DHS ANALYTICAL REPORTS

3

An Analysis of Sample Designs and Sampling Errors of the Demographic and Health Surveys

DHS

DEMOGRAPHIC AND HEALTH SURVEYS

The Demographic and Health Surveys (DHS) is a 13-year project to assist government and private agencies in developing countries to conduct national sample surveys on population and maternal and child health. Funded primarily by the U.S. Agency for International Development (USAID), DHS is administered by Macro International Inc. in Calverton, Maryland.

The main objectives of the DHS program are (1) to promote widespread dissemination and utilization of DHS data among policymakers, (2) to expand the international population and health database, (3) to advance survey methodology, and (4) to develop in participating countries the skills and resources necessary to conduct high-quality demographic and health surveys.

For information about the Demographic and Health Surveys program, write to DHS, Macro International Inc., 11785 Beltsville Drive, Suite 300, Calverton, MD 20705, U.S.A. (Telephone 301-572-0200; Telefax 301-572-0999).

Demographic and Health Surveys
Analytical Reports No. 3

An Analysis of Sample Designs and Sampling Errors of the Demographic and Health Surveys

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Preface

One of the most significant contributions of the DHS program is the creation of an internationally comparable body of data on the demographic and health characteristics of populations in developing countries. The *DHS Analytical Reports* series and the *DHS Comparative Studies* series examine these data across countries in a comparative framework, focusing on specific topics.

The overall objectives of DHS comparative research are: to describe similarities and differences between countries and regions, to highlight subgroups with specific needs, to provide information for policy formulation at the international level, and to examine individual country results in an international context. While *Comparative Studies* are primarily descriptive, *Analytical Reports* utilize a more analytical approach.

The comparative analysis of DHS data is carried out primarily by staff at the DHS headquarters in Calverton, Maryland. The topics covered are selected by staff in conjunction with the DHS Scientific Advisory Committee and USAID.

The *Analytical Reports* series is comprised of in-depth, focused studies on a variety of substantive topics. The studies employ a range of methodologies, including multivariate statistical techniques, and are based on a variable number of data sets depending on the topic under study.

It is anticipated that the *Analytical Reports* will enhance the understanding of significant issues in the fields of international population and health for analysts and policymakers.

Martin Vaessen
Project Director

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Foreword

I am grateful for the authors' invitation to preface this rich compendium. I consider this work to hold the "championship" for sampling errors and design effects in survey samples. It will hold the championship for years, though not forever. The previous titles were held by Verma, Scott, and O'Muircheartaigh (1980) and by Kĭsh, Groves, and Krotki (1976). I award these titles by personal judgement, based on the richness and variety of the data, not merely on the basis of the number of computations. Here we have the same 37 variables from each of 48 surveys from almost that many countries. From some countries we have replicated surveys separated by years and sometimes by different designs. The countries come from three continents, and vary greatly in socioeconomic development, in fertility knowledge, attitude, and practice, in the structure of the sample design, and in other ways. In many countries urban and rural results contrast sharply. All these factors increase the richness of the results and their value for broad-based inferences.

Even more relevant is the richness of the variety of the 37 variables, which are shown to differ greatly among the eight classes of variables designated by the authors. These range from medical care and contraceptive knowledge, with deft values near 2.0 and rohs of 0.15 to 0.20, to current fertility and infant mortality, with defts of only 1.1 to 1.25 and rohs of 0.01 to 0.02. The authors show how defts and rohs are better bases for comparisons, both among countries and among variables, than standard errors (or coefficients of variation).

Three classes of readers, at least, will benefit from this volume. First, there are the analysts of each country's surveys, who want to interpret their own data and make inferences from them. They will be in the enviable position of choosing for each variable either its own (directly computed) standard error, or basing the inference on the more stable average design effects from 48 surveys. Second, there will be many demographers who can learn a great deal from this worldwide treasure trove. Third, we survey samplers have here the best handbook of defts and rohs for designing other samples. "We badly need a handbook of sampling errors," has often been said, and this volume will be a big component. Somebody could add to it (with much effort) a multinational compendium of labor force surveys, though those would not be as rich in variety as what we see here.

The chief virtue of these data, beyond their variety, is that due to their broad base both in countries and in variables, the results have so much stability and credibility. This is in glaring contrast to the instability of most sampling errors from single surveys, where the structures of sampling errors are hidden by the fog of their own sampling errors.

Of course, some readers may feel that this volume concentrates overly on sampling errors for the overall means, including some subclasses, and neglects sampling errors for other, more analytical statistics. But this is already a complex, difficult venture. The needs of class one and class two readers above are mostly satisfied. And the sampling statisticians can depend on some good conjecture for more complex statistics that can be based on the defts for overall means (Kish, 1965).

Sample surveys of entire nations have become common all over the world during the past half century. These national surveys lead naturally to multinational comparisons. But the deliberate *design* of valid and efficient multinational surveys is new and on the increase. New survey methods have become widespread and international financial and technical support has created effective demand for multinational designs for valid international comparisons. The improved technical bases in national statistical offices and research institutes have become capable of implementing the complex task of coordinated research. However, to be valid, multinational surveys have to be based on probability sample designs of comparable national populations, and the measurements (responses) should be well controlled for comparability.

Cost and feasibility pose formidable obstacles and dilemmas, and obtaining participation from some nations may involve severe compromises. Fulfilling all these aims has been difficult, and practically impossible without international financial backing—hence true multinational designs have emerged only since the mid-sixties. Perhaps the earliest examples are the Time Use Surveys of 1965-66, involving 12 highly coordinated national surveys, but based on probability samples only from chosen "typical" cities. Other major initiatives include the population censuses supported by the United Nations; the labor force surveys, standardized chiefly through the promotion of common standards

by the International Labor Organization; and, by example, harmonized surveys on household budget, labor force, income and living conditions within the European Union. The World Fertility Survey program was the true major pioneer of national household surveys, with a strong technical staff of survey experts directed by M.G. Kendall. By paying most costs and by diplomacy, the program could impose coordinated module questionnaires and probability sampling, with measurability of sampling errors in developing countries of Asia, Africa and the Americas.

The Demographic and Health Surveys (DHS) is the worthy successor to the WFS, with already 80 controlled and valuable surveys conducted in 53 developing countries. Like the WFS, these surveys are based on probability sampling with measurability of sampling errors. This report documents the basic features of the sample designs used in 48 of these national surveys and presents a detailed analysis of sampling errors for diverse variables. A summary of these results has also been published in the 1995 Bulletin of the International Statistical Institute and in the International Statistical Review (1996).

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Executive Summary

The standardized Demographic and Health Surveys (DHS) provide a unique opportunity for comparative analysis of sample designs and sampling errors across many countries. The first part of this report describes the general features of the sample designs of 48 nationally representative household surveys conducted under the DHS program. The DHS surveys conform to a relatively standard model although all aspects of a specific survey are adapted to the needs and conditions of a particular country. Variation between DHS surveys is perhaps greatest in the area of sample design which is dictated by practical considerations such as the availability of a sampling frame and the size of the area units in the frame. Nevertheless, all DHS samples are designed using scientific probability sampling. Most samples depart from self-weighting in order to fulfill the need for domain estimates, particular for small urban sectors and small regions. Most samples use two-stage stratified designs: selection of area units in a single stage, normally with probability proportional to size, followed by listing and selection of households to yield around 30 female respondents per area unit. Typically, the surveys are based on a large number of area units; the average number of area units is about 300. Stratification of the area frame is usually explicit in terms of type of area (urban-rural) and location (region). Within each explicit stratum, the area units are arranged geographically and selected systematically.

In the second part of the report, sampling errors and design effects from the same 48 surveys are analyzed for the total sample, and for urban-rural domains, sub-national regions and various demographic and socioeconomic subclasses. A large number of identically defined survey estimates is considered in the analysis: 37 in total, covering fertility, family planning, fertility intentions, and child health and child mortality. The effect of sample weights on sampling errors, and of clustering of children in a sample of women is also examined. Modeling of design effect for geographic domains, for subclasses, and for differences between subclasses is offered.

The pattern of variation of design effects is consistent across countries and variables, with individual values by country and variable well predicted by a multiplicative model separating the country and variable effects. At the country level, overall design effect averaged over all variables and countries is around 1.5. Variation among surveys is high, but less so than among variables. Urban-rural and regional differentials in design effects are small, and can be attributed to the fact that similar sample designs and cluster sizes were used across those domains within each country. Within a country, regional design effects relate in a simple way to total sample design effects, uniformly across diverse variables. The effect of clustering of children in a sample of women, who are the actual respondents in the surveys, can be isolated: design effects are increased by 20 to 25 percent for variables such as the proportion of births during which the mother received tetanus or medical attention, and by 10 percent for infant mortality estimates based on aggregation of births over a certain period. For most other child health variables, immunization and anthropometric measurements, the increase is small or negligible. There is practically no effect of clustering of children in the estimation of fertility rates. The effect of arbitrary sample weights, which arise commonly in practice due to disproportionate sample size allocation among sampling domains, persists uniformly across diverse variables and subclasses, and can be isolated.

Part A - Sample Designs

1 Introduction

The Demographic and Health Surveys (DHS) program conducts nationally representative household surveys in developing countries in Africa, Asia and South America. The surveys typically cover between 4,000 and 15,000 households. Fifty-four surveys have been conducted during the first two phases of the program: 32 during the first five-year phase (DHS-I, 1984-1989) and 22 during its second five-year phase (DHS-II, 1988-1993). During the third five-year phase, the program is expected to conduct at least 30 national-level surveys (DHS-III, 1992-1997).

The DHS program is primarily funded by the U.S. Agency for International Development. Technical support for the surveys is provided by a central staff located at Macro International Inc., in Calverton, Maryland. The surveys are carried out in a relatively standardized manner. Standardization is achieved through the technical support provided by DHS staff and through the use of model questionnaires, manuals and field procedures.

This section of the report presents the main features of the samples for 48 surveys completed during the first two phases of the DHS program. First, the operational procedures of the DHS surveys are presented. Second, the sampling strategy is presented together with the sample results of the 48 surveys.

2 Survey Procedures

The DHS surveys are designed and implemented as single-round operations. There are at least two distinct survey instruments in all DHS surveys: a household schedule and an individual woman's questionnaire. The primary objective of the household schedule is to provide a list of household members and information on age, sex, residency status and marital status, which are used for selecting women eligible for the individual questionnaire. Any adult household member can be the respondent for the household schedule, which typically requires 10-15 minutes of interviewing time. An individual questionnaire is administered to all women of reproductive age in the household—usually taken to be women age 15-49. Female respondents are asked about their background characteristics, reproductive history, knowledge and use of contraception, fertility preferences and a series of questions on the health of each child under age five. Interviewing time is about one hour per woman but can vary greatly depending on the number of births and the number of children under age five that a woman has. In selected surveys, a male or husband questionnaire is also administered, but only to a subsample of households.

The surveys enjoy the support of the host governments, and the host-country implementing agency is typically the national statistics office, a government ministry or the national family planning organization. Thus, highly skilled and experienced host-country staff are involved, and a national sampling frame is available from the national census or statistical offices. The external funding for the surveys provides financial support for the sampling process, i.e., updating of an area sampling frame, selection of sample points, listing of households and calculating sample weights and sampling errors.

Typically, in DHS surveys, there is a six-month preparatory period preceding data collection. The sampling activities conducted during this period include sample design, selection of sample areas, listing of households and selection of households. Then the data collection begins and usually continues for a period of three to four months. In all DHS surveys, a team approach is used for data collection. Each field team consists of four to six interviewers, a field editor and a team supervisor. Typically, a vehicle and driver are assigned to each team. As female investigators tend to establish greater rapport with the female respondents, interviewers are almost exclusively females. It is also usual for field editors to be females, so that interviews in progress can be unobtrusively observed. Team supervisors are usually males. Field editing of completed interviews is done each day so that, if necessary, a return household visit can be made while the team is at the sample point.

3 Sample Characteristics

DHS samples follow a number of general principles. They are all national in scope and are based on probability sampling. They cover the de facto population and have, as main respondents, women of childbearing age. In countries where it is not culturally acceptable to ask unmarried women about topics such as contraceptive use, eligibility is restricted to ever-married women. In a limited number of surveys, where the sampling frame covered a de jure population, the DHS sample was de jure.

Of the 48 DHS surveys completed from 1985 to 1993, all 12 surveys in Asia/Near East/North Africa covered ever-married women, while all surveys in sub-Saharan Africa and Latin America covered all women irrespective of their marital status. Twenty-eight surveys have complete coverage of the population. In the remaining 20 surveys, certain areas were excluded due to inaccessibility or dispersed population. However, coverage falls below 95 percent in only five surveys and below 90 in three surveys: Uganda (80 percent), Sri Lanka (86 percent) and El Salvador (80 percent). In all three cases, the exclusion was due to security.

3.1 TARGET SAMPLE SIZE AND REPORTING DOMAINS

In terms of female respondents, DHS target sample sizes vary from country to country. Practical considerations such as time and budgetary constraints aside, DHS samples are designed to provide sufficient cases for the estimation of key demographic rates at the national level and for major reporting domains with an acceptable level of sampling error as well as for meaningful data cross-tabulation. The DHS program, designed for samples of approximately 4,000 to 6,000 women, allows tabulation of key variables for up to six major reporting domains. Producing estimates for different domains with the same level of precision requires similar sample sizes across domains. Results of two earlier survey programs of the DHS type, the World Fertility Survey (WFS) and the Contraceptive Prevalence Surveys (CPS), indicate that a sample of 1,000 women per domain is adequate for most variables.

In DHS surveys, the two main reporting domains are urban and rural areas, which provide data substantiating marked differentials in many statistics of interest to the survey (contraceptive knowledge and use, levels of fertility and mortality). In a majority of surveys, other reporting domains correspond to geographic or administrative regions, which usually coincide with the units used for the purpose of planning national development and the implementation of national health programs. Larger samples are allowed in countries where the need for regional estimates is more pressing. And as time has passed, the pressure for regional estimates in developing countries has increased, so that DHS sample sizes have gradually increased, from an average sample size of 6,200 women in DHS-I to 7,700 women in DHS-II. The largest DHS sample under study covered 23,000 female respondents in the second Indonesia survey and had an objective of providing estimates for 27 provinces throughout the country.

3.2 SAMPLE ALLOCATION AND SAMPLING DOMAINS

Sampling efficiency for national-level estimates and simplicity favor the use of self-weighting samples. Self-weighting samples are possible for these surveys as long as the sample size for reporting domains satisfies a minimum number. Nevertheless, many DHS samples deviate from the self-weighting model for two reasons: (1) the urban population is quite small in many of the DHS countries; and (2) regional reporting domains typically differ greatly in size. In the first case, the urban domain can be oversampled. In the second case, the sample size can be redistributed so as to obtain roughly equal sample sizes for each domain. Weights are then introduced to compensate for this disproportionate sample allocation, but only at the domain level; within the sampling domains, the sample remains self-weighting. Thus, the sampling domain is a domain within which the sampling rate is constant.

Of the 48 DHS surveys under consideration, 13 are completely self-weighting. In 31 surveys, weights were used to compensate for disproportionate sample allocation at the domain level; in one-third of these, the urban area had to be oversampled; in the other two-thirds, small domains (such as regions or districts) were oversampled. In the remaining four surveys (Northeast Brazil, Mexico, Nigeria and Tanzania), it was decided a posteriori to select a fixed number of households in each sample area when the results of the household listing showed two things: that (1) the sample areas varied greatly in size; and (2) the target sample might not be achieved. In these cases, weights were applied at the level of the sample areas.

The number of ultimate area units (UAUs) to be selected for each domain depends on the number of women to be interviewed per UAU. In DHS surveys, the average cluster size is about 30 women per UAU. This figure is considered optimum in terms of sampling efficiency and cost considerations, based on analytical studies carried out by the WFS. However, in urban areas, a smaller cluster size is usually the rule because the cost advantage of a larger "take" is less than in rural areas.

3.3 AREA SAMPLING FRAME

In practice, the availability of a suitable sampling frame is a major determinant of the feasibility of conducting a DHS survey, and that issue is addressed in the earliest planning for a survey. Whenever possible, the DHS program prefers to obtain an area sampling frame from a single source. Most often, this is either an existing sample (e.g., an existing master sample or the sample of a previously executed survey) or the list of enumeration areas (EAs) from the recently completed census. If an existing sample is available and is well documented, with measures of size and sketch maps of area units, DHS subsamples from that sample. Use of an existing frame has the advantage of allowing comparative analysis of DHS results with another survey using the same frame. Census EAs can be used as a frame provided that the EAs are small enough to serve as UAUs, and maps showing boundaries and relevant characteristics of the EAs are available.

In cases where a nationally representative sampling frame could not be obtained from a single source, DHS has constructed special frames using a patchwork of existing frames. On occasion, when it was possible to assemble and to update lists of administrative units in a reasonable time period and at reasonable cost, these have been used. In total, DHS has developed special frames for seven surveys, and these surveys have presented some of the more interesting and challenging designs. In another four surveys, special frames were developed for at least one domain. Of the remaining surveys, census EA frames were used in 17 surveys, and master samples or pre-existing samples of ongoing or recently completed surveys were used in the other 20.

3.4 SAMPLE STRUCTURE

In general, DHS samples are selected in two stages. The primary sampling units (PSUs) are selected from an area frame. A household-listing operation follows in the selected PSUs, then the required number of households is selected from this household frame. However, there are cases where an intermediate area stage is necessary to further cluster the ultimate area sampling units (thus reducing travel cost) or to reduce the size of the ultimate area units (thus lessening workload).

In almost two-thirds of the DHS surveys, the samples are two-staged. In the remaining surveys, nine have two stages in the urban areas and more than two stages in the rural areas (usually two area stages and one third stage for selecting households). Another nine surveys have multi-area stages throughout.

3.5 STRATIFICATION AND AREA SELECTION

Stratification is the process by which the survey population is divided into subgroups or strata that are as homogeneous as possible based on certain criteria. "Explicit stratification" is the actual sorting and separating of the area units into the specified strata. Stratification of the area frame in DHS is mostly explicit, with the variables used being type of area (urban or rural) and location (geographic or administrative). Within each stratum, the area units are usually ordered according to location, thus achieving the effect of further stratification. The latter is termed "implicit stratification." Occasionally, size groups are used for implicit stratification within the explicit stratum, especially if the frame is a list of administrative units (such as villages that vary widely in size) instead of the census EAs, which are more homogeneous in size. In the context of the Demographic and Health Surveys, it would be desirable to stratify by more directly relevant characteristics, such as level of female literacy or presence of health and family planning facilities in the areas. However, typically such data are not available for the complete frame.

The average number of UAUs selected differs by region: 220 in sub-Saharan Africa, 334 in Asia/Near East/North Africa, and 453 in Latin America. The larger number of UAUs in Asia/Near East/North Africa, compared with sub-Saharan Africa, was due to the larger sample sizes allocated to surveys in the former region. The average sample size in Asia/Near East/North Africa is 8,900, compared with 5,500 in sub-Saharan Africa and 6,900 in Latin America. In Latin America, where the average number of UAUs is the largest, very small segments were generally used as UAUs in the urban areas.

3.6 MAPPING AND HOUSEHOLD LISTING

It is the policy of the DHS program to conduct a mapping and household-listing operation in all selected sample areas two or three months prior to data collection. DHS almost never used the census household lists because these are usually out of date. The mapping and household-listing operation is costly and time-consuming; however, it is thought to be worthwhile, considering the relatively complete and updated household lists that a well-supervised operation can provide. Breaking large sample areas into more manageable segments and then selecting one segment for coverage is sometimes done in the field prior to the listing of the households. The experience of DHS is that it is a rather difficult operation, requiring substantial supervision.

A mapping and household-listing operation was implemented in all but eight DHS surveys. In these eight surveys, DHS used existing lists of households. These were recent lists that were completed for the surveys from which DHS subsampled. In one case, the lists were of households from the census that was recently completed.

3.7 HOUSEHOLD SELECTION

Once the household-listing operation is completed, the household lists are sent to the central survey office for household selection. The centralization of household selection has an advantage in that the completeness of the listing operation can be assessed by experienced survey staff. Discrepancies between the expected number and the listed number of households can be evaluated, and problem areas can be revisited. In cases in which it is not feasible to centralize household selection (especially when regional listers are employed and travel is difficult), supervisors are trained to do all the work in the field instead of leaving the household-selection task to the listers. Table A.1 in Appendix A summarizes the sample characteristics for the surveys, grouped by regions of the world.

4 Sample Results

This section presents some statistics on coverage and response rates for the 48 DHS surveys.

4.1 COVERAGE EVALUATION

Coverage is assessed in terms of the percent difference between the target and achieved samples of individual female respondents. Table 4.1 shows the distribution of surveys by degree of over- or undercoverage. For the 48 surveys considered, undercoverage occurred in two-thirds of the surveys; this undercoverage was 10 percent or greater in almost one-third of the surveys. However, it is worth noting that undercoverage was particularly a problem in DHS-I (22 out of 28 surveys) and less evident in DHS-II (eight out of 20 surveys).

Table 4.1 Distribution of surveys by the difference between achieved and targeted number of women, Demographic and Health Surveys I and II

Extent of over- or undercoverage	Region	Number of surveys		
		DHS-I	DHS-II	Total
Over		6	12	18
By less than 10 percent	Sub-Saharan Africa	0	6	6
	Asia/Near East/North Africa	1	0	1
	Latin America/Caribbean	2	1	3
By 10 percent or more	Sub-Saharan Africa	3	1	4
	Asia/Near East/North Africa	0	1	1
	Latin America/Caribbean	0	3	3
Under		22	8	30
By less than 10 percent	Sub-Saharan Africa	4	2	6
	Asia/Near East/North Africa	1	3	4
	Latin America/Caribbean	5	1	6
By 10 percent or more	Sub-Saharan Africa	5	1	6
	Asia/Near East/North Africa	4	1	5
	Latin America/Caribbean	3	0	3

In the absence of data from independent surveys that would help in measuring coverage, DHS-I is inclined to attribute undercoverage to (1) sample implementation errors, especially errors in the mapping and household-listing operation, and (2) motivated omission of eligible women by the interviewers, for example by pushing them out of the age limits. Other problems that should not be disregarded are inaccuracy of parameters used for sample design, such as the number of eligible women per household, and the assumed nonresponse rate.

Table 4.2 shows the difference between the target and the achieved sample sizes for the 14 worst cases with undercoverage of 10 percent or more: 12 of these cases are DHS-I surveys and two are DHS-II surveys. Thus, both the incidence and the degree of undercoverage were less in DHS-II than in DHS-I.

Learning from the experience of DHS-I, several measures were taken during DHS-II to minimize the undercoverage problem. First, more intensive training and supervision were devoted to the mapping and household listing. Second, the procedure for selecting eligible women was changed for the surveys in the later part of DHS-II; specifically, the interviewers were instructed to interview all women between the ages of 15 and 49, regardless of whether they slept in the household the night before the interviewer's visit (in DHS-I and the earlier DHS-II surveys, only women who slept the night before the visit were eligible for interview). By requiring the interviewing of all women, the incentive for misrecording residency status during the night prior to the survey was eliminated. However, the de facto character of the surveys was maintained at the data-analysis stage.

Table 4.2 Surveys with sample shortfalls of 10 percent or more, Demographic and Health Surveys I and II

Region and country	Number of women		Percent difference
	Expected	Achieved	
DHS-I			
Sub-Saharan Africa			
Burundi	5,000	3,970	21
Liberia	6,000	5,239	13
Mali	3,600	3,200	11
Senegal	5,000	4,415	12
Togo	4,000	3,360	16
Asia/Near East/North Africa			
Egypt	10,000	8,911	11
Morocco	7,000	5,982	15
Sri Lanka	6,750	5,865	13
Tunisia	5,000	4,184	16
Latin America/Caribbean			
Brazil	7,400	5,892	20
Ecuador	5,400	4,713	13
Guatemala	5,900	5,160	13
DHS-II			
Sub-Saharan Africa			
Nigeria	10,000	8,781	12
Asia/Near East/North Africa			
Pakistan	8,000	6,611	17

Table 4.3 presents statistics on the difference between the percentage of de jure women age 15-49 who were reported as sleeping away the night before the survey and visiting women who were reported as sleeping in the household. Leaving aside the population residing in hotels or other institutions, the two figures should be about equal. But they are not. Women sleeping away always exceeds visitors sleeping in the household. We have called the difference between these numbers the estimated net exclusion of respondents due to misrecording of residency status (IRD, 1990). The change in the interviewing rules described above was initiated to remove the incentive for misclassifying respondents by residency status.

Table 4.3 Estimated net exclusion of eligible women due to misrecording of sleeping-away status under old and new procedures, Demographic and Health Surveys I and II

Procedure	Negligible (Less than 2.5 percent)	Low (2.5-4.9 percent)	Moderate (5.0-7.4 percent)	High (Greater than 7.5 percent)
Old	Tanzania 2 Zimbabwe 1	Cameroon 2 Rwanda 2 Togo 1	Burundi 1 Nigeria 2 Senegal 1 Mali	Botswana 1 Ghana 1 Liberia 1
	Jordan 2 Tunisia 1	Morocco 1 Sri Lanka 1 Thailand 1		Pakistan 2
	Colombia 1 Dominican Republic 1 Dominican Republic 2 Paraguay 2	Mexico 1 Trinidad and Tobago 1		
New	Namibia 2 Niger 2 Zambia 2		Madagascar 2	
	Morocco 2			
	Northeast Brazil 2 Peru 2			

Note: Number following country name indicates DHS-I or DHS-II survey.

Table 4.3 shows the estimated net exclusion of respondents for 31 surveys, classified by whether the old or the new rule for interviewing women was applied. The distribution of surveys by degree of net exclusion is decidedly different in the two sets of surveys. Net exclusion was 5 percent or higher in eight of the 24 surveys (33 percent) that used the old interviewing rules, while it was 5 percent or higher in only one of the seven surveys (14 percent) using the new interviewing rules. Even in the surveys of DHS-II, where the new procedure was not used, there is evidence that the net exclusion has decreased; this can be accounted for by the fact that, after the problem of exclusion was detected in DHS-I, more emphasis was given to training and supervision of the interviewers in all DHS-II surveys.

4.2 RESPONSE RATES

In general, response rates are quite high in DHS surveys, although they are somewhat higher for surveys in sub-Saharan Africa and Asia/Near East/North Africa than for surveys in Latin America. Table 4.4 summarizes statistics on the overall response rate (the product of the household and the woman's response rates) for the 48 surveys. The majority of surveys in sub-Saharan Africa and Asia/Near East/North Africa have a response rate of 90 percent or higher, while in Latin America, the majority of surveys have a response rate of less than 90 percent. Comparing DHS-I and DHS-II surveys, response rates are slightly higher in DHS-I, with 91 percent, compared with 90 percent in DHS-II. The overall mean response rate is about 91 percent for the 48 surveys.

Table 4.4 Distribution of surveys by overall response rates, Demographic and Health Surveys I and II

Region	Overall percent response rate	Number of surveys		
		DHS-I	DHS-II	Total
Sub-Saharan Africa	90 or higher	10	8	18
	80 - 89	2	2	4
	69 - 79	0	0	0
Asia/Near East/North Africa	90 or higher	6	4	10
	80 - 89	0	1	1
	69 - 79	0	0	0
Latin America/Caribbean	90 or higher	4	2	6
	80 - 89	4	2	6
	69 - 79	2	1	3
Mean overall response rate	-	90.9	90.4	90.7

Table A.2 in Appendix A presents the sampling results for each of the 48 surveys.

Part B - Sampling Errors

1 Introduction

In Part B of this report, sampling errors and design effects from 48 nationally representative surveys conducted under DHS for a large number of variables concerning fertility, family planning, fertility intentions, child health and child mortality are analyzed for the total sample and for urban-rural domains, subnational regions and various demographic and socioeconomic subclasses. The standardized DHS surveys provide a unique opportunity for comparative analysis of sampling errors across many countries and designs. Indeed, this cross-country comparability provides an opportunity for extensive meta-analysis of sampling errors for an identically defined set of statistics across many surveys, based around a fairly standardized design.

1.1 OBJECTIVES AND SCOPE OF THE STUDY

The numerous estimates produced in such large-scale surveys demand some basic requirements in relation to the computation, analysis and presentation of sampling errors:

Limiting the volume of computations to be performed. First, we must choose for sampling error computation a limited number from the thousands of statistics that may be produced in a survey, such as from detailed cross-tabulations of the data.

Summarizing the results from detailed computations. Even when sampling errors for a large number of estimates can be computed, it is not possible to present them all in survey reports.

Smoothing to reduce random variability in results of individual computations. Furthermore, the results of individual computations can themselves be subject to large variability, and it is actually preferable for analysis and use to aggregate and smooth those results in an appropriate manner. (In the present study, however, results of individual computations tend to be fairly stable because of the large numbers of PSUs present in most of the samples considered.)

Extrapolating statistics for which sampling error computations cannot be performed. Ideally the user of survey results should be able to obtain at least approximate values of the standard error for all estimates derived (or that may be derived later) from the survey. The extrapolations required may be across different sample bases (domains and subclasses), across different variables and types of statistics and across different surveys.

Use for sample design and evaluation. Apart from indicating the reliability of existing survey estimates, an equally important objective of sampling error information is to evaluate how a particular design has performed and to provide data for the design of future surveys. For this purpose, raw data on sampling errors are not so useful directly. Rather, it is necessary to explore how the pattern of sampling errors is related to various features of the sample structure.

The various requirements are closely related because all are served by an exploration of the patterns of variation of sampling errors for diverse statistics, computed over different domains and subclasses of the population. It is the objective of this study to make a contribution to such analysis and understanding.

Presented in this report is a selection from perhaps the largest-ever set of comparable information on sampling errors. Though the DHS program covers several different types of surveys, the analysis of sampling errors and design effects in this report is confined to the main survey of women in the reproductive ages, covering most of the important survey variables. The study goes considerably further than the pioneering comparative analyses of sampling errors for the World Fertility Survey (Kish et al., 1976; Verma et al., 1980).

An earlier version summarizing the results of this study was presented at the 50th Session of the International Statistical Institute in Beijing, China (Verma and Lê, 1995), and an updated version is published in the *International Statistical Review* (Verma and Lê, 1996). For comprehensive descriptions of practical procedures for computing and analyzing sampling errors in household surveys, see Verma (1982, 1993).

1.2 MAIN FINDINGS

The DHS surveys are based on stratified multistage samples, which often also depart from self-weighting. These complexities are introduced for reasons to do with practicality and cost-efficiency of the designs, control over fieldwork and other sources of nonsampling errors, reporting requirements of disproportionate allocation, etc. An important aspect of evaluating the design is to compare its statistical efficiency (precision) with what would have been obtained in a (hypothetical and usually quite impractical) simple random sample (SRS) of the same size. The basic measure of the relative efficiency of the sample is the design effect, deft, defined as the ratio, for a given statistic, of the standard error under the actual design, to the standard error that would be obtained with an SRS of the same size. The primary focus of this study is an examination of patterns of variation of the design effect across diverse variables, countries and population subclasses.

We examine the pattern of variation of design effects in detail and find it to be consistent across countries and variables, with individual values by country and variable well predicted by a multiplicative model separating the country and variable effects (section 3). At the country level, overall design effect (the ratio of actual to simple random sampling standard error) averaged over all variables and countries is around 1.5. Variation among countries is high, but less so than among variables. Furthermore, the patterns are similar for urban and rural domains, though there are some interesting differences depending on the type of variable. Overall, urban-rural and regional differentials in design effects are small and can be attributed to the fact that similar sample designs and cluster sizes were used across those domains within each country. Within a country, regional defts relate in a simple way to total sample defts, uniformly across diverse variables (section 7). The effect on defts of the clustering of children in a sample of women, who are the actual respondents in the surveys, is isolated (section 4). Fertility and infant mortality rates are more complex measures than ordinary ratios and require special treatment. Their sampling errors are studied and related to those for simpler measures, such as the mean number of children ever born (section 5).

We also examine the effect of sample weights in some detail. An important finding is the confirmation that the effect of arbitrary sample weights (which arise commonly in practice due to disproportionate sample size allocation among sampling domains) persists uniformly across diverse variables and subclasses and can be isolated (section 6).

Another useful measure is the intracluster correlation roh, which is defined so as to remove from deft the effect of cluster size, i.e., the average number of ultimate units per PSU in the sample. For this reason the measure is, in principle, more suitable for comparing designs with different cluster sizes and also for relating sampling errors of estimates over subpopulations (subclasses) to those over the total population (sample). The pattern of roh values across variables and designs is discussed in section 8. An important area requiring further research concerns relating the observed variation in defts and roh values across the surveys to specific characteristics of the survey populations and the sampling designs used.

As to the modeling of design effect for subclasses that are defined in terms of individual characteristics, we have found the relationship of subclass to total sample design effects to be consistent across countries and variables. For subclasses, the function ($deft^2_s$ - 1) of the design effect declines with decreasing subclass size (M_s) but less than proportionately, depending primarily on how well the subclass is distributed across the sample clusters. Design effects for subclass differences also appear to fit well into this model. Design effects tend toward 1.0 for small subclasses and differences, apart from the effect of sample weights, which tends to persist undiminished across variables and subclasses (section 9).

Finally, section 10 provides values of the coefficient of variation in the population for variables involved in the estimation of mean values (as distinct from simple proportions), such as the mean age at marriage or the mean number of children ever born. With this information, standard error of the mean under simple random sampling can be estimated in terms of sample size, and that for the actual sample by multiplying that with the appropriate value of deft.

1.3 COMPUTATIONAL PROCEDURES

Most computations presented here were done using the program CLUSTERS (Verma and Pearce, 1986), using the standard procedure based on Taylor linearization. In outline, the procedure is as follows:

For a combined ratio $r = y/x$ of two sample totals y and x

$$var(r) = (se)^2 = \sum_h \left(\frac{a_h}{a_h - 1} \left(\sum_i z_{hi}^2 - \frac{z_h^2}{a_h} \right) \right),$$

where a_h is the number of primary selections from stratum h, $z_{hi} = (y_{hi} - r.x_{hi})/x$ and $z_h = \Sigma z_{hi}$ summing over i, with $y_{hi} = \Sigma w_{hij}.\ y_{hij}$ and $x_{hi} = \Sigma w_{hij}.x_{hij}$, here summing over j, being appropriately weighted estimates of the totals for PSU i in stratum h. The finite population correction, usually trivial, is ignored. The remarkable and convenient feature of the above expression is that complexities of the selection procedure within the PSUs do not appear explicitly. The basic assumptions are that each stratum contains at least two primary selections, selected independently and with replacement, and the sample size is sufficiently large for the approximation to be valid. Generally, DHS sample areas were selected systematically. Adjacent units were paired in the order of selection to define implicit strata for the purpose of computation.

Though the bulk of sampling error computations, involving estimates of proportions, means, other ratios and differences, have been performed using the above procedure as implemented in CLUSTERS, the jackknife repeated replication (JRR) procedure has been used for a few statistics more complex than ordinary ratios, such as total fertility and infant mortality rates.

The basic JRR procedure is to form replications from the full sample by randomly eliminating one sample PSU from a particular stratum at a time, and appropriately reweighting the retained PSUs in the stratum concerned to compensate for the eliminated unit. Thus, with a_h sample PSUs in stratum h, a_h replications are formed by eliminating one of these units in turn and increasing the weight of the remaining $(a_h - 1)$ units in the stratum by the factor $a_h/(a_h - 1)$. The process is repeated for each stratum in turn, giving a total of $a = \Sigma a_h$ replications. The variability between estimates from the replications provides an estimate of sampling variance of the statistic concerned:

$$var(r) = \sum_h \left(\frac{a_h}{(a_h - 1)} \sum_i (y_{(hi)} - y_{(h)})^2 \right),$$

where y is estimated over the total sample of the statistic of interest (which in principle can be of any complexity), $y_{(hi)}$ is its estimate over replication (hi) formed by eliminating PSU (hi) and appropriately reweighting the contribution of the remaining PSUs in stratum h, and $y_{(h)} = \Sigma y_{(hi)}/a_h$ is the average of these replicated estimates over the stratum.

1.4 DESIGN EFFECT

As noted above, an important aspect of evaluating the design is to compare its statistical efficiency (precision) with what would have been obtained in a (hypothetical and usually quite impractical) SRS of the same size.

The variance of an equivalent SRS is estimated as

$$var_{SRS}(r) = (sr)^2 = \frac{s^2}{n},$$

where

$$s^2 = \frac{n}{n-1} \cdot \frac{\Sigma w_{hij} \cdot z_{hij}^2}{\Sigma w_{hij}}; \; z_{hij} = \frac{1}{\bar{x}} \cdot (y_{hij} - r.x_{hij}); \; \bar{x} = \frac{\Sigma w_{hij} \cdot x_{hij}}{\Sigma w_{hij}},$$

and n is the sample size, and the summations are taken over all elements in the sample. This result is also remarkable in that in complex and large samples, it provides a close approximation to the variance under hypothetical simple random sampling from results actually obtained from a complex sample.

As a measure of the loss in sampling precision due to departure from simple random sampling, deft is the ratio of the estimated standard error (*se*) corresponding to the actual sample, to the estimated standard error (*sr*) for an SRS of the same size:

$$deft = \frac{se}{sr}.$$

It is a summary measure of the overall effect of the structure of the sample on the magnitude of the sampling error.

Some authors prefer to work with the ratio of the actual to SRS variances ($deft^2$), but it should be noted that throughout this report, we refer to the ratio of standard errors (*deft*). Unfortunately, the term "design effect" has been used in the literature to refer both to $deft^2$ and deft; we have normally used it in the latter sense in this report. In an earlier study (Verma et al., 1982), a clearer terminology was promoted: "design effect" for $deft^2$, and "design factor" for deft. But this does not seem to have caught on.

1.5 DETAILED AND SUMMARY TABLES

Appendix B contains a large volume of detailed results on design effects and other measures of sampling error. Even so, these are only a selection from the computations performed for this study. Estimates for diverse statistics (total sample, urban and rural domains, geographical regions, and various subclasses and subclass differences) are provided by individual country and variable. These form the raw material for our analysis of patterns of variation of sampling errors.[1]

The following sections of this report contain summary figures extracted from the detailed tables with the objective of highlighting important aspects of the results. Commonly, the summaries involve the averaging of defts and other measures over variables and countries and sometimes also over subnational domains and subclasses. Only by appropriate averaging can the patterns be seen more clearly. However, we often supplement the information on averages by a summary measure of their variation, namely the coefficient of variation (*cv*) across the population of countries, variables, etc., around the average value ($\bar{d}$):

$$cv(d_i) = \frac{1}{\bar{d}} \cdot \left(\frac{\Sigma (d_i - \bar{d})^2}{c} \right)^{1/2},$$

where d_i is the value of measures such as deft for country i averaged over the variables (or variable i averaged over the countries), and the sum is over c countries (or variables).

[1] This material may be used for further and alternative research. To facilitate such use, the authors will provide the detailed results in computer-readable form on request.

2 Estimate, Standard Error, and Sample Size

The results presented in Tables B.1.1.1-B.1.3.6 in Appendix B are based on a large number of computations of sampling errors and cover all 48 surveys, with up to 37 variables in each. The detailed results have been computed separately by urban and rural domain, amounting to nearly 2,500 separate estimates. For a subset of variables, computations have also been performed for geographical regions within each country and over a number of subclasses and subclass comparisons defined in terms of demographic and other characteristics of the respondents, the results of which are discussed in later sections of this report.

For each variable by country, the tables show: (1) the value of the estimate; (2) its standard error, computed by taking into account the structure of the sample; and (3) the sample size. The sample size is in terms of the number of eligible women interviewed for variables related to women, and in terms of the number of children for variables with child as the unit of analysis (see below). The corresponding sample sizes in terms of the number of households interviewed are similar and generally somewhat higher than the number of interviewed women, as shown in Table A.2. A majority of the households contain exactly one woman eligible for the main DHS survey.

Three types of statistics are involved:

- *Mean per woman,* such as the mean age at marriage, number of children born, number of children desired.
- *Proportion of women,* such as the proportion knowing or using particular methods of contraception, or wanting to stop or delay childbearing. A majority of the variables of interest in the survey are of this type.
- *Proportion of children,* such as the proportion dying within their first year of life, the proportion of births receiving medical attention, the proportion of children suffering from diarrhea and receiving treatment, having a health card, receiving immunization or subject to malnutrition according to various measures.

For the first type of estimates, we seek not only design effect, but also information on coefficients of variance in the population (section 10).

For the second type of estimates, the relevant sample size is the number of women to which the particular variable applies. Design effect is computed by comparing the standard error from the actual design with that from an equivalent SRS of women.

For the third type, the appropriate point of comparison is an SRS of children, and this has been done in the deft values presented below. For these variables, it is of interest to separate out the design effect due to clustering of children of the same mothers, which occurs in addition to the usual design effect resulting from the clustering of the mothers in the sample areas (section 4).

A fourth type of statistic, demographic rates, such as total fertility and infant mortality rates, is discussed later (section 5). These variables are more complex than ordinary ratios and require special procedures for variance estimation. For fertility rates, the denominator is the number of woman-years of exposure to childbearing, and the numerator is the number of births occurring during the period of exposure; the base is the sample of women. For the infant mortality rate as conventionally defined, the numerator is the number of infant deaths before the first birthday within a specified time period, and the denominator is the number of births occurring within the same period.

For the total sample or major urban-rural domains, the actual values of the standard error shown in Tables B.1.1.1-B.1.3.6 are generally small and of little interest in themselves. However, they provide a useful reference to which sampling errors for smaller domains and subclasses can be related. The tables also show how the relevant sample sizes (and by implication the cluster sizes) vary in the same sample from one variable to another, depending on the population for which the variable concerned is defined.

Even though not all variables are available in each country, the standardized DHS surveys provide a truly unique opportunity for comparative analysis of sampling errors across diverse countries and designs. Within the standard set, no figures have been shown for roughly 10 percent of the cells. These include (1) cases that are not applicable, i.e., where a variable has not been included in the survey; (2) cases where the value of the estimate is such that it is not meaningful or useful to compute sampling errors, e.g., a proportion near 0 or 1; and (3) cases where the sample size is too small to give useful results or where some further clarification is needed on the data.

Table 2.1 summarizes some basic sample design information by country on the basis of the details provided in Part A of this study. It shows the achieved sample size, the effective number of PSUs in the sample and their ratio, i.e., the average number of women per sample PSU (henceforth referred to as the cluster size, b-bar in the table).[2] The effective number of PSUs refers to the number that contained at least one completed interview; in some cases it fell short of the number originally selected according to the design in that no completed interview could be obtained in some of the areas. The last rows in Table 2.1 provide a summary measure (cv) of the variation of statistics such as sample size, number of PSUs, average cluster size and deft across countries and across variables. It can be seen, for instance, that cluster sizes are more uniform across DHS-II surveys than in DHS-I, though the difference is small, especially in the urban sector. By contrast, DHS-II involves a wider range of variation in sample sizes and numbers of PSUs across the surveys. Such measures of variation have been routinely included in other summary tables as well to supplement the information provided on the averaged values.

Table 2.2 lists the variables used and the population to which each applies. Most of the variables in the first group (mean per woman) apply to the whole sample. For a majority of the surveys, this includes all women in the childbearing ages. However, the surveys in Asia, the Near East and North Africa (accounting for approximately one-fourth of the surveys covered in this study) were generally confined to ever-married women. The second group of variables (proportion of women) applies for the most part to currently married women in all surveys. In the third group (proportion of children), different subpopulations of children are involved, depending on the variable concerned. Consequently, even for the same survey, the effective sample sizes for different variables are not the same. In Appendix B, the last columns of Tables B.13.1-B.13.3 show the proportion of sample cases to which each variable applies, averaged over the 48 surveys. The numerator in this proportion is the number of women (for variables with the woman as the analysis unit) or the number of children (for child-related variables) to which the statistic applies. The denominator is the total sample size in terms of the number of women interviewed, ever-married or all women in the childbearing ages, depending on the eligibility criteria used in the survey. (Tables 2.1 and 2.2 also provide averaged deft values by country and variable. These are discussed in the next section.)

[2] See Table A.2 for the corresponding number of households. The number of households is generally higher, although one-to-one correspondence between households and women is common.

Table 2.1 Structure of the sample and design effects averaged over all variables, Demographic and Health Surveys I and II

Region and country	Urban		Rural		Total		Effective number of PSUs	Achieved number of women
	b-bar	Deft	b-bar	Deft	b-bar	Deft		
DHS-I								
Sub-Saharan Africa								
Botswana	28.9	1.28	27.8	1.32	28.4	1.46	154	4,368
Burundi	14.5	0.98	33.3	1.39	27.6	1.41	144	3,970
Ghana	21.5	1.14	37.7	1.60	29.9	1.49	150	4,488
Kenya	19.6	1.30	15.2	1.65	16.2	1.62	442	7,150
Liberia	33.1	1.41	33.9	1.73	33.6	1.58	156	5,239
Mali	22.1	1.23	21.3	1.35	21.6	1.40	148	3,200
Nigeria (Ondo)	44.3	1.70	48.7	1.56	46.8	1.60	90	4,213
Senegal	34.5	1.23	31.1	1.37	32.5	1.34	136	4,415
Sudan (North)	14.4	1.31	23.1	1.45	18.7	1.38	314	5,860
Togo	18.2	1.31	25.1	1.48	22.1	1.43	152	3,360
Uganda	19.5	1.25	24.0	1.32	23.0	1.33	206	4,730
Zimbabwe	26.4	1.57	24.8	1.28	25.3	1.35	166	4,201
Asia/Near East/North Africa								
Egypt	40.1	1.65	38.8	1.50	39.4	1.72	226	8,911
Indonesia	28.8	2.08	30.3	2.04	29.7	2.06	400	11,884
Morocco	19.6	1.46	45.7	1.87	28.2	1.62	212	5,982
Sri Lanka	17.4	1.18	22.9	1.27	21.7	1.23	270	5,865
Thailand	25.2	1.16	22.7	1.54	23.5	1.64	288	6,775
Tunisia	23.4	1.63	34.5	1.46	26.8	1.51	156	4,184
Latin America/Caribbean								
Bolivia	10.5	1.31	15.0	1.46	11.7	1.40	676	7,923
Brazil	17.4	1.34	16.3	1.40	17.1	1.40	344	5,892
Colombia	28.9	1.47	32.8	1.45	29.6	1.50	180	5,331
Dominican Republic	12.4	1.34	13.0	1.31	12.7	1.33	604	7,649
Ecuador	23.3	1.24	26.0	1.51	24.3	1.41	194	4,713
El Salvador	37.2	1.26	50.9	1.16	59.2	1.44	88	5,207
Guatemala	17.2	1.63	25.5	1.45	21.3	1.45	242	5,160
Mexico	21.4	1.89	35.3	1.68	24.9	1.85	374	9,310
Peru	13.6	1.14	131.5	1.22	35.2	1.21	142	4,999
Trinidad and Tobago	19.2	1.12	23.6	1.10	21.4	1.13	178	3,806
Average	23.3	1.38	32.5	1.46	26.9	1.47	244	5,671
cv	0.36	0.18	0.65	0.14	0.36	0.13	0.58	0.34
DHS-II								
Sub-Saharan Africa								
Burkina Faso	25.9	1.23	30.6	1.48	28.4	1.55	224	6,354
Cameroon	28.8	2.05	25.5	1.39	27.3	1.54	142	3,871
Madagascar	27.8	1.15	30.6	1.41	29.5	1.44	212	6,260
Namibia	37.8	1.36	32.1	1.31	33.9	1.36	160	5,421
Niger	26.4	1.28	30.2	1.59	28.5	1.59	228	6,503
Nigeria	27.2	1.60	32.0	2.04	29.9	2.07	294	8,781
Rwanda	24.1	1.07	38.0	1.36	34.5	1.40	190	6,551
Senegal	20.3	1.13	30.1	1.49	25.0	1.32	252	6,310
Tanzania	20.0	1.66	29.1	1.50	26.7	1.61	346	9,238
Zambia	23.0	1.15	34.9	1.38	28.0	1.29	252	7,060
Asia/Near East/North Africa								
Egypt	20.5	1.42	25.0	1.42	22.6	1.49	436	9,864
Indonesia	19.4	1.63	19.7	1.83	19.6	1.78	1,170	22,909
Jordan	19.6	1.26	17.1	1.41	18.8	1.30	344	6,461
Morocco	34.5	1.29	69.2	1.77	46.3	1.57	122	5,639
Pakistan	15.8	1.56	18.3	1.46	17.0	1.57	390	6,611
Latin America/Caribbean								
Northeast Brazil	19.3	1.39	14.7	1.64	17.6	1.64	354	6,222
Colombia	41.1	1.53	25.0	1.50	36.6	1.67	236	8,644
Dominican Republic	20.9	1.43	15.8	1.78	18.9	1.59	388	7,320
Paraguay	22.0	1.23	22.9	1.28	22.4	1.25	260	5,827
Peru	17.6	1.18	17.8	1.36	17.7	1.24	898	15,882
Average	24.6	1.38	27.9	1.52	26.5	1.51	345	8,086
cv	0.27	0.17	0.41	0.13	0.28	0.13	0.72	0.51
DHS I+II								
Average	23.8	1.38	30.6	1.49	26.7	1.49	286	6,677
cv	0.32	0.17	0.59	0.14	0.33	0.13	0.70	0.49

Note: PSU is primary sampling unit.

Table 2.2 Variables, their population base, and defts averaged over all 48 countries, Demographic and Health Surveys I and II

Variable	Description	Population base	Deft		
			Urban	Rural	Total
Mean per woman					
Age at marriage	Mean age at first marriage	Women aged 20-49	1.47	1.44	1.50
Children ever born	Number of children ever-born	All women[1]	1.34	1.29	1.35
Children born to 40-49	Number of children ever-born to older women	Women aged 40-49	1.23	1.21	1.26
Births in last 5 years	Number of births during the last 5 years	All women	1.46	1.37	1.44
Ideal family size	Ideal number of children desired	All women	1.55	1.66	1.71
Births 1-4 years	Children born 1-4 years ago	All women	1.37	1.31	1.38
Births 5-9 years	Children born 5-9 years ago	All women	1.25	1.25	1.29
Children 0-4 years	Living children under age 5	All women	1.41	1.36	1.41
Children 1-2 years	Living children under 12-23 months	All women	1.19	1.10	1.17
Children weighed	Children with height and weight measured	All women	1.33	1.31	1.34
Proportion of women					
Illiterate	Illiterate	All women	1.74	1.90	1.91
Married	Currently married	All women	1.40	1.37	1.43
Know a method	Knowing any method of contraception	Currently married women	1.70	1.89	2.01
Know a modern method	Knowing any modern method of contraception	Currently married women	1.75	1.96	2.08
Know source for method	Knowing a source of contraceptive supply	Currently married women	1.72	1.86	1.94
Ever used a method	Ever-used contraception	Currently married women	1.57	1.74	1.74
Using any method	Currently using any method	Currently married women	1.37	1.56	1.50
Using modern method	Currently using a modern method	Currently married women	1.32	1.56	1.43
Using pill	Currently using the pill	Currently married women	1.24	1.50	1.41
Using IUD	Currently using IUD	Currently married women	1.28	1.48	1.42
Using condom	Currently using condom	Currently married women	1.21	1.71	1.38
Sterilized	Woman sterilized	Currently married women	1.22	1.44	1.36
Using public source	Using a public source of supply	Currently married women	1.28	1.41	1.36
Want no more children	Wanting no more children	Currently married women	1.24	1.30	1.32
Want to delay next birth	Wanting to delay the next child for 2 or more years	Currently married women	1.15	1.25	1.24
Proportion of children					
Dead	Children ever-born who have died	All births to all women	1.60	1.71	1.76
IMR 1-4 years	IMR 1-4 years preceding the survey	Children born 1-4 years ago	1.12	1.22	1.23
IMR 5-9 years	IMR 5-9 years preceding the survey	Children born 5-9 years ago	1.17	1.16	1.14
Mother received tetanus	Whether mother received tetanus toxoid	All births during last 5 years	1.65	2.07	2.02
Medically delivered	Whether mother received medical care at delivery	All births during last 5 years	2.21	2.52	2.54
Had diarrhea	Whether had diarrhea (last 2 weeks)	Children under age 5	1.31	1.34	1.34
Given ORS	ORS treatment received for diarrhea	Children < 5 having diarrhea	1.22	1.23	1.25
Have health card	Whether child has health card	Children aged 12-23 months	1.14	1.36	1.33
Immunized	Whether child is fully immunized	Of above, with health cards	1.18	1.36	1.31
Weight for height	Weight for height less than 2 SD below the norm	Children aged 6-35 months	1.09	1.19	1.19
Height for age	Height for age less than 2 SD below the norm	Children aged 6-35 months	1.31	1.31	1.33
Weight for age	Weight for age less than 2 SD below the norm	Children aged 6-35 months	1.22	1.30	1.29
Averaged deft over all variables and countries					
Mean	-	-	1.38	1.49	1.49
cv[2]	-	-	0.17	0.20	0.20

Note: IUD is intrauterine device. IMR is infant mortality rate. ORS is oral rehydration salts. SD is standard deviation.
[1] In approximately one-fourth of the surveys (from Asia/Near East/North Africa), the sample, and hence this and all preceding variables, is restricted to ever-married women.
[2] Coefficient of variation across variables, of defts averaged over countries for each variable.

3 Pattern of Design Effects

For exactly the same set of countries and variables as in Tables B.1.1.1-B.1.3.6, and separately by urban and rural domains, Tables B.2.1-B.2.3 present a comprehensive set of design effects covering nearly 2,500 separate estimates. For each country and domain, the sample size n (number of women interviewed), the number of sample PSUs (containing at least one completed interview) and their ratio (the average cluster size) are shown. (The row giving D_w, the effect of sample weights, is discussed in section 6.)

The average cluster size, $\bar{b}^*$, is the number of women per PSU in the whole sample. This applies to variables that are defined for all cases in the sample. The relevant number for individual variables will vary depending on the proportion of the sample cases for which the variable is defined. For instance, the variables on contraceptive knowledge and use have been defined only for currently married women, not all women in the sample. For any variable v, for a given country or domain, the appropriate cluster size, $\bar{b}_v$, can be obtained by multiplying $\bar{b}$ for the whole sample given in Tables B.2.1-B.2.3, by the ratio of the sample size n_v, in Tables B.1.1.1-B.1.3.6 for the variable to the total sample size n for the country or domain (in the first row of Table B.2.1-B.2.3): $\bar{b}_v = \bar{b}.(n_v/n)$. (The values of the ratio $(\bar{b}_v/\bar{b})$, averaged over countries, are given in the last columns of Tables B.13.1-B.13.3.) It should be noted that for variables concerning proportion of children, $\bar{b}_v$ is the average number of children per sample PSU to which the particular variable applies; for variables concerning means and proportions of women, it is the average number of relevant women per PSU.

Similarly, in relation to the deft values presented, for variables concerning proportion of children, the denominator is the standard in an SRS of children of the same size. In variables concerning means and proportions of women, the reference is to an SRS of women.

3.1 IMPUTATION FOR DEFTS NOT INCLUDED IN THE COMPUTATION

It is both necessary and useful to somehow summarize this vast number of design effects so as to be able to identify patterns of variation in the results. To start with, we may examine the marginal distributions of defts by variable averaged over countries and by country averaged over variables. However, for such a purpose, it must be taken into account that, for reasons noted in the previous section, not all of the 37 variables were available or computed for all the 48 countries. Because the defts vary both by variable and by country, computing the marginal distribution on either with missing cells would give a misleading impression of the variation. Therefore, the missing defts (amounting to about 17 percent of the total) in cells of the country-by-variable matrix were first imputed based on the observed marginal distributions for cases with available information. First, the variables were arranged in decreasing order of the number of countries for which deft values had been computed. Let c be the number of countries with defts for all of the 37 variables available, v a variable for which deft is not available in the $(c + 1)^{th}$ country in the ordered list, d_v the deft value for v averaged over countries, and $d_{(v)}$ the deft value averaged over countries and over all variables other than v. On the assumption of stability in the pattern of deft values, the missing deft value for variable v in country $(c + 1)$ was imputed as:

$$\frac{d_v}{d_{(v)}}\Big|_{country\ =\ c+1} = \frac{d_v}{d_{(v)}}\Big|_{country\ \le\ 1} .$$

At the next step, the same procedure was applied to country $(c + 2)$, using the originally computed and imputed values averaged over the preceding $(c + 1)$ countries. At any step, v may refer to a set of more than one variable with missing deft value, in which case the above procedure is applied to each variable in the set in turn. Detailed results after imputation are given in Tables B.3.1-B.3.3. The tables also show (1) for each variable, the number of countries out of 48 for which computed defts were available; (2) for each country, the number of variables out of 37 for which computed defts were available; and (3) the comparison of the deft values averaged over the original set of variables and countries and the full set after imputation. The two sets of values are for the most part very close.

3.2 ORDERING OF COUNTRIES AND VARIABLES BY DEFT

It is helpful in the study of patterns of variation of deft values to order countries and variables according to those values. In Table B.3.1, countries have been ordered according to decreasing deft values averaged over all variables. Similarly, variables have been ordered according to decreasing deft values averaged over all countries. It is possible to follow the same procedure for urban and rural domains separately (Tables B.3.2-B.3.3), but for easier reference, we have retained the same ordering as that for the total sample, i.e., in terms of the total sample defts rather than of values averaged within the domain concerned. In any case, the latter are practically identical to the total sample ranking for the rural domain and close to that for the urban domain.

In studying the variation of defts across variables, it is desirable to classify variables into groups with similar levels and patterns. The identification of patterns (portability) across groups is more useful in practice than across individual variables because, although the precise definition of individual variables is often specific to a particular survey, different surveys can be similar in terms of the groups of variables (the common topics) covered.

Such grouping should take into account similarity both in the substantive nature of the variables concerned and in their deft values. An illustration is provided by the grouping in Table 3.1.

However, in ranking or grouping variables according to deft values it is important to note that those values are affected by differences in cluster sizes not only across surveys, but also across different types of variables within the same survey, depending on the proportion of the population to which a variable applies. It may be more appropriate, therefore, to rank or group the variables on the basis of intracluster correlation or roh values (section 8), which remove the effect of cluster size from defts. We investigated such alternative ranking using the following simplified approach, which approximates ranking according to roh values. The variables were rearranged according to a modified deft, defined as

$$deft_m^2 = \frac{deft^2 - 1}{m} + 1 ,$$

where m is the average cluster size for the variable concerned, relative to the overall average over all variables. (Numerically, the last column of Table B.13.1 for the variable concerned, divided by its overall average value, for instance 0.754 for the total sample, provides m averaged over countries.) The main effect of such reordering turned out to be on variables concerning children. For many of those variables, the effective cluster size (in terms of the number of relevant children) is much smaller than that size in terms of number of women, and therefore these variables move higher up in the modified ordering, reflecting their higher level of intracluster homogeneity.

3.3 PATTERNS BY VARIABLE AND COUNTRY

Table 3.1 identifies the pattern in particular urban-rural differentials more clearly by arranging variables in meaningful groups. The main conclusions are as follows:

- For the total sample (country level), the overall deft averaged over all variables and countries is around 1.50, meaning that, due to clustering and other aspects of the design, variance is increased by a factor of $deft^2 = 2.25$ over that in an equivalent SRS.

Table 3.1 Patterns of defts by variable averaged over countries, Demographic and Health Surveys I and II

Deft rank	Variable	Total sample		Urban deft individual variable	Rural deft individual variable	Urban/rural	
		Deft individual variable	Deft group average			Deft ratio	Deft ratio group average
	Birth attendance		2.28				0.84
1	Medically delivered (C)	2.54	-	2.21	2.52	0.88	-
3	Mother received tetanus (C)	2.02	-	1.65	2.07	0.80	-
	Contraceptive knowledge		2.01				0.91
2	Know a modern method	2.08	-	1.75	1.96	0.89	-
4	Know a method	2.01	-	1.70	1.89	0.90	-
5	Know source for method	1.94	-	1.72	1.86	0.92	-
	Background or "life-time" variables		1.78				0.92
6	Illiterate	1.91	-	1.74	1.90	0.92	-
7	Dead (C)	1.76	-	1.60	1.71	0.94	-
8	Ever used a method	1.74	-	1.57	1.74	0.90	-
9	Ideal family size	1.71	-	1.55	1.66	0.93	-
10	Age at marriage	1.50	-	1.47	1.44	1.02	-
	Current use of contraception		1.41				0.84
11	Using any method	1.50	-	1.37	1.56	0.88	-
14	Using modern method	1.43	-	1.32	1.56	0.85	-
15	Using IUD	1.42	-	1.28	1.48	0.86	-
17	Using pill	1.41	-	1.24	1.50	0.83	-
18	Using condom	1.38	-	1.21	1.71	0.71	-
20	Using public source	1.36	-	1.28	1.41	0.91	-
21	Sterilized	1.36	-	1.22	1.44	0.85	-
	Current or recent fertility		1.34				1.04
12	Births in last 5 years	1.44	-	1.46	1.37	1.07	-
13	Currently married	1.43	-	1.40	1.37	1.02	-
16	Children 0-4 years	1.41	-	1.41	1.36	1.04	-
19	Births 1-4 years	1.38	-	1.37	1.31	1.05	-
22	Children ever born	1.35	-	1.34	1.29	1.04	-
24	Children weighed	1.34	-	1.33	1.31	1.02	-
29	Births 5-9 years	1.29	-	1.25	1.25	1.00	-
31	Children born to 40-49	1.26	-	1.23	1.21	1.02	-
36	Children 1-2 years	1.17	-	1.19	1.10	1.08	-
	Child health care		1.30				0.90
25	Have health card (C)	1.33	-	1.14	1.36	0.84	-
28	Immunized (C)	1.31	-	1.18	1.36	0.87	-
32	Given ORS (C)	1.25	-	1.22	1.23	0.99	-
	Child health		1.29				0.96
23	Diarrhea (C)	1.34	-	1.31	1.34	0.98	-
26	Height for age (C)	1.33	-	1.31	1.31	1.00	-
30	Weight for age (C)	1.29	-	1.22	1.30	0.94	-
35	Weight for height (C)	1.19	-	1.09	1.19	0.92	-
	Current fertility intentions		1.28				0.94
27	Want no more children	1.32	-	1.24	1.30	0.95	-
33	Want to delay next birth	1.24	-	1.15	1.25	0.92	-
	Infant mortality		1.19				0.96
34	IMR 1-4 years (C)	1.23	-	1.12	1.22	0.92	-
37	IMR 5-9 years (C)	1.14	-	1.17	1.16	1.01	-
	Mean over all variables	1.49	-	1.38	1.49	0.93	-
	Coefficient of variation	0.21	-	0.17	0.20	0.09	-

Note: IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. C indicates variable with child as the unit of analysis.

- The variability in deft values across variables is striking (see Table 3.1). Averaged over countries, the coefficient of variation of deft values across variables is 20 percent. The total sample defts according to variable groups range from (1) a high of 2.0-2.3 for variables concerning medical attendance at birth and contraceptive knowledge, to (2) 1.5-1.9 for background and "life-time" variables, such as literacy, experience of child deaths, desired family size and ever-use of contraception, to (3) around 1.4 for current use of contraceptive methods, to (4) around 1.3 for the groups concerning fertility, fertility intentions and child health, and to (5) a low of 1.2 for variables concerning infant mortality.

- As to the variation across countries, there is a considerable variation around the overall mean of deft = 1.5, but the range of variation is notably smaller than that across variables (cv = 13 percent, compared with 20 percent for the latter). The deft value (averaged over all variables available) exceeds 1.75 in four of the 48 surveys and falls below 1.25 also in four surveys. In the broad middle range, the surveys are very similar in the overall design effects encountered: In two-thirds of the surveys, the averaged deft lies in the relatively narrow range of 1.35-1.65. This is related to the high degree of standardization of DHS sampling procedures and designs. (By comparison, surveys in the World Fertility Survey program generally exhibited greater variation; see Verma et al., 1980.)

- Combining the effect of the variation in deft values across countries and variables, the range encountered is naturally wider—varying from 3.0 or over for some more clustered variables in surveys with large average defts, down to practically 1.0 for many of the variables in some surveys. This is a huge range of variation—almost 1:10 in deft[2].

- Detailed results by individual country and variable (not presented here) indicate a high degree of stability in the patterns of variation of defts across surveys for different variables and across variables for different surveys.

3.4 PATTERNS FOR URBAN AND RURAL DOMAINS

Averaged over all variables, there is only a small difference in the urban and rural defts, the urban defts being somewhat smaller than rural defts (1.4 versus 1.5). This is not surprising in view of the fact that similar sample designs and cluster sizes were used in the two types of areas in most surveys. On average, cluster sizes are smaller in urban areas compared with rural areas (24 versus 30 women per PSU).

Although the pattern of variation across variables and countries is similar when urban and rural domains are considered separately, the urban domains, apart from a slightly lower average, show somewhat larger variation. This is because the urban samples are generally based on fewer clusters than the rural samples. A more careful investigation of the results indicates some systematic urban-rural differences by type of variable, as shown in Table 3.1.

For variables relating to birth attendance and current use of contraception, rural defts tend to be considerably higher than urban defts. This is because in rural areas, individuals' behavior on these variables tends to be more dependent on the availability of facilities and services; people living in the same rural area are more homogeneous (larger defts). By contrast, urban populations tend to have greater access to facilities in areas other than where they live; their behavior is more dependent on personal characteristics and less on area of residence (hence smaller defts). By contrast, fertility-related variables indicate larger defts in urban areas, appreciably larger than the overall urban-rural deft ratio of 0.93. This may have something to do with the greater geographical segregation of the different socioeconomic groups in urban areas. For all other groups of variables, the urban-rural deft ratio is found to be close to the overall average of 0.93.

Sampling errors and design effects for other geographical domains (regions) and for demographic and socioeconomic subclasses are examined in later sections. As can be seen in section 7, the conclusions concerning defts for regions are similar to those for urban-rural domains, when compared with defts for the total (national) sample. Within each country, defts are very similar across different regions (on the average only marginally smaller than the corresponding total country defts), reflecting the use of essentially the same design across all regions of the country. The results, again, are less stable for individual regions compared with those for the full national samples, being based in each region on only a proportion of the total sample PSUs.

By contrast, deft values are quite different for population subclasses defined in terms of demographic and socioeconomic characteristics of individual respondents. These subclasses tend to cut across sample clusters, and consequently the relevant cluster sizes and hence the subclass design effects tend to be smaller (often appreciably smaller) than the above figures (section 9).

3.5 MODELING DESIGN EFFECTS

Given the large number of estimates involved in the full variable-by-country matrix, an important question is the extent to which these estimates can be summarized without significant loss of information. Furthermore, individual computations of sampling errors are themselves subject to unsystematic errors. Hence, it is also desirable to appropriately smooth the individual results so as to identify the underlying patterns of variation more clearly. We used the following multiplicative model to fit the pattern of variation of defts across variables and countries, assuming independence of the two effects.

If d_{ij} is the computed design effect for variable i in country j, and $d_{i.}$ and $d_{.j}$ are the marginal averages and $d_{..}$ the overall average, then a log-linear model implies the estimation of cell values in the form

$$\hat{d}_{ij} = \frac{d_{i.} \cdot d_{.j}}{d_{..}} ,$$

that is,

$$\ln\left(\frac{\hat{d}_{ij}}{d_{..}}\right) = \ln\left(\frac{d_{i.}}{d_{..}}\right) + \ln\left(\frac{d_{.j}}{d_{..}}\right) .$$

Of course, other options could be considered, such as fitting a model in terms of averaged intracluster correlation, roh, rather than defts. Note that

$$roh = \frac{deft^2 - 1}{\bar{b} - 1} .$$

Using this two-factor without-replication model, ANOVA for defts by variable and country (for the total sample and for urban domains) is presented in Table 3.2. For the total sample, 70 percent of the variation is explained by the two controls in our model: around 50 percent by variable but only 20 percent by country. The results are similar for the rural domain separately. The explained variation is somewhat lower (around 65 percent) for the urban domain, but the more noteworthy feature is the nearly equal share of country and variable.

It is also of interest to know what proportion of the variance in deft values is explained when we consider substantive groups of variables as defined above, rather than individual variables. Controlling for country and variable group explains 65 percent of the variance of total sample defts, the unexplained variance increasing by only 5 percent when groups rather than individual variables are considered. This is an encouraging result and gives us confidence in the substantive meaningfulness of the variable groups as defined.

It should be mentioned that due to the imputation for missing defts in the country-by-variable matrix, the share of the explained variation in the above mentioned ANOVA is overestimated, but only slightly, by 5-7 percent. In any case, the fit is remarkably good, given that no averaging over variables or domains has been employed.

Tables B.4.1-B.4.3 show deft values modeled in the above way by variable and country, separately for the total sample and urban and rural domains. Countries and variables are ordered according to decreasing averaged deft values, as in the previous table. In addition, the reasonable constraint has been imposed that deft ≥ 1.0, which affects only a few cells from two countries in the lower righthand corner of the table. A vast majority of the deft values are in the range of 1.2-1.8; values outside this range (printed in bold in the table) lie within the extremes of 1.0-3.5.

Table 3.2 Analysis of variation of deft: log linear model with all variables, including imputed values, Demographic and Health Surveys I and II

Item	Sum of squares	Percent sum of squares	Degrees of freedom	Mean squares
Total[1]				
Variables	10.5	0.48	36	0.291
Countries	4.6	0.21	47	0.099
Error	6.6	0.30	1,692	0.004
Total	21.7	1.00	1,775	
Urban[1]				
Variables	6.9	0.30	36	0.191
Countries	7.7	0.34	47	0.165
Error	8.4	0.36	1,692	0.005
Total	23.0	1.00	1,775	
Total[2]				
Variable groups	9.4	0.44	8	0.291
Countries	4.6	0.21	47	0.099
Error	7.6	0.35	1,720	0.004
Total	21.7	1.00	1,775	

[1] By country and variable
[2] By country and variable group

We consider the modeled values in Tables B.4.1-B.4.3 to be the best and most comprehensive representation of defts for the DHS surveys and the variables analyzed, preferable to the results from individual computations. We feel that the individually computed deft values can be smoothed, even improved, when replaced by the estimates defined above.

4 Effect of Clustering of Children in a Sample of Women

In the set of variables included, 12 variables refer to the child as the unit of analysis. For these variables, we can compute the denominator of the design effect as the standard error (1) corresponding to an SRS of women, or (2) corresponding to an SRS of children.

In the first case, the concerned statistic is computed as a true ratio of the (appropriately weighted) aggregates of two variables defined with a woman as the unit—the denominator being her number of children in a particular category, and the numerator being the number among them who have the required characteristic. In the second case, exactly the same statistic is computed as a simple proportion, with a child as the unit. The results for the actual variance are identical. However, the equivalent SRS error (the denominator of the design effect) is different in the two cases. In the first case it is computed for the true ratio, with a woman as the unit. In the second case, it is given simply by the binomial formula $\sqrt{pq/n}$, where n is the number of sample children, p is the proportion among them who have the required characteristic, and $q = 1 - p$. The ratio of the two SRS errors gives the factor f, by which the design effect in the actual sample would be inflated, if defined with reference to an SRS of children, rather than to an SRS of mothers. This factor represents the increase in deft due to the clustering of children of the same mother:

$$f = \frac{se(actual)/se(SRS_{child})}{se(actual)/se(SRS_{woman})} = \frac{se(SRS_{woman})}{se(SRS_{child})} .$$

In many previous studies of sampling errors, this additional source of variance has been ignored. (In the defts presented above in section 3, this effect has been included, i.e., defts for variables relating to children are computed with standard error in an equivalent SRS of children as the denominator.)

Detailed results are presented in Tables B.5.1-B.5.6 over 48 surveys for the 12 child-based variables (where available), for the total sample and separately for urban and rural domains in each case. Table 4.1 below summarizes the main results. The figures presented are averaged over countries, separately for DHS-I and DHS-II and by urban and rural domains. To indicate the variation across countries, cvs of the deft ratios in the population of countries are also shown. These cvs vary from 1 to 10 percent with an average of 5 percent, indicating a highly stable pattern across countries.

Averaged over countries, the deft values are increased by 20-25 percent (i.e., variance by 40-60 percent) for variables such as the proportion of children ever born who died and the proportion of births during which the mother received tetanus or medical attention. As can be seen in section 3, these variables also have large overall defts. For infant mortality estimates based on aggregation of births over 4-5 years, the increase in deft is on the order of 10 percent (i.e., 20 percent in variance). For most of the other child health variables, such as immunization and anthropometric measurements, the increase is small or negligible. This is because these variables apply to children in a narrow age range, and in most cases there is at most one such child per mother in the sample. The pattern is practically identical in urban and rural areas, the clustering effects being marginally weaker in urban areas, perhaps reflecting the smaller family sizes.

Similar effects are investigated in section 5 for fertility and mortality rates. It can be seen that there is practically no effect on defts of the clustering of children in the estimation of fertility rates, but there is a more significant effect for infant mortality rates.

Table 4.1 Clustering of children of the same mother: ratio of defts with SRS of children as the denominator to defts with SRS of women as the denominator and mean value and its coefficient of variation across countries, Demographic and Health Surveys I and II

Survey and variable	Urban		Rural		Total	
	Mean	cv	Mean	cv	Mean	cv
DHS-I						
Dead	1.19	0.11	1.22	0.08	1.21	0.08
Medically delivered	1.19	0.08	1.21	0.07	1.23	0.08
Mother received tetanus	1.16	0.06	1.20	0.07	1.19	0.06
IMR 1-4 years	1.05	0.05	1.07	0.06	1.08	0.06
Given ORS	1.05	0.03	1.07	0.04	1.06	0.05
IMR 5-9 years	1.09	0.07	1.10	0.06	1.09	0.08
Had diarrhea	1.06	0.04	1.05	0.04	1.04	0.05
Height for age	1.05	0.04	1.03	0.04	1.04	0.04
Weight for age	1.03	0.04	1.03	0.04	1.03	0.05
Have health card	1.01	0.01	1.01	0.02	1.01	0.02
Immunized	1.01	0.02	1.01	0.01	1.01	0.01
Weight for height	0.99	0.08	1.03	0.09	1.00	0.07
Average DHS-I	1.07	0.05	1.09	0.05	1.08	0.05
DHS-II						
Dead	1.24	0.07	1.23	0.06	1.30	0.09
Medically delivered	1.22	0.07	1.25	0.06	1.24	0.06
Mother received tetanus	1.16	0.08	1.21	0.09	1.19	0.08
IMR 1-4 years	1.05	0.06	1.07	0.06	1.05	0.09
Given ORS	1.03	0.05	1.06	0.05	1.04	0.05
IMR 5-9 years	1.00	0.03	1.03	0.04	1.01	0.06
Had diarrhea	1.05	0.04	1.05	0.04	1.05	0.07
Height for age[1]	-	-	-	-	-	
Weight for age[1]	-	-	-	-	-	
Have health card	1.01	0.03	1.01	0.02	1.01	0.02
Immunized	1.01	0.02	1.01	0.02	1.01	0.02
Weight for height[1]	-	-	-	-	-	
Average DHS-II	1.08	0.05	1.10	0.05	1.10	0.06
DHS-I + DHS-II						
Dead	1.21	0.09	1.22	0.07	1.26	0.09
Medically delivered	1.21	0.07	1.23	0.07	1.23	0.07
Mother received tetanus	1.16	0.07	1.20	0.08	1.19	0.07
IMR 1-4 years	1.05	0.06	1.07	0.06	1.06	0.08
Given ORS	1.04	0.04	1.07	0.05	1.05	0.05
IMR 5-9 years	1.05	0.05	1.06	0.05	1.05	0.07
Had diarrhea	1.06	0.04	1.05	0.04	1.04	0.06
Height for age	0.52	0.02	0.52	0.02	0.52	0.02
Weight for age	0.52	0.02	0.52	0.02	0.52	0.02
Have health card	1.01	0.02	1.01	0.02	1.01	0.02
Immunized	1.01	0.02	1.01	0.02	1.01	0.02
Weight for height	0.49	0.04	0.52	0.04	0.50	0.04
Average DHS-I+DHS-II	1.08	0.05	1.09	0.05	1.09	0.06

Note: SRS is simple random sample. IMR is infant mortality rate. ORS is oral rehydration salts.
[1] The calculation of sampling errors for DHS-II surveys was done before recode data for DHS-II were available; hence the data for anthropometric data were not included for DHS-II surveys in this study.

4.1 NOTES ON COMPUTATIONS

The following notes may be useful for analysts using CLUSTERS for the computation of sampling errors.

In computing design effects, the program automatically takes as the denominator the standard error corresponding to an SRS of units (cases) by which the data file has been organized: women in a file with a woman as the case or unit, children in a file of children (or births) as the units. In the program output, the sample size is given in terms of the number of units as defined above. In the version of the program modified by DHS, the sample size as printed for a ratio has been amended to give the aggregated value of the denominator of the ratio, rather than the number of cases on which the ratio is based. That is, in place of sample size n as in the original version, the modified version gives $n.\Sigma w_j x_j / \Sigma w_j$ for a ratio $\Sigma w_j y_j / \Sigma w_j x_j$. For variables concerning children, this amounts to showing the relevant number of children (rather than women) as the sample size. This latter convention has been followed in Tables B.1.1.1-B.1.3.6 and elsewhere in this report. The original version sample size can be converted to this basis by multiplying it by the average number of children (in the appropriate category) per sample woman.

In either version, however, defts for child variables are still defined in relation to an SRS of women if the data file has been organized with a woman as the unit or case. The simplest way to compute design effects in relation to an SRS of children is to use a data file organized with the child as the unit. Alternatively, if the data file is organized with woman as the unit, the denominator of the design effects for proportion p of children in a sample of n children can be recomputed using the simple binomial formula $\sqrt{pq/n}$, and the deft values adjusted accordingly. The adjustment is in fact the effect of clustering of children of the same mother in a sample of women, and this is how it has been computed in the present study.

5 Design Effects for Demographic Rates

The computation of age-specific fertility rates and infant mortality rates is one of the important objectives of the DHS surveys. In this section the pattern of their design effects is investigated.

5.1 FERTILITY RATES

An age-specific fertility rate (ASFR) is defined as the ratio:

$$ASFR_i = \frac{l_i}{e_i} ,$$

where e_i is the number of woman-years of exposure at a particular age group i during a specified time interval, and l_i is the number of live births to the women exposed to childbearing at the specified age and time interval. The ages are typically specified in five-year groups, e.g., 15-19, 20-24, . . . 45-49. The time intervals of interest are normally measured in years preceding the interview. In most DHS surveys, the sample sizes are large enough only for reporting ASFRs averaged over the five-year, or at least three-year, period preceding the survey. The main complication in the estimation of these rates and their sampling errors arises only from the complexity in the computation of e_i and l_i from the data available in the form of the respondent's current age and dates of birth of her children.

The general fertility rate (GFR) specific to a time interval is the ratio of the total number of live births to the total woman-years of exposure:

$$GFR = \frac{\Sigma l_i}{\Sigma e_i} ,$$

the sums being over ages in the childbearing range (normally 15-49). Design effects for the GFR can be approximated by the more easily computed variable mean number of births over the past five years to the total sample of women in the childbearing ages (births in last five years).

The total fertility rate (TFR) is the unweighted sum of ASFRs over all ages for the particular time period:

$$TFR = \sum\left(\frac{l_i}{e_i}\right) .$$

Being a sum of ratios, its sampling error is more readily computed using the software ISSA, which includes a resampling method such as the jackknife repeated replication (JRR). (By contrast, the Taylor linearization, as implemented in the program CLUSTERS, is used for most of the other computations in this report.) However, the TFR can also be seen as a ratio of weighted quantities:

$$TFR = a.\frac{\Sigma w_i.l_i}{\Sigma w_i.e_i} \quad \text{with } w_i = \frac{\bar{e}}{e_i} ,$$

where the weights w_i vary inversely to the age distribution of the women, a is the range of childbearing ages (typically $a = 35$ for the age range 15-49), and $\bar{e}$ is a constant (conveniently the average of e_i values or $\Sigma e_i/a$). We used CLUSTERS (Taylor linearization) to compute sampling errors for TFRs expressed in this form, and the results were practically identical to those calculated using JRR.

The crude birth rate (CBR), the ratio of the total number of live births during a certain time interval to the total population (P) at the midpoint of the interval, may be expressed as the product of two ratios:

$$CBR = \frac{\Sigma l_i}{P} = \left(\frac{\Sigma l_i}{\Sigma e_i}\right).\left(\frac{\Sigma e_i}{P}\right) = GFR.p_w ,$$

where p_w is the number of women in the childbearing ages as a proportion of the total population.

Tables B.6.1 and B.6.2 show defts, by individual country, for ASFRs computed for the five-year period preceding the interview. In Table 5.1.2, defts are shown for fertility measures that do not involve classification of the women by age group, namely, the total fertility rate, the general fertility rate (approximated by births in last 5 years), and the more easily computed fertility measure that is the mean number of children ever born (CEB). The relationship between defts for these different measures is given in Table 5.1.2. Table 5.1.1 summarizes the main results, averaged over countries. To provide an indication of the variability of defts across the surveys, Table 5.1.1 also shows the cv of estimated defts in the population of countries.

Table 5.1.1 Defts for age-specific fertility rates, Demographic and Health Surveys I and II

	Age group							
Statistic	15-19	20-24	25-29	30-34	35-39	40-44	45-49	Mean
Deft	1.34	1.34	1.27	1.27	1.26	1.19	1.13	1.26
cv (countries)	0.15	0.14	0.14	0.15	0.13	0.13	0.15	0.10
Age group (relative size)	1.63	1.45	1.24	1.00	0.80	0.61	0.26	1.00

Note: Defts for fertility rates are averaged over 48 countries and cv of defts over countries. Fertility rates are for the five-year period preceding the survey (computed using jackknife repeated replication). cv is coefficient of variation.

For ASFRs, the defts are not large (overall average 1.26) and decline with increasing age from the average value over 48 surveys of 1.34 for age group 15-19 to 1.13 for age group 45-49. This reflects the decreasing size of the age classes (third row in the table), which are true "cross-classes" cutting across the sample clusters (section 9). Compared with ASFRs, the value (overall average 1.44) is higher for the GFR because the latter measure is based on the whole population of women age 15-49. Table 5.1.2 shows that for the TFR, the deft values are higher still (average 1.57)—as well as somewhat more variable across the countries—because of the essentially external weights involved in their computation, as noted above.

Table 5.1.2 Defts for fertility rates and ratios, Demographic and Health Surveys I and II

Statistic	Mean over all age groups (1)	Total fertility rate (2)	Ratio (2)/(1)	General fertility rate (3)	Ratio (1)/(3)	Ratio (2)/(3)	Children ever born (4)	Ratio (1)/(4)	Ratio (2)/(4)	Ratio (3)/(4)
Deft	1.26	1.57	1.25	1.44	0.87	1.09	1.35	0.93	1.16	1.07
cv (countries)	0.10	0.19	0.13	0.15	0.11	0.15	0.20	0.15	0.20	0.11

Note: Fertility rates are for the five-year period preceding the survey (computed using jackknife repeated replication). General fertility rate is calculated for children born in the last five years. cv is coefficient of variation.

Compared with defts for the simpler measure of children ever born, defts for ASFRs are on the average smaller (by 7 percent), while those for GFR and TFR are higher (by 7 percent and 16 percent, respectively). The cv across countries lies in the range of 0.10-0.20 for various defts and deft ratios. This variation is larger ($cv < 0.20$) for TFR and children ever born and their ratio, and smaller ($cv < 0.10$) for ASFR averaged over age groups. No computations have been made for CBR, but we expect its deft to be close to or perhaps a little smaller than that for GFR.

Table B.7.1 compares defts for ASFRs with defts for children ever born, this time controlling the latter by current age group of the mother. The comparison in the table is confined to the 28 DHS-I countries only. Table 5.2.1 summarizes the main results, showing averaged values over countries as well as their cvs across countries. Defts for ASFRs are close to (only marginally higher, by 4 percent on the average, than) those for children ever born by age group. The results are quite stable across countries. (More strictly, we should compare ASFR for an age group i with the average of children ever born for current age groups i and $i + 1$, as the latter progressively involves younger women as we move back from the date of interview. With this modification, the results are somewhat more uniform and stable, though on the average little different from those mentioned above.)

Table 5.2.1 Defts for age-specific fertility rates, compared with defts for children ever born, by age group (mean and coefficient of variation over countries), Demographic and Health Surveys I

Statistic	Age group							Mean
	15-19	20-24	25-29	30-34	35-39	40-44	45-49	
Defts for age-specific fertility rates								
Mean	1.29	1.29	1.24	1.22	1.23	1.18	1.09	1.22
cv (over countries)	0.15	0.13	0.14	0.12	0.12	0.11	0.13	0.09
Deft for children ever born, by age group								
Mean	1.15	1.20	1.27	1.19	1.14	1.14	1.17	1.18
cv (over countries)	0.15	0.13	0.15	0.15	0.13	0.13	0.16	0.11
Deft ratio ASFR/CEB								
Mean	1.12	1.07	0.98	1.03	1.08	1.03	0.93	1.04
cv (over countries)	0.24	0.14	0.19	0.17	0.20	0.13	0.15	0.11

Note: ASFR is age-specific fertility rate. CEB is children ever born.

Table 5.2.2 shows the analysis of variance. For both the variables, ASFR and children ever born, country and age group explain about 60 percent of the variation, with country being by far the main factor. That is, the results are rather similar across age groups. Age group explains only 15 percent of the variation in the case of ASFR, and only 6 percent for children ever born. This difference between the two variables is in the expected direction because a current measure such as ASFR is more clearly related to age than a cumulative fertility measure such as children ever born.

Table 5.2.2 Analysis of variance between defts for age-specific fertility rates and defts for children ever born, Demographic and Health Surveys I

Item	Age-specific fertility rates			Children ever born		
	Sum of squares	Percent sum of squares	Degrees of freedom	Sum of squares	Percent sum of squares	Degrees of freedom
Country	2.45	0.43	27	3.13	0.54	27
Age group	0.83	0.15	6	0.37	0.06	6
Error	2.41	0.42	162	2.34	0.40	162
Total	5.68	1.00	195	5.85	1.00	195

We also investigated the factor by which the design effect would be multiplied if its denominator were computed by treating the ASFR as a simple proportion. The main conclusion (Table 5.3) is that these birth correlation factors are very close to 1.0, even for rates computed over a five-year period, i.e., there is no effect on the computation of multiple births occurring to the same woman. Note that in an age-specific rate computed over five years, the duration over which a particular woman involved in the computation is exposed varies from zero to five years, with an average of only 2.5 years. Hence, apart from deft, the sampling error for a complex statistic like the ASFR can be very easily computed from the estimate of the rate itself: for rate r based on e woman-years of exposure. The SRS error is approximated by

$$var(r)_{SRS} \approx \frac{r.(1-r)}{e} .$$

Similar results were found from the World Fertility Survey (Little, 1982).

Table 5.3 Effect of clustering of children of the same mother on age-specific fertility rates: ratio of the standard error of the actually computed rate (as a true ratio) to the standard error computed by treating it as a simple proportion, both under the assumption of simple random sampling (birth correlation factors), Demographic and Health Surveys I and II

	DHS-I		DHS-II		DHS-I and DHS-II		WFS
Age group	Factor	cv	Factor	cv	Factor	cv	results
15-19	1.08	0.14	1.03	0.11	1.06	0.13	0.98
20-24	0.95	0.08	0.95	0.10	0.94	0.09	0.96
25-29	0.95	0.08	0.94	0.07	0.94	0.08	0.95
30-34	0.97	0.08	1.01	0.09	0.98	0.09	0.98
35-39	1.04	0.08	1.02	0.06	1.03	0.08	1.03
40-44	1.06	0.08	1.06	0.08	1.06	0.08	1.05
45-49	1.05	0.13	1.09	0.10	1.07	0.12	-
Average 15-49	1.01	0.06	1.01	0.06	1.01	0.06	-
Average 15-44	-	-	-	-	1.00	-	0.99

Note: WFS is World Fertility Survey.

5.2 INFANT MORTALITY RATES

The infant mortality rate (IMR) measures the proportion of children born alive during a particular period j, who died within the first year of life:

$$IMR_j = \frac{d_j}{l_j} .$$

The IMR may be computed in two ways:

Form 1 For the type of data obtained in DHS retrospective birth histories (dates of birth of children, their survivorship status, and age at death if applicable), it is most appropriate and convenient to define l_j and d_j to refer to exactly the same cohort of children, such as those born j (one or more) years before the survey.

Form 2 By convention, however, based on data of the vital registration type, these quantities are defined somewhat differently: l_j refers to the number of children born alive during a particular period j (zero or more years before the survey), while d_j refers to all deaths under age one during that period. In other words, the numerator and the denominator refer to different populations of children. The numerator includes all deaths

under age one during period j, which can occur to children born during year j as well as to those born during the preceding year (j - 1), but excludes such deaths in the following period (j + 1) to children born during year j. The denominator only covers all births during year j.

Table B.8 shows defts for infant mortality rates by urban and rural domain for each country. The rates computed are for the five-year period preceding the interview. Results averaged over countries are summarized in Table 5.4. As before, to provide an indication of the variation of defts across the surveys, the table also shows the cv of defts in the population of countries.

Table 5.4 Defts for infant mortality rates, Demographic and Health Surveys I and II

Statistic	Domain	DHS-I		DHS-II		DHS-I and DHS-II	
		Deft	cv	Deft	cv	Deft	cv
Defts for actual sample							
IMR	Urban	1.07	0.12	1.16	0.23	1.11	0.18
	Rural	1.16	0.15	1.25	0.20	1.19	0.18
	Total	1.19	0.16	1.27	0.17	1.22	0.17
IMR-T	Total	1.19	0.13	1.28	0.17	1.23	0.15
Deft (IMR-T)/deft(IMR)	Total	1.00	0.17	1.01	0.22	1.00	0.19
Effect of clustering of children							
IMR	Urban	1.08	0.05	1.05	0.05	1.07	0.05
	Rural	1.08	0.05	1.10	0.03	1.09	0.04
	Total	1.08	0.05	1.08	0.03	1.08	0.04

Note: IMR (infant mortality rate) is for the five-year period preceding survey and was computed using jackknife repeated replication. IMR-T is computed following actual cohorts born 1-4 years ago (computed using Taylor linearization).

For IMR, the deft values are very similar to those for ASFRs examined above, the ratio of actual to SRS standard errors averaging 1.22 over the 48 surveys; however, as indicated by the cv, the variation across countries is somewhat larger and is similar to that for TFRs above.

The "effect of clustering of children" shows the factor by which the design effect would be multiplied if its denominator were computed simply by treating the IMR as a proportion (of children dying within the first year of life), i.e., as if it were based on a simple random sample of children rather than of women. This factor is not negligible for rates based on a five-year period and reflects multiple incidences of infant mortality experienced by the same mother. Its overall average value (1.08) is identical for DHS-I and DHS-II and varies little between urban and rural areas. Its variation across countries is also very small (average cv of 4 percent).

The defts shown in Table 5.4 are computed by taking an SRS of children as the denominator. The above implies that if an SRS of women (who constitute the actual enumeration units in DHS surveys) were taken as reference, the resulting deft values would be lower by 8 percent, i.e., would average around 1.13. Furthermore, a major part of this departure from 1.0 is due to the effect of sample weighting, which tends to inflate all design effects uniformly as discussed in the next section. Hence, apart from the effects of weighting and clustering of children, defts for infant mortality rates are close to 1.0 on average. This is because we are dealing with events that are, statistically speaking, rare. Other rare events also exhibit similar patterns, with defts tending to 1.0 apart from the effect of special factors such as sample weights.

The measure IMR in Table 5.4 has been computed as in Form 2, i.e., in the conventional way used for vital registration, because that is the form used in many DHS country survey reports. However, when based on sample survey data, it is preferable and much simpler to define this measure in relation to the mortality experience of a specific cohort of

children, i.e., as in Form 1. This is the definition used for variable IMR-T. Considering overall values averaged over countries, the defts computed for IMR-T are practically identical to those for IMR (despite the different computation methodologies used—JRR for IMR and Taylor linearization for IMR-T). However, the defts for the two measures show considerable differences according to the method of variance estimation at the level of individual country, as summarized by the large value of cv (19 percent) for the country-by-country ratios IMR-T/IMR.

5.3 NOTES ON COMPUTATIONS

5.3.1 Computation Using Age Groups

In place of single years of age, i in section 5.1 may refer to age groups. The conventional expression for TFR becomes

$$TFR = g.\sum_i \left(\frac{l_i}{e_i}\right),$$

where g is the number of years in an age group, and the summation is over $k = a/g$ groups (typically five-year age groups are used, i.e., $a = 35$ for the childbearing ages 15-49, $g = 5$ and $k = 7$).

The expressions for ASFRs, GFR, CBR, as well as the second expression for TFR (the rate expressed as an ordinary ratio) remain unchanged, irrespective of whether the summations are by single years or by age groups.

5.3.2 Sampling Error of TFR Expressed As A Simple Ratio

The following procedure has been used to express TFR as a simple ratio to compute its sampling error using Taylor linearization.

For woman j, let e_{ij} be the years of exposure to childbearing at age group i during a specified time interval, l_{ij}, her live births at age group i during the interval, and w_j her sample weight. The age distribution, or more strictly the distribution of exposure time by age group, is estimated as

$$E_i = \sum_j w_j.e_{ij},$$

with its mean over k childbearing age groups as

$$\bar{E} = \frac{\sum_i E_i}{k}.$$

Defining for woman j the weighted number of live births and years of exposure as

$$l_i = \sum_i \left(\frac{\bar{E}}{E_i}\right).l_i; \quad e_i = \sum_i \left(\frac{\bar{E}}{E_i}\right).e_{ij},$$

we can express TFR as

$$TFR = g.\sum_i \left(\frac{\sum_i w_j.l_{ij}}{\sum_j w_j.e_{ij}}\right) = \frac{g}{\bar{E}}.\sum_i\sum_j w_j.\left(\frac{\bar{E}}{E_i}.l_{ij}\right)$$

$$= \frac{g}{\bar{E}}.\sum_j w_j.\sum_i \left(\frac{\bar{E}}{E_i}.l_{ij}\right) = \frac{g}{\bar{E}}.\sum_j w_j.l_j .$$

Similarly it follows that

$$\sum_j w_j.e_j = \sum_j w_j.\sum_i \left(\frac{\bar{E}}{E_i}\right).e_{ij} = \sum_i \left(\frac{\bar{E}}{E_i}\right).\sum_j w_j.e_{ij} = k.\bar{E} = \frac{a}{g}.\bar{E} .$$

Hence

$$TFR = a.\frac{\sum_j w_j.l_j}{\sum_j w_j.e_j} ,$$

which is an ordinary ratio of weighted aggregates of the newly defined variables l_j and e_j, on the assumption (reasonable for large samples) that quantities E_i can be treated as constants (i.e., not subject to sampling variance).

6 Effect of Sample Weights on Sampling Error

Apart from estimates at the national level, the production of separate estimates for urban and rural domains and for subnational regions is also an important objective of most DHS surveys. This often requires sampling at varying rates so as to obtain adequate sample sizes for small domains. Departures from self-weighting sampling are more common in DHS-II because of the increasing emphasis on subnational estimates.

Differential sampling rates require weighting of the sample data. Weighting may also be introduced to compensate for differential nonresponse and other shortcomings in sample implementation. From the point of national-level estimates (whether for the total population or for demographic or other subclasses distributed over the population), these weights are essentially arbitrary or random, not related to differences in domain variances. Such weighting tends to inflate sampling error of the estimates. It is important to separate out the effect of arbitrary weights on sampling error and design effects, as this effect tends to persist undiminished on subclasses and subclass comparisons, including those of very small size for which the design effect otherwise tends to 1.0. The effect of essentially arbitrary weights is to uniformly inflate all design effects. These assertions are verified and quantified in the empirical results discussed in this section.

6.1 ESTIMATING THE EFFECT OF WEIGHTING

The effect of sample weights on sampling error and design effects can be complex and varied, depending on factors such as the correlation between the weights and survey variables, and whether the weights can be taken as fixed or are subject to variation in the estimation procedure. In the DHS surveys, as in many other surveys, sample weights are introduced primarily as a compensation for disproportionate allocation of the sample across sampling domains (such as an oversampling of small domains to obtain adequate sample sizes). Such weights can be expected to be largely unrelated to the survey variables being estimated. Also, in the absence of special procedures such as poststratified estimation using external information, the sample weights may be considered essentially fixed.

Kish (1965) gives a simple expression for estimating the effect of such arbitrary weights. It is to inflate the variance by a factor:

$$D_w^2 = \frac{\Sigma n_h . \Sigma n_h w_h^2}{(\Sigma n_h w_h)^2} ,$$

where a weight w_h is applied uniformly to n_h cases in the sample. This expression assumes that the effect is independent of and is the same for different survey variables, as well as for estimates over subpopulations with similar distribution of the weights. (Note: We write D_w^2 for $1 + L$ in the original formulation of Kish, where L is the proportionate increase in variance due to the effect of arbitrary weights.)

A more precise expression for the effect of weighting, not making the above assumptions, is as follows. For a ratio estimator

$$r = \frac{y}{x} = \frac{\Sigma w_j . y_j}{\Sigma w_j . x_j} ,$$

with the weights varying at the level of individual units j, the effect of weights is to inflate the variance by

$$D_w^2 = \frac{n.\Sigma(w_j z_j)^2}{\Sigma w_j . \Sigma w_j z_j^2} , \quad \text{with } z_j = \frac{1}{\bar{x}} . (y_j - r x_j) .$$

D_w is the design effect that a random sample of elements, with weights w_j as in the actual sample, will have in relation to an (unweighted) SRS. A large number of computations, covering 10 main variables for each country separately for urban and rural domains, were performed using this expression (Tables B.9.1-B.9.3). The objective was to verify the extent to which the effect of sample weights on deft can be taken as uniform for estimates involving diverse variables and subclasses of different types and sizes. Of special interest are subclasses of small size and subclass differences for which defts can be expected to approach 1.0 despite complexity of the sample design, apart from the possible effect of weighting. The results confirm two important points:

(1) For essentially random weights, such as those arising from disproportionate sample allocation, the simple expression by Kish gives results that are extremely close to those from the more detailed computations, confirming that in DHS samples, the weights are essentially unrelated to the survey variables and that the effect of weighting persists unchanged across diverse variables and subclasses.

(2) For small subclasses and differences, the effect of clustering and stratification on defts vanishes, but that of weighting (D_w) persists undiminished. For such classes, the actually computed defts turn out to be very close to D_w in nearly all cases.

A selection of the results is shown in Table 6.1. The results are for DHS-I surveys that depart from self-weighting, averaged over a number of variables. Column 1 shows the effect computed using the simple expression of Kish (1965). Column 2 shows the same, computed by individual variables using the more precise expression. The results differ little by variable, and the values shown are averaged over 10 variables. It can be seen that in most cases the two columns are close.

Table 6.1 Illustration of the effect of sample weights on deft (D_w), Demographic and Health Surveys I

Region and country	Effect of weighting		Deft for a very small subclass (with higher level of education)		
	D_w according to Kish[1] (1)	D_w direct estimate (2)	Subclass size (M_s) (3)	Subclass deft (4)	Ratio (4)/(1)
Sub-Saharan Africa					
Botswana	1.09	1.11	0.02	1.09	1.00
Burundi	1.06	1.04	0.00	-	-
Kenya	1.27	1.28	0.00	-	-
Liberia	1.13	1.13	0.01	1.07	0.94
Mali	1.10	1.09	0.00	-	-
Uganda	1.11	1.11	0.00	-	-
Asia/Near East/North Africa					
Egypt	1.03	1.03	0.05	1.12	1.08
Indonesia	1.20	1.21	0.02	1.35	1.13
Sri Lanka	1.05	1.05	0.23	1.08	1.03
Thailand	1.21	1.24	0.04	1.14	0.94
Latin America/Caribbean					
Bolivia	1.21	1.19	0.08	1.19	0.98
Brazil	1.06	1.02	0.07	1.10	1.04
Colombia	1.03	1.03	0.05	1.06	1.03
Dominican Republic	1.16	1.15	0.08	1.18	1.01
El Salvador	1.03	1.06	0.03	1.00	0.97
Mexico	1.43	1.39	0.06	1.29	0.90
Average	1.14	1.13	0.05	-	1.01

[1] See Kish, 1965

Columns 3-5 show defts computed over a very small subclass, namely women educated beyond the primary level. Overall this class accounts for only 5 percent of the sample. For such subclasses, the effect of clustering and stratification on defts tends to disappear, but the effect of weighting persists practically undiminished. In all cases, the computed defts are close to D_w for the sample concerned. For the remaining surveys where the design is self-weighting, computations confirm that defts for such subclasses approach 1.0.

6.2 EFFECT OF WEIGHTING BY DOMAIN

Detailed results on the effect of weighting (D_w) across countries, regions and urban-rural domains are shown in Table B.10. These results provide a concise summary of the impact of sample weights in DHS samples and permit us to draw the following conclusions:

(1) D_w for the total sample exceeds 1.2 (i.e., weighting results in more than 44 percent increase in variance) in five of the 28 DHS-I surveys, and in as many as seven of the 20 DHS-II surveys. Generally, however, the effects of weighting on the variance are small or negligible, even though a majority of the surveys depart from strictly self-weighting designs. It is the case that while the effect on deft of large departures from self-weighting can also be large, the effects of moderate departures tend to be small, and those of small departures negligible. In many situations, domains of different sizes can be sampled at substantially different rates (to meet the requirements for domain-level estimation) without adversely affecting the overall results too much.

(2) To the extent that sampling rates vary across rather than within subnational domains, the D_w values for individual domains are smaller than those for the total country. However, more important is the fact that we found significant D_w values for many individual domains as well (for urban and rural sectors and/or for individual regions), implying significant variations in weights not only across but also within domains. This conflicts with the main justification for introducing differential sampling rates, viz. the production of subnational estimates. This problem arises from the difficulty in determining the appropriate sample allocation to simultaneously meet the requirement of two overlapping sets of domains: urban-rural on the one hand, and individual regions on the other. A closer examination of the samples indicates that a more efficient allocation would have been possible in a number of cases.

The results are summarized in Table 6.2. It shows the variation of the effect of weighting (D_w) across countries and urban-rural domains, and averaged over regions in each country. Countries have been arranged in the order of D_w values. This detailed table provides more than a mere description of the DHS sample designs. It shows, in quantitative terms, the effect of the choice of sample allocation on the magnitude of the sampling error for diverse estimates produced from the surveys for different variables, subclasses and other domains. The effect at the national level is higher to the extent that the sampling rate varies across rather than within subnational domains. With a few exceptions (more common in DHS-II than in DHS-I), the effect does not vary greatly across regions of a given country. Therefore, only the values averaged over regions of each country are shown in the table for brevity. The table also identifies the level (if any) at which each sample is self-weighting. The following notation is used:

ALL	Self-weighting throughout.
UR	Self-weighting within the urban and the rural sectors but with different urban and rural sampling rates.
U	Self-weighting only within the urban sector but not within the rural.
Reg	Self-weighting within but not across regions of the country.

The remaining samples depart from self-weighting more generally.

Table 6.2 Increase in deft due to sampling weight (D_w), Demographic and Health Surveys I and II

Region and country	Total	Urban	Rural	Regions (mean)	Self-weighting domains
DHS-I					
Sub-Saharan Africa					
Botswana	1.09	1.00	1.00	1.09	UR
Burundi	1.06	1.00	1.00	1.07	UR
Ghana	1.00	1.00	1.00	1.00	ALL
Kenya	1.27	1.00	1.27	1.23	U
Liberia	1.13	1.07	1.17	1.00	Reg
Mali	1.10	1.03	1.05	1.06	-
Nigeria (Ondo)	1.00	1.00	1.00	1.00	ALL
Senegal	1.00	1.00	1.00	1.00	ALL
Sudan	1.00	1.00	1.00	1.00	ALL
Togo	1.00	1.00	1.00	1.00	ALL
Uganda	1.11	1.00	1.09	1.04	U
Zimbabwe	1.00	1.00	1.00	1.00	ALL
Asia/Near East/North Africa					
Egypt	1.03	1.04	1.02	1.03	-
Indonesia	1.20	1.26	1.16	1.11	-
Morocco	1.00	1.00	1.00	1.00	ALL
Sri Lanka	1.05	1.02	1.05	1.05	-
Thailand	1.21	1.03	1.14	1.10	-
Tunisia	1.00	1.00	1.00	1.00	ALL
Latin America/Caribbean					
Bolivia	1.21	1.20	1.21	1.21	-
Brazil	1.06	1.07	1.03	1.00	Reg
Colombia	1.03	1.03	1.03	1.00	Reg
Dominican Republic	1.16	1.16	1.13	1.00	Reg
Ecuador	1.00	1.00	1.00	1.00	ALL
El Salvador	1.03			1.05	-
Guatemala	1.00	1.00	1.00	1.00	ALL
Mexico	1.43	1.61	1.14	1.25	-
Peru	1.00	1.00	1.00	1.00	ALL
Trinidad and Tobago	1.00	1.00	1.00	1.00	ALL
Average DHS-I	1.08	1.06	1.06	1.05	-
DHS-II					
Sub-Saharan Africa					
Burkina Faso	1.10	1.00	1.00	1.04	UR
Cameroon	1.08	1.11	1.01	1.03	-
Madagascar	1.06	1.00	1.00	1.05	UR
Namibia	1.03	1.02	1.03	1.01	-
Niger	1.12	1.03	1.00	1.04	-
Nigeria	1.36	1.16	1.32	1.32	-
Rwanda	1.04	1.00	1.00	1.04	UR
Senegal	1.00	1.00	1.00	1.00	ALL
Tanzania	1.25	1.44	1.14	1.23	-
Zambia	1.02	1.00	1.04	1.01	-
Asia/Near East/North Africa					
Egypt	1.12	1.16	1.08	1.12	-
Indonesia	1.39	1.34	1.40	1.02	-
Jordan	1.08	1.06	1.12	1.06	-
Morocco	1.00	1.00	1.00	1.00	ALL
Pakistan	1.34	1.35	1.21	1.29	-
Latin America/Caribbean					
Northeast Brazil	1.29	1.26	1.33	1.16	-
Colombia	1.20	1.12	1.15	1.17	-
Dominican Republic	1.35	1.30	1.45	1.26	-
Paraguay	1.05	1.04	1.05	1.00	Reg
Peru	1.07	1.07	1.05	1.05	-
Average DHS-II	1.15	1.12	1.12	1.10	-

6.3 NOTES ON COMPUTATIONS

The effect of weighting has been estimated as follows using CLUSTERS. The ratio of weighted quantities for units j in the sample

$$r = \frac{\Sigma w_j.y_j}{\Sigma w_j.x_j}$$

may also be written in an unweighted form using new variables as

$$r' = \frac{\Sigma y_j'}{\Sigma x_j'} \quad , \quad \text{with} \quad y_j' = w_j.y_j, \quad x_j' = w_j.x_j \ .$$

For the multistage sample, the estimate of variance is identical for the two forms as it depends only on the weighted PSU aggregates $\Sigma w_j.y_j = \Sigma y'_j$. However, the SRS variance of r (which forms the denominator of deft^2) is estimated as

$$var_{SRS}(r) = \frac{1}{n-1}.\frac{\Sigma w_j.z_j^2}{\Sigma w_j} \quad , \quad \text{with} \quad z_j = \frac{1}{\bar{x}}.(y_j - r.x_j) \ ,$$

while that of r' is

$$var_{SRS}(r') = \frac{n}{n-1}.\frac{\Sigma w_j^2.z_j^2}{(\Sigma w_j)^2} \ .$$

The former does not include the effect of weighting on variance, but the latter does. Hence, dividing the actual sample variance by the latter cancels the effect of weighting, i.e., it gives deft^2 after removing the effect of weighting. By contrast, the effect of weighting remains if the former is used as the denominator for deft^2. The ratio of the two deft^2 values gives the effect of weighting. Obviously, this is identical to the ratio of their denominators, namely

$$\frac{var_{SRS}(r')}{var_{SRS}(r)} = \frac{n.\Sigma w_j^2.z_j^2}{\Sigma w_j.\Sigma w_j.z_j^2} \ .$$

The Kish (1965) expression is an approximation to the above expression, assuming z_j and w_j to be uncorrelated, and has been written in a particular form with sets n_h of cases having uniform weight w_h.

7 Sampling Errors for Regions or Other Geographical Domains

Many important results in the DHS reports are presented separately by regions of the country. Regions correspond to major administrative and geographical parts of the country, with the urban metropolitan area often forming a separate region. The regions of interest can vary greatly in size and number per country. An average of five to six regions, with a maximum of 10, per country are involved in the surveys under study.

For several reasons it is important to relate regional sampling errors (in particular design effects) to those for the total sample. First, it is often required to limit the number of sampling error computations to be made, analyzed and presented. Second, for many geographic domains, the sample is based on a small number of PSUs, resulting in large variability in the computed results on sampling errors. It is more useful if the results of individual computations are appropriately averaged or "modeled."

In DHS surveys, the regions within a country generally form separate sampling domains and tend to be similar to the total sample in design, including the number of stages and the type and size of sampling units involved. Tables B.11.1-B.11.3 show certain basic characteristics of the regional samples: the number of sample PSUs per region; the average cluster size $\bar{b}$ (i.e., the number of women interviewed per PSU), and the coefficient of variation of individual cluster sizes, cv(b_i), compared with those for the total sample. The effect of weighting, D_w, has already been shown in Table B.10. In DHS, the regional samples within each country are generally similar, except that the effect of weighting for individual regions is often smaller than that for the total sample, to the extent that the sampling rates were varied across rather than within regions in the design.

The regional design effects therefore often happen to be quite similar to the total sample defts. Insofar as that is the case, the actual magnitude of the sampling error varies across regions roughly in inverse proportion to the square root of the regional sample size, or the relative population size of the region, in situations where the sample is self-weighting or where the sampling rates involved within any region are similar in size and variation to those in the country as a whole.

Table B.12.1 shows regional defts relative to the total sample within each country. The results have been averaged over 10 main variables. Overall, regional defts are slightly smaller than the corresponding total sample defts, by 7 percent, and the pattern is stable across regions in the DHS (cv of the ratios of regional to total sample deft being 9 percent). Regional variation within countries is generally even smaller, reflecting similar designs across regions of a country, though there are a few exceptions, such as the samples in Ghana and Thailand in DHS-I and Pakistan and Northeast Brazil in DHS-II.

A major part of the difference in defts between the total sample and individual regions is accounted for by the smaller effect of sample weights in the latter, because the weights are generally less variable within regions than across the whole country. This is shown in Table B.12.1, which compares regional and total sample defts within each country after removing the effect of weighting (i.e., after dividing the actual defts by the corresponding D_w). Not only does the regional-to-total sample deft ratio move closer to 1.0, but its variation across regions within countries is also considerably reduced.

The results are summarized in Table 7.1. It shows the variation of the regional-to-total sample deft ratios by country. For each country, the values shown are the average and the cv of these ratios over regions of the country.

Table 7.1 Pattern of defts across sub-national regions, results averaged over 10 main variables, Demographic and Health Surveys I and II

Region and country	Average of deft ratios (region/country)		Aftrer removing effect of weighting for both country and region	
	Mean	cv	Mean	cv
DHS I				
Sub-Saharan Africa				
Botswana	-	-	-	-
Burundi	0.95	0.06	0.95	0.09
Ghana	0.91	0.16	0.91	0.16
Kenya	0.90	0.12	0.94	0.04
Liberia	0.89	0.04	1.01	0.04
Mali	0.96	0.10	0.99	0.08
Nigeria (Ondo)	0.95	0.12	0.95	0.12
Senegal	0.96	0.04	0.96	0.04
Sudan	0.95	0.05	0.95	0.05
Togo	0.93	0.03	0.93	0.03
Uganda	0.89	0.13	0.95	0.11
Zimbabwe	0.94	0.08	0.94	0.08
Asia/Near East/North Africa				
Egypt	0.87	0.06	0.87	0.07
Indonesia	0.91	0.10	0.98	0.09
Morocco	0.96	0.12	0.96	0.12
Sri Lanka	-	-	-	-
Thailand	0.89	0.18	0.97	0.14
Tunisia	0.98	0.13	0.98	0.13
Latin America/Caribbean				
Bolivia	0.98	0.02	0.99	0.02
Brazil	0.98	0.10	1.04	0.10
Colombia	0.94	0.09	0.96	0.09
Dominican Republic	0.86	0.05	1.00	0.05
Ecuador	0.95	0.08	0.95	0.08
El Salvador	0.98	0.09	0.99	0.05
Guatemala	0.96	0.11	0.96	0.11
Mexico	0.90	0.16	1.03	0.17
Peru	0.96	0.05	0.96	0.05
Trinidad and Tobago	1.00	0.02	1.00	0.02
Average DHS-I	0.93	0.09	0.96	0.08
DHS-II				
Sub-Saharan Africa				
Burkina Faso	0.93	0.05	1.03	0.04
Cameroon	0.85	0.11	0.94	0.09
Madagascar	0.96	0.12	0.97	0.12
Namibia	0.96	0.04	0.99	0.05
Niger	0.93	0.07	1.07	0.11
Nigeria	0.91	0.13	1.01	0.20
Rwanda	0.97	0.11	0.98	0.11
Senegal	0.97	0.11	0.97	0.11
Tanzania	0.89	0.08	0.94	0.18
Zambia	0.97	0.11	0.99	0.12
Asia/Near East/North Africa				
Egypt	0.95	0.05	0.95	0.07
Indonesia	0.74	0.09	1.37	0.07
Jordan	0.97	0.07	1.01	0.08
Morocco	0.92	0.13	0.92	0.13
Latin America/Caribbean				
Northeast Brazil	0.78	0.19	0.97	0.13
Colombia	0.90	0.06	0.97	0.16
Dominican Republic	0.92	0.12	1.10	0.21
Pakistan	1.10	0.34	1.15	0.06
Paraguay	0.98	0.05	1.08	0.05
Peru	1.04	0.09	1.07	0.07
Average DHS-II	0.92	0.11	1.03	0.11
Average DHS-I+DHS-II	0.93	0.09	1.00	0.09

Given the very large number of regions (261 in the 48 surveys), we have not presented defts for individual regions and variables. A summary view is provided in Table 7.2, which presents an analysis of variance of design effects based on a very large number of computations, involving 10 main variables from each of 261 regions. Analyzing by region and variable, these two controls explain 40 percent of the total variance in defts; the remaining 60 percent being random or attributable to other factors. This is considerably lower than the 60 percent explained by country and variable for the same set of 10 variables, reflecting the smaller number of PSUs on which regional results are based.

The table also gives ANOVA not for the actual defts but for the ratios, each for a given variable, of the regional to the total sample defts. Naturally, the total sum of squares (SS) for these ratios is greatly reduced, compared with that for the actual deft values. The proportion of variance explained is lower (30 percent), but the remarkable result is that this is almost entirely by regions, with no contribution from variables. The first conclusion is that in relating regional to total defts, it appears quite appropriate to work with values averaged over different variables.

Table 7.2 Analysis of variance of defts by region and variable, Demographic and Health Surveys I and II

ANOVA	Sum of squares	Percent sum of squares	Degrees of freedom
ANOVA of deft values			
Regions			
Regions/Countries	126.9	26.6	260
Variables	63.6	13.3	9
Error	287.0	60.1	2,340
Total	477.5	100.0	2,609
Countries			
Regions/Countries	17.9	32.1	46
Variables	15.0	26.7	9
Error	23.1	41.2	414
Total	56.0	100.0	469
ANOVA of ratio of regional to total defts			
Regions/Countries	37.9	29.5	260
Variables	0.4	0.3	9
Error	90.2	70.2	2,340
Total	128.6	100.0	2,609

This analysis of regional-to-total sample deft ratios by country gives the following picture. Overall, the average deft ratio is 0.93, with cv over regions within countries of only 9 percent. After removing the effect of weighting on regional and total sample defts, this ratio becomes close to 1.0. These figures have two further implications: (1) The average regional defts are smaller than the corresponding national-level defts. This is primarily due to the effect of weighting; generally, the national-level samples are subject to larger weights (reflecting larger variations in sampling rates) than individual regions, some of which may in fact be self-weighting by design; and (2) the relationship of regional-to-total sample defts is generally stable across different regions of the same country.

The above observations provide a robust basis for inferring sampling errors from the national-to-regional level, applicable for diverse variables. The ratio of $deft_i$ for region i to the corresponding total sample deft may be expressed in terms of a factor k_i:

$$\frac{deft_i}{deft} = k_i \cdot \left(\frac{D_{W,i}}{D_W} \right),$$

uniform across diverse variables. Averaged over different regions, k_i is close to 1.0, as confirmed by our numerous computations. For any individual region as well, it departs significantly from 1.0 only exceptionally, to the extent that the region's population characteristics or sample design differ from the rest of the country.

It is of course possible to consider more elaborate models based on the concept of intracluster correlation or roh (section 8), which isolates in addition the effect of differences in regional cluster sizes, such as

$$\frac{deft_i^2 - D_{W,i}^2}{deft^2 - D_W^2} = h_i \cdot \left(\frac{\bar{b}_i}{\bar{\bar{b}}}\right) \cdot \left(\frac{D_{W,i}^2}{D_W^2}\right),$$

where h_i is akin to the ratio of regional-to-total sample roh, hopefully uniform across diverse variables. Our data did not justify the introduction of such an elaborate modeling, given the uniformity of regional designs within countries in the Demographic and Health Surveys.

8 Intracluster Correlation (Roh)

For a given variable and sample design, the value of deft tends to increase with increasing cluster size. To control this effect, Kish (1965) introduced a synthetic measure roh (rate of homogeneity), defined in terms of deft and average cluster size as:

$$deft^2 = 1 + (\bar{b} - 1).roh \ .$$

Roh is a synthetic measure introduced with the aim of measuring the average degree to which values of a particular variable are homogeneous within PSUs, relative to that variable's overall variability. The above expression has been developed for self-weighting samples in the absence of large variations in cluster sizes. To isolate the effect of arbitrary sample weights, we divided deft on the left hand side by D_w. In the presence of large variations in cluster sizes, it is more appropriate to compute the average cluster size as

$$\bar{b}' = \Sigma b_i^2 / \Sigma b_i = \bar{b}.(1 + cv^2(b_i)) \ ,$$

in place of the simple average

$$\bar{b} = \Sigma b_i / a = n/a \ ,$$

the various quantities being summed over a clusters (PSUs) in a sample of size n (see section 9). In most DHS surveys, the cluster sizes are well controlled, and the above refinement makes little difference. However, in some samples there are large differences in cluster sizes between urban and rural domains. Disregarding the (normally small) within-domain variation in cluster sizes, the average cluster size for the total sample modified as above becomes

$$\bar{b}' = (n_1.b_1 + n_2.b_2)/(n_1 + n_2) \ ,$$

where the subscripts distinguish the two domains.

By removing the effect of cluster size, roh values are more "portable" measures of sampling error, i.e., more useful for extrapolating the results to other variables, subclasses, domains and countries. Though in this report we have primarily concentrated on the presentation and analysis of defts, the concept of roh underlies some of the important models presented here, particularly concerning sampling errors for subclasses and subclass differences (section 9).

Even more importantly, the measure roh is more directly useful than deft in the choice of the sample design. Some of the most basic issues in sample design concern the choice of the type and number of units to be used as the PSUs, and the sample size and procedure for subsampling to be used within the selected PSUs. In principle, roh values are more invariant (hence more "portable") across different designs.

However, in practice it is often difficult to estimate roh values with sufficient precision, though useful results can be derived by appropriately averaging the roh values over different statistics. The computed roh values in Tables B.13.1-B.13.3 are based on defts smoothed or modeled as described in section 3. This improves the stability of the results and also permits their extension to the full set of country-by-variable matrices, thereby making it easier to see the underlying pattern. The results are shown by individual country and variable, separately for the total sample and urban and rural domains. Tables B.14.1 and B.14.2 give roh values by country for age-specific fertility rates and the infant mortality rate, the latter separately for urban and rural domains.

The summary results in Table 8.1 show the marginal distributions of roh values across variables averaged over all countries and across countries averaged over all variables. There is a huge range of variation across variables, from roh values of around 0.15 for variables relating to medical care and contraceptive knowledge, to a mere 0.01-0.02 for mortality and fertility measures. Variables that depend on the availability of local facilities tend to have large roh values, while

Table 8.1 Estimated intracluster correlation (roh), by variable and by country, Demographic and Health Surveys I and II

Average over countries, by individual variable and variable group

Variable	Total	Urban	Rural
Medical care (C)	0.16	0.13	0.16
Medically delivered	0.22	0.22	0.19
Mother received tetanus	0.12	0.09	0.12
Have health card	0.15	0.08	0.16
Immunized	0.21	0.12	0.24
Given ORS	0.12	0.15	0.10
Knowledge of contraception	0.13	0.11	0.11
Know modern method	0.15	0.12	0.12
Know any method	0.14	0.11	0.11
Know source for method	0.12	0.11	0.10
Background or "life-time" variables	0.07	0.08	0.07
Illiterate	0.08	0.07	0.08
Ever used contraception	0.08	0.08	0.08
Ideal family size	0.06	0.06	0.06
Age at marriage	0.05	0.06	0.04
Children born to 40-49	0.08	0.11	0.06
Current use of contraception	0.04	0.03	0.06
Using any method	0.05	0.04	0.06
Using modern method	0.04	0.03	0.06
Using IUD	0.04	0.03	0.04
Using pill	0.04	0.02	0.05
Using condom	0.03	0.02	0.09
Using public source	0.03	0.03	0.04
Sterilized	0.03	0.02	0.04
Child health (C)	0.03	0.04	0.03
Had diarrhea	0.03	0.03	0.03
Height for age	0.05	0.07	0.04
Weight for age	0.04	0.04	0.04
Weight for height	0.02	0.02	0.02
Fertility	0.02	0.03	0.02
Births in last 5 years	0.03	0.04	0.02
Married	0.03	0.03	0.02
Children 0-4 years	0.02	0.03	0.02
Births 1-4 years	0.02	0.03	0.02
Children ever born	0.02	0.02	0.02
Children weighed	0.02	0.02	0.02
Births 5-9 years	0.01	0.02	0.01
Children 1-2 years	0.01	0.01	0.00
Age-specific fertility rate			
15-49	0.02	-	-
20-24	0.02	-	-
25-29	0.02	-	-
30-34	0.02	-	-
35-39	0.02	-	-
40-44	0.02	-	-
45-49	0.02	-	-
Current fertility intentions	0.02	0.02	0.02
Want no more children	0.02	0.02	0.02
Want to delay next child	0.01	0.01	0.02
Infant mortality	0.01	0.02	0.01
IMR 1-4 years	0.02	0.01	0.01
IMR 5-9 years	0.01	0.02	0.01
Dead	0.02	0.02	0.02
All variables			
Mean	0.054	0.055	0.060
cv	0.98	0.85	0.90

Average over variables, by country

Country	Total	Urban	Rural
Indonesia 1	0.13	0.13	0.13
Guatemala 1	0.10	0.19	0.08
Morocco 1	0.10	0.12	0.10
Togo 1	0.09	0.09	0.09
Sudan 1	0.09	0.11	0.09
Tunisia 1	0.09	0.15	0.06
Egypt 1	0.09	0.08	0.05
Brazil 1	0.09	0.07	0.10
Nigeria 2	0.09	0.07	0.08
Ecuador 1	0.08	0.04	0.09
Kenya 1	0.08	0.07	0.09
Colombia 1	0.07	0.08	0.05
Ghana 1	0.07	0.02	0.08
Cameroon 2	0.07	0.16	0.07
Niger 2	0.07	0.04	0.09
Thailand 1	0.07	0.02	0.07
Burkina Faso 2	0.07	0.04	0.07
Egypt 2	0.07	0.05	0.05
Northeast Brazil 2	0.07	0.02	0.07
Nigeria 1 (Ondo)	0.06	0.09	0.05
Indonesia 2	0.06	0.05	0.07
Zimbabwe 1	0.06	0.12	0.04
Senegal 2	0.06	0.02	0.07
Madagascar 1	0.06	0.02	0.06
Mali 1	0.05	0.04	0.05
Liberia 1	0.05	0.04	0.06
Morocco 2	0.05	0.04	0.05
Botswana 1	0.05	0.04	0.05
Burundi 1	0.05	0.01	0.05
Mexico 1	0.05	0.03	0.06
Bolivia 1	0.05	0.04	0.06
Colombia 2	0.05	0.04	0.05
Tanzania 2	0.05	0.03	0.04
Senegal 1	0.04	0.03	0.05
Jordan 2	0.04	0.04	0.06
Rwanda 2	0.04	0.01	0.04
Namibia 2	0.04	0.04	0.03
Dominican Republic 1	0.04	0.05	0.05
Pakistan 2	0.04	0.04	0.04
Zambia 2	0.04	0.02	0.04
Dominican Republic 2	0.03	0.02	0.06
Peru 2	0.03	0.02	0.07
Uganda 1	0.03	0.06	0.03
Paraguay 2	0.03	0.03	0.04
El Salvador 1	0.03	0.02	0.01
Sri Lanka 1	0.03	0.03	0.03
Trinidad and Tobago 1	0.02	0.02	0.02
Peru 1	0.01	0.04	0.01
All countries			
Mean	0.059	0.055	0.060
cv	0.41	0.74	0.40

Note: Number following country name indicates DHS-I or DHS-II survey. ORS is oral rehydration salts. IUD is intrauterine device. IMR is infant mortality rate. C indicates variable with child as the unit of analysis.

measures of rare, largely random events such as births and deaths, have much smaller roh values. (The grouping of variables in Table 8.1 is the same as that in Table 3.1, except for the reclassification of a couple of variables, because that fits the pattern better.) Overall averages and the pattern of variation of roh values are similar to those found for the World Fertility Survey in an earlier investigation (Verma et al., 1980).

The variation of roh values across countries is also large, though considerably less so than across variables. This variation reflects possible differences in population characteristics and distribution, and in physical size and type of sample areas and the subsampling procedures used. It would be interesting to study the variation in roh values in relation to specific features of the national surveys.

Table 8.1 also shows the results separately for urban and rural domains. Overall average roh values are slightly lower (by 8 percent) for urban areas, though not uniformly across different sets of variables.

8.1 NOTES ON COMPUTATIONS

In the above, roh values have been computed from modeled defts after removing the effect of weighting, so as to reflect the effect of clustering and stratification rather than of the essentially external weights. The cluster size $\bar{b}$ in the expression for roh refers, for a given variable, to the average number per PSU of the appropriate type of sample units to which the variable applies. Irrespective of any sample weights, the average cluster sizes have been defined always in terms of the unweighted number of cases.

In order to extend the computation of roh to variables for which sampling errors have not been or could not be computed, the following simplified approach has been used in defining the appropriate cluster size $\bar{b}_v$ for any given variable and country: The number of sample women per PSU, $\bar{b}$, is multiplied by the ratio $(\bar{b}_v)/\bar{b}$ averaged over countries from the last column of Tables B.13.1-B.13.3. The average $\bar{b}$ is based on the number of sample PSUs that contain at least one completed interview, i.e., ignoring completely empty PSUs; however, $\bar{b}_v$ is based on the same number of PSUs, ignoring the possibility that some additional PSUs may turn out be empty so far as the variable of interest is concerned.

9 Design Effects for Subclasses and Subclass Differences

Any survey involves numerous subclasses of potential interest, and it is necessary to develop adequate models for the patterns of variation of sampling errors for subclasses in terms of those for the total sample. In this section we examine design effects for subclasses defined in terms of characteristics of individual respondents, such as age groups, women's level of education and work status. Such classes normally do not form explicit domains for sample design and selection and are generally spread throughout the population, cutting across sample clusters more or less uniformly. Such "distributed" subclasses defined in terms of individual characteristics are distinguished from "geographical domains," such as urban-rural sectors and regions, each of which covers and is confined to a subset of the sample clusters and often forms an explicit domain for sample selection. (The term "cross-classes" has been promoted by Kish et al., 1976, to refer to well-distributed classes, while "mixed classes" refers to those that are ill-distributed but without being explicitly confined to only a part of the sample. "Segregated classes" are so confined: These include geographic domains but may also refer to other subpopulations restricted to only a subset of the sample areas.)

For geographical domains (and other segregated classes), cluster sizes do not depend on the size of the domain in relation to the total sample, but on the design of the domain. Often the designs across domains, and hence the cluster sizes and the design effects, are similar to the total sample; consequently, the sampling variance varies in inverse proportion to the sample size.

For distributed classes however, the effective cluster sizes and hence defts generally decline with decreasing subclass size, which partly offsets the effect of reduced sample size on the sampling error. The major effect on deft comes from the fact that for a subclass s containing proportion M_s of the total sample, the effective average cluster size is proportionately reduced, while the subclass and total sample roh values tend to be similar. Under these assumptions, the basic model of section 8, rewritten to compare a subclass with the total sample,

$$\frac{deft_s^2 - 1 + roh_s}{deft^2 - 1 + roh} = \left(\frac{roh_s}{roh}\right).\left(\frac{\bar{b}_s}{\bar{b}}\right),$$

may be approximated as

$$d_s^2 = \frac{deft_s^2 - 1}{deft_s - 1} \approx \frac{\bar{b}_s}{\bar{b}} = M_s .$$

(Note that for a weighted sample, all deft values in the above expression are divided by D_w, isolating the effect of weighting.)

In practice, with decreasing M_s, the reduction in d_s^2 is found to be less steep than implied by the above model. An underlying factor is that the variation in cluster sizes tends to be larger in subclasses than that in the total sample, to the extent that subclasses are unevenly distributed across the population (sample clusters), thus inflating the effective value of $(\bar{b}_s/\bar{b})$ to be above M_s.

It can be argued that this effective value, taking into account the effect of variability in individual cluster sizes, is

$$\left(\frac{\bar{b}_s}{\bar{b}}\right)_{effective} = \frac{\bar{b}_s.(1 + cv^2(b_{i,s}))}{\bar{b}.(1 + cv^2(b_i))} = \frac{\Sigma b_{i,s}^2/\Sigma b_{i,s}}{\Sigma b_i^2/\Sigma b_i},$$

where cv is the coefficient of variation of individual cluster sizes. (For subclasses, these sizes are measured counting only the elements belonging to the subclass, but the original sample clusters, including those containing no subclass elements, are retained.) For cross-classes very well (proportionately) distributed across sample clusters, $cv(b_{i,s})$ can be expected to be close to $cv(b_i)$ for the total sample. However, for subclasses unevenly distributed and not controlled in the sample design, $cv(b_{i,s})$ tends to be larger than $cv(b_i)$, and consequently, the effective cluster size for the subclass in the above sense is inflated.

Table 9.1 provides some illustrations. The effect is found to be less marked for demographic classes such as age groups (which tend to be fairly uniformly distributed), but much more marked for socioeconomic classes, particularly for small, relatively rare groups such as women with high levels of education. As seen for the educational classes, the effect clearly increases with decreasing subclass size. The table also shows the factor, in proportion to $(1 + cv^2)$ of the cluster sizes, by which the effective $(\bar{b}_s/\bar{b})$ value is inflated above M_s.

Table 9.1 Variation in cluster sizes (number of women per PSU) for subclass: illustrations from three countries, Demographic and Health Surveys I and II

Country	Total	Subclass					
		Age group 25-34	No education	Incomplete primary	Primary completed	Secondary or higher	Currently working
Burkina Faso							
PSUs							
Total number	224	224	224	224	224	224	224
Nonempty	224	224	224	184	124	31	222
b(i)							
Mean	28.4	9.2	20.8	4.1	3.2	0.3	13.1
cv	0.53	0.56	0.68	1.05	1.46	3.22	0.64
$(1+cv^2)$ ratio	1.00	1.03	1.14	1.64	2.45	8.87	1.10
Dominican Republic							
PSUs							
Total number	226	226	226	226	226	226	226
Nonempty	226	226	226	226	226	212	226
b(i)							
Mean	19.1	5.9	2.2	10.1	6.3	3.2	6.2
cv	0.38	0.51	0.74	0.50	0.64	0.78	0.60
$(1+cv^2)$ ratio	1.00	1.10	1.35	1.09	1.23	1.41	1.19
Pakistan							
PSUs							
Total number	390	390	390	390	390	390	390
Nonempty	390	390	386	256	233	59	311
b(i)							
Mean	17.0	6.8	13.0	1.5	2.2	0.3	2.7
cv	0.39	0.47	0.59	1.06	1.29	3.25	1.05
$(1+cv^2)$ ratio	1.00	1.06	1.18	1.85	2.31	10.06	1.82

Note: PSU is primary sampling unit. The computation includes the effect of empty PSUs, which are included as zero values. $(1+cv^2)$ ratio is the ratio of the subclass to the total sample value.

Table 9.2 provides another indicator of how uniformly a subclass is distributed, namely the design effect in estimating the proportion of the population that belongs to the particular subclass. This design effect is much larger for socioeconomic classes, compared with that for the well-distributed demographic classes.

Table 9.2 Distribution of age and demographic subclasses over sample clusters, deft of subclass as a characteristic over total sample, Demographic and Health Surveys I and II

Survey and statistic	Age classes	Education classes	Currently working
DHS-I			
Average over countries	1.16	1.82	-
Variation across countires (cv)	0.13	0.17	-
DHS-II			
Average over countries	1.22	1.75	1.86
Variation across countires (cv)	0.14	0.25	0.35

9.1 MODELING SUBCLASS DEFTS

Simple and robust procedures are required to model subclass sampling errors, compared with those for the total sample as the base. Such modeling requires distinguishing between subclasses of different types and the nature of their distribution over sample clusters. Table 9.3 shows one option based on thousands of computations that fits a model of the form

$$d_s^2 \equiv \frac{deft_s^2 - 1}{deft_s - 1} = M_s^{\alpha} ,$$

or for a weighted sample,

$$d_s^2 \equiv \frac{deft_s^2 - D_w^2}{deft - D_w^2} = M_s^{\alpha} ,$$

where α is a parameter dependent on how the subclass is distributed over the sample clusters, to be determined from actual computation of subclass sampling errors (Verma et al., 1980). It is expected to be in the range of 0-1, the higher value corresponding to well-distributed cross-classes, and the value declining as the subclass becomes less well distributed across sample clusters. For each variable or group of variables, the model is fitted with estimates for country by subclass as data points. For the well-distributed age classes, the value ($\alpha = 0.85$) is closer to 1.0, compared with that for socioeconomic subclasses ($\alpha = 0.70$). There is some less systematic variation across variables (cv = 0.15). We find that defts for subclass differences also fit well into this model, by taking "subclass size" for a difference as something like half the harmonic mean of the subclass sizes in the pair (Verma, 1982). In the present computations, we actually found the best fit by taking this "size" as 0.57, the harmonic mean.

Table 9.3 Modeling of defts for subclass and subclass differences, Demographic and Health Surveys I and II

	Age classes		Socioeconomic classes and differences	
Subclass	Alpha	Number of statistics	Alpha	Number of statistics
Using modern method	0.83	218	0.72	218
Age at marriage	0.85	273	0.70	326
Ideal family size	1.01	322	0.71	362
Births in last 5 years	0.79	279	0.64	325
Children ever born	0.66	189	0.58	228
All woman variables	0.85	1,281	0.67	1,459
Mother received tetanus	0.97	272	0.85	290
Had diarrhea	0.76	187	0.74	233
Immunized	0.99	128	0.82	185
Weight for height	0.62	39	0.91	32
IMR 1-4 years	0.82	99	0.59	98
All child variables	0.88	725	0.79	838
SE subclasses	-	-	0.71	1,656
SE differences[1]	-	-	0.71	641
All variables				
Mean (alpha)	0.86	2,006	0.71	2,297
cv (alpha)	0.15	-	0.14	-

Note: SE is socioeconomic.
[1] Effective subclass size for a difference defined as (slightly over) half the harmonic mean of subclasses in the pair.

The above model, although expressed here in terms of defts, can also be seen as implying modeling in terms of the subclass and total sample roh values, approximately in the form

$$\left(\frac{roh_s}{roh}\right) \approx \frac{d_s^2}{M_s} = \frac{1}{M_s^{1-\alpha}} .$$

The above implies increasing values of effective roh with decreasing size of the subclass relative to the total sample, more sharply as M_s becomes small.

Tables B.15 and B.16 give the full set of results used in the above application of the model. We hope that the data have been presented in a form that may be used by other analysts to test alternative modeling.

Table B.15 gives results computed over demographic classes, namely, seven five-year age groups and three broader 10-year age groups. Table B.16 gives results for socioeconomic subclasses and differences: four classes by the level of education, two classes by work status, and differences between two pairs of educational and a pair of work-status classes. In each of the tables, subclass defts are given for two groups of 10 main variables: (1) variables with "woman" as the unit of analysis (using modern method, age at marriage, ideal family size, births in last 5 years, and children ever born); (2) variables with "child" as the unit of analysis (mother received tetanus, had diarrhea, immunized, weight for height, and IMR 1-4 years).

The results are ordered by variable, country and subclass. Subclasses and differences are identified by a sequential code. The statistics shown include: D_w, the effect of weighting; deft for the total sample; $deft_s$ for the subclass; M_s, the ratio of the subclass sample size to the total sample size; and the ratio d_s, defined above. The objective of the table is to explore the relationship between M_s and d_s^2 or between subclass and total sample defts in some other form.

The results are based on a large number of computations but exclude certain cases such as: variables not defined or available in the country; cases with estimated proportion very close to 0 or 1.0; subclass of extremely small size (e.g., subclass n less than the number of sample clusters); and also (very) few cases where the computations gave implausible results. Note also that computations for five-year age groups in Table B.15 were made only for the 28 DHS-I countries, and those for the work-status classes were confined to DHS-II.

9.2 ALTERNATIVE MODELS

Another approach to modeling the empirical observation $d_s^2 > M_s$ is to hypothesize that the effective roh for subclasses is higher than the corresponding value for the total sample. For instance, on the basis of many computations, Kish et al. (1977) found (roh_s / roh) = 1.2 to be a good approximation on the average. We may write this sort of model approximately as $d_s^2 = k_s.M_s$.

However, although a value such as $k_s = 1.2$ may be a good average for a particular data set, it is not reasonable to assume it to be independent of subclass size. To investigate this variation, we studied the ratio $k_s = (d_s^2 / M_s)$ by subclass size category, separately by subclass type (Table 9.4). Starting with k_s near 1.0 for large M_s, it increases with decreasing M_s, sharply as M_s becomes small. The effect is more pronounced for socioeconomic compared with demographic subclasses. The values shown in the table are fitted values using a model of the form $k_s = ½.(1+M_s^{-\alpha})$, $\alpha \approx 0.6$, which fits our detailed empirical results rather well (average R^2 around 0.80).

Table 9.4 Factor by which effective roh is increased with decreasing subclass size, subclass to total sample roh (fitted values), Demographic and Health Surveys I and II

Subclass relative size		Age classes		Socioeconomic classes and differences	
		Woman variables	Child variables	Woman variables	Child variables
1	0.00-0.05	3.75	3.47	5.08	3.83
2	0.05-0.10	2.71	2.65	3.20	2.79
3	0.10-0.15	2.19	2.11	2.52	2.28
4	0.15-0.20	1.88	1.82	2.08	1.91
5	0.20-0.25	1.71	1.68	1.85	1.73
6	0.25-0.30	1.57	1.54	1.68	1.59
7	0.30-0.35	1.46	1.44	1.56	1.48
8	0.35-0.40	1.38	1.36	1.47	1.40
9	0.40-0.45	1.33	1.31	1.38	1.34
10	0.45-0.50	1.28	1.27	1.32	1.28
11	0.50-0.55	-	1.22	1.27	1.24
12	0.55-0.60	-	-	1.22	1.20
13	0.60-0.65	-	-	1.18	1.16
14	0.65-0.70	-	-	1.15	1.14
15	0.70-0.75	-	-	1.12	1.11
16	0.75-0.80	-	-	1.09	1.09
17	0.80-0.85	-	-	1.07	1.07
18	0.85-0.90	-	-	1.04	1.04
19	0.90-0.95	-	-	1.03	1.03
20	0.95-1.00	1.00	1.00	1.00	1.00
α		0.59	0.57	0.66	0.60
R^2		0.95	0.67	0.80	0.74

Model:
Computed: $g_s = d_s^2/M_s$
Fitted: $g_s = 0.5 \times (1 + M_s^{-\alpha})$

9.3 SUBCLASS DIFFERENCES

Design effects for estimates of differences between pairs of subclasses are usually lower than those for the subclasses themselves because of the covariance involved between subclass elements coming from the same clusters. Table B.17 shows the ratio (β) of deft for a difference to the average deft (avdeft) of the subclasses in the pair, based on computations for individual variables, from 48 countries and three pairs of socioeconomic subclasses (women with no education versus incomplete primary, incomplete primary versus primary completed, working versus not working). Defts and sample sizes for the subclasses in a difference are also shown. Table 9.5 summarizes the relationship between β and avdeft. The results are quite stable across countries and subclasses (overall cv around 0.08), with the estimated mean values of β varying in the range 0.9-1.0. With no clustering (avdeft = 1), we can expect $\beta = 1$; our data approximate the decrease below this value with increasing avdeft as

$$\beta = 1.0 - 0.2 \times (avdeft - 1)$$

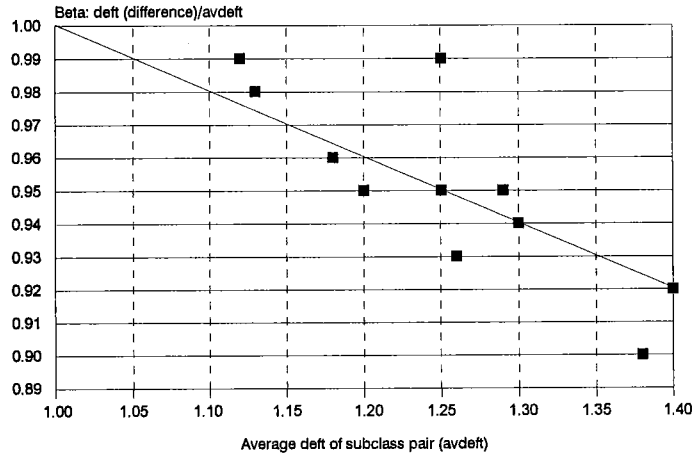
In other words, the reduction is somewhat more marked for variables with larger design effects.

Another convenient way to model defts for differences is to include them in the model for subclasses by appropriately defining the effective subclass size for the difference. As noted earlier, this is approximately half the harmonic mean of the subclass sizes in the comparison. This implies that for many subclasses of interest in practice, differences behave like classes of very small size.

With either approach, our results generally confirm that for subclass differences, deft values tend toward 1.0 with diminishing subclass size, apart from the effect of weighting, which persists undiminished, as noted earlier.

Table 9.5 Factor by which deft of a difference is lower than the average deft for subclass pair, beta versus avdeft (quantities averaged over all differences and countries), Demographic and Health Surveys I and II

Subclass	Beta		Avdeft mean
	Mean	cv	
Ideal family size	0.92	0.10	1.40
Mother received tetanus	0.90	0.10	1.38
Age at marriage	0.94	0.09	1.30
Births in last 5 years	0.95	0.08	1.29
Using modern method	0.93	0.10	1.26
All variables	**0.95**	**0.08**	**1.25**
Children ever born	0.99	0.07	1.25
Had diarrhea	0.95	0.09	1.20
Immunized	0.96	0.09	1.18
Weight for height	0.98	0.07	1.13
IMR 1-4 years	0.99	0.07	1.12
Regression through (1,1):			
Intercept	1.00		
Slope	-0.20		
R^2	0.59		



Note: IMR is infant mortality rate. Avdeft is average design effect.

10 Population Variance

To obtain the actual value of standard error from the design effect and sample size, it is necessary to have information on population variance s^2 on which the simple random sampling error depends. For proportions, it is simply ($s^2 = pq$), but for estimates of means and other ratios, separate information is required. It should be noted that this quantity not only varies by the nature of the statistic but may also vary from one subclass to another. Given the large sample sizes (in terms of numbers of women) of DHS surveys, s^2 can be estimated rather well from the survey results for different samples, domains and subclasses. The main results are summarized in Tables 10.1-10.3. It can be established that, irrespective of the complexity of the design, the following relationship holds:

$$E(s^2) = \frac{n}{n-1}.\left(\frac{N-1}{N}.S^2 - var(\bar{y})\right),$$

where S^2 is element variance in the population, and s^2 is estimated for a ratio r from the sample as noted earlier,

$$s^2 = \frac{n}{n-1}.\frac{\Sigma w_{hij}.z_{hij}^2}{\Sigma w_{hij}};\ z_{hij} = \frac{1}{\bar{x}}.(y_{hij} - r.x_{hij});\ \bar{x} = \frac{\Sigma w_{hij}.x_{hij}}{\Sigma w_{hij}},$$

where n is the sample size and the summations are taken over all elements (hij) in the sample.

For an SRS without replacement, we have the equality $E(s^2) = S^2$. Irrespective of the complexity of the design from which s^2 is estimated, the second term on the right in the above expression is of the order of ($1/n$) compared with the first, and the equality $E(s^2) = S^2$ holds approximately. Insofar as the sampling variance *(var)* is increased due to the design effect in a clustered sample, s^2 slightly underestimates S^2.

Results from detailed computations appear in Tables B.18.1-B.18.6 for the total sample and urban and rural domains, for 10 main variables. Tables B.19.1-B.19.6 give the results for a number of demographic and socioeconomic subclasses and Tables B.20.1-B.20.3 for regions within each country, both of these only for the four most important variables. The measure presented is the population coefficient of variation

$$cv = s(y_j)/\bar{y}\ .$$

The main results are summarized in Tables 10.1-10.3.

Table 10.1 Coefficient of variation (cv) of means for the total sample and urban and rural domains, Demographic and Health Surveys I and II

	Total		Urban		Rural		Ratio urban/rural cv	
Subclass	Mean cv averaged over countries	cv (cv) variation across countries	Mean cv averaged over countries	cv (cv) variation across countries	Mean cv averaged over countries	cv (cv) variation across countries	Mean cv averaged over countries	cv (cv) variation across countries
Age at marriage	0.21	0.12	0.22	0.15	0.21	0.12	1.06	0.13
Children ever born	0.96	0.18	1.02	0.18	0.91	0.16	1.11	0.08
Children born to 40-49	0.51	0.18	0.55	0.16	0.47	0.15	1.17	0.10
Births in last 5 years	1.16	0.19	1.28	0.18	1.07	0.18	1.20	0.10
Ideal family size	0.50	0.17	0.48	0.16	0.50	0.21	0.97	0.11
Births 1-4 years	1.28	0.19	1.40	0.18	1.17	0.16	1.20	0.10
Births 5-9 years	2.09	0.49	2.30	0.52	1.99	0.49	1.20	0.11
Children 0-4 years	1.20	0.17	1.31	0.17	1.13	0.15	1.19	0.11
Children 1-2 years	2.49	0.15	2.73	0.18	2.32	0.12	1.18	0.16
Children weighed	1.70	0.30	1.89	0.32	1.57	0.25	1.20	0.15
Mean	1.21	0.21	1.32	0.22	1.13	0.20	1.15	0.12

Given the large spread of ages covered in the survey (15-49), variables that are sharply age-dependent, such as current fertility or the presence of young children, show large population variation, compared with the more cumulative measures such as the number of children ever born. The population variation is still lower for variables less dependent on variations in age, such as family size preferences (ideal family size) and completed fertility (children born to 40-49). Age at marriage shows the smallest cv because typically marriages tend to be concentrated over a narrow age range. Generally urban population shows more variation (heterogeneity) than rural. There is a considerable amount of variation across countries (cv of the cvs around 0.20), while the ratios of urban-to-rural cvs are more stable (cv of the ratio around 0.10).

A very similar pattern emerges when subnational regions are examined individually, the variation across regions being only slightly larger than that across whole counties. The regional variation is naturally much smaller when the comparisons are confined to regions within the same country (last column of Table 10.2).

Table 10.2 Coefficient of variation (cv) of means for the total sample and regions, Demographic and Health Surveys I

Subclass	All regions (148)		Countries (28)		Variation across countries: cv of mean regional cv	Variation within countries: cv of regional cv
	Mean cv	cv (cv)	Mean cv	cv (cv)		
Age at marriage	0.21	0.14	0.21	0.11	0.10	0.07
Children ever born	0.93	0.18	0.94	0.17	0.17	0.06
Births in last 5 years	1.14	0.21	1.15	0.19	0.19	0.08
Ideal family size	0.48	0.21	0.50	0.18	0.18	0.09

Table 10.3 shows that although, on average, population variances over subclasses are similar to those over the total sample, the former are considerably more variable across countries as well as across different subclasses.

Table 10.3 Coefficient of variation (cv) of means for the total sample and subclass, mean and variation over countries, Demographic and Health Surveys I and II

Variable	Subclass		Mean cv	Minimum value	Maximum value	cv (cv)	Number of cases
Age at marriage	AGE1	Age 15-24	0.14	0.11	0.30	0.19	46
	AGE2	Age 25-34	0.20	0.14	0.26	0.11	48
	AGE3	Age 35-49	0.23	0.14	0.29	0.12	48
	EDUC0	No education	0.22	0.13	0.31	0.16	48
	EDUC1	Primary incompleted	0.21	0.14	0.39	0.21	48
	EDUC2	Primary completed	0.18	0.14	0.21	0.10	47
	EDUC3	Secondary or higher	0.16	0.10	0.25	0.18	44
	WORKY	Currently working	0.21	0.14	0.25	0.14	20
	WORKN	Not working	0.20	0.13	0.27	0.14	20
	All classes pooled		0.20	0.14	0.28	0.21	369
	Country (total sample)		0.21	0.14	0.28	0.12	48
Children ever born	AGE1	Age 15-24	1.42	0.80	2.48	0.29	47
	AGE2	Age 25-34	0.64	0.46	0.95	0.17	48
	AGE3	Age 35-49	0.53	0.38	0.75	0.18	48
	EDUC0	No education	0.72	0.47	1.02	0.14	48
	EDUC1	Primary incompleted	0.95	0.56	1.65	0.21	48
	EDUC2	Primary completed	1.23	0.64	2.07	0.26	48
	EDUC3	Secondary or higher	1.06	0.56	1.74	0.29	44
	WORKY	Currently working	0.92	0.68	1.40	0.21	20
	WORKN	Not working	1.14	0.70	2.43	0.31	20
	All classes pooled		0.94	0.64	1.46	0.41	371
	Country (total sample)		0.96	0.69	1.27	0.18	48
Births in last 5 years	AGE1	Age 15-24	1.38	0.78	2.44	0.30	47
	AGE2	Age 25-34	0.80	0.56	1.14	0.21	48
	AGE3	Age 35-49	1.44	0.88	2.34	0.28	48
	EDUC0	No education	1.06	0.83	1.89	0.20	47
	EDUC1	Primary incompleted	1.14	0.80	1.92	0.19	48
	EDUC2	Primary completed	1.40	0.79	2.37	0.24	47
	EDUC3	Secondary or higher	1.35	0.42	1.94	0.28	44
	WORKY	Currently working	1.18	0.84	1.81	0.26	20
	WORKN	Not working	1.26	0.86	2.48	0.27	20
	All classes pooled		1.22	0.85	1.71	0.31	369
	Country (total sample)		1.16	0.85	1.62	0.19	48
Ideal family size	AGE1	Age 15-24	0.45	0.34	0.66	0.15	47
	AGE2	Age 25-34	0.46	0.32	0.72	0.17	48
	AGE3	Age 35-49	0.52	0.34	0.81	0.21	48
	EDUC0	No education	0.53	0.35	0.88	0.25	48
	EDUC1	Primary incompleted	0.48	0.31	0.86	0.22	48
	EDUC2	Primary completed	0.41	0.29	0.57	0.16	48
	EDUC3	Secondary or higher	0.40	0.22	0.66	0.26	43
	WORKY	Currently working	0.50	0.40	0.69	0.17	20
	WORKN	Not working	0.50	0.38	0.71	0.16	20
	All classes pooled		0.47	0.32	0.69	0.23	370
	Country (total sample)		0.50	0.35	0.77	0.17	48

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Appendix A

Sample Designs

Table A.1 Sample characteristics for countries in Sub-Saharan Africa, Asia/Near East/North Africa, Latin America/Caribbean, Demographic and Health Surveys

Country	Date of fieldwork	Target sample size	Percent Covered	Target sample for husband/ male survey	Area sampling frame	Reporting domains	Number of sampling domains	Weights	Number of effective area stages	Number of ultimate area units selected
SUB-SAHARAN AFRICA										
DHS-I										
Botswana Population: 1.2 million 21 percent urban	1988	4,500 AW 15-49	99.7	No survey	Master sample-1987 Botswana Demographic Survey	Urban Rural	2 Urban/Rural	Yes	1	Urban 78 Rural 78
Burundi Population: 4.9 million 5 percent urban	1987	5,000 AW 15-49	100	750 husbands	Urban: constructed frame of segments Rural: hierarchy of administrative units	Urban Rural 4 regions	2 Urban/Rural	Yes	Urban 1 Rural 1	Urban 50 Rural 100
Ghana Population: 13.6 million 34 percent urban	1988	4,500 AW 15-49	100	1,000 husbands	Master sample-1988 Ghana Living Standards Survey	Urban Rural 8 regions	1 Whole country	No	1	Urban 72 Rural 78
Kenya Population: 22.5 million 17 percent urban	1988/89	7,500 AW 15-49	95	1,000 husbands	Master sample-1987 NASSEP-II	Urban Rural 7 provinces 13 districts (1)	17 Urban; Rural areas of 15 selected districts; Other rural	Yes	1	Urban 100 Rural 353
Liberia Population: 2.2 million 38 percent urban	1986	6,000 AW 15-49	97.8	No survey	Census-1984	Urban Rural 3 counties Rest of country	3 Sinoe County; Grand Gedeh County; Rest of country	Yes	1	Urban 54 Rural 102
Mali Population: 7.6 million 21 percent urban	1987	3,600 AW 15-49	95	1,000 men 20-55	Census-1976 (after updating with data from 1985 Demographic Survey)	Urban Rural 4 regions	2 Urban/Rural	Yes	Towns 2 Communes 1 Rural 2	Urban 60 Rural 68
Nigeria (Ondo) Population: 3.3 million 40 percent urban	1986	3,600 AW 15-49	100	No survey	Census-1973 (4 LGAs) 1986 mapping materials (13 LGAs)	Urban Rural Riverine	1 Whole state	No	1	Total 90
Senegal Population: 6.9 million 40 percent urban	1986	5,000 AW 15-49	100	No survey	Master sample-1978 Enquête de Fécondité	Urban Rural 4 regions	1 Whole country	No	1	Urban 72 Rural 118

Table A.1—Continued

Country	Date of fieldwork	Target sample size	Percent Covered	Target sample for husband/ male survey	Area sampling frame	Reporting domains	Number of sampling domains	Weights	Number of effective area stages	Number of ultimate area units selected
Sudan (North)	1989/90	5,000	100	No	Census-1983	Cities	3	No	1	Urban 159
Population: 18.5 million		EMW		survey	(rural and towns)	Towns	Cities; Towns;			Rural 161
40 percent urban		15-49			Grid procedure	Rural	Rural			
Togo	1988	4,000	100	No	Census-1981	Lomé	1	No	1	Urban 66
Population: 3.3 million		AW		survey		Other urban	Whole country			Rural 87
28.9 percent urban		15-49				Rural				
Uganda	1988/89	4,000	80	No	Urban: administrative	Urban	2	Yes	Urban 1	Urban 50
Population: 15.8 million		AW		survey	list of resistance	Rural	Urban/Rural		Rural 1	Rural 156
8.7 percent urban		15-49			council ones (RC1s)	6 regions				
					Rural: administrative					
					list of subparishes					
Zimbabwe	1988/89	4,500	100	No	Master sample-1987	Urban	1	No	1	Urban 53
Population: 9.1 million		AW		survey	Revised Zimbabwe	Rural	Whole country			Rural 114
33.5 percent urban		15-49			Master Sample	Provinces (1)				
DHS-II										
Burkina Faso	1992/93	6,160	100	2,000	Master sample-1990	Ouagadougou	3	Yes	1	Urban 110
Population: 9.6 million		AW		men	Enquête Démographique	Other urban	Ouagadougou;			Rural 120
18 percent urban		15-49		18+		Rural	Other urban; Rural			
Cameroon	1991	4,200	100	1,200	Census-1987	Yaoundé/Douala	3	Yes	1	Urban 82
Population: 11.8 million		AW		husbands		Other urban	Yaoundé/Douala;			Rural 72
37.5 percent urban		15-49				Rural	Other urban; Rural			
						4 regions				
Madagascar	1992	6,000	100	No	Census-1988	Urban	2	Yes	1	Urban 85
Population: 12.3 million		AW		survey		Rural	Urban/Rural			Rural 130
17.3 percent urban		15-49				Antananarivo				
Namibia	1992	5,000	100	No	Census-1991	Northwest	3	Yes	1	Urban 53
Population: 1.4 million		AW		survey		Northeast	regions			Rural 122
32.5 percent urban		15-49				Central/South				
						Urban				
						Rural				
Niger	1992	6,000	99.4	2,000	Census-1988	Niamey	3	Yes	1	Urban 105
Population: 7.2 million		AW		husbands		Other urban	Niamey;			Rural 130
16 percent urban		15-49				Rural	Other urban; Rural			

Table A.1—Continued

Country	Date of fieldwork	Target sample size	Percent Covered	Target sample for husband/ male survey	Area sampling frame	Reporting domains	Number of sampling domains	Weights	Number of effective area stages	Number of ultimate area units selected
Nigeria Population: 88.5 million 25 percent urban	1990	10,000 AW 15-49	100	No survey	Master sample-1987 National Integrated Survey of Households	Urban Rural 4 regions	2 Urban/Rural	Yes	1	Urban 132 Rural 167
Rwanda Population: 7.2 million 5.5 percent urban	1992	6,000 AW 15-49	97	1,000 husbands	Urban: Census-1991 Rural: village list-1990	Urban Rural	2 Urban/Rural	Yes	1	Urban 51 Rural 150
Senegal Population: 7.8 million 40.4 percent urban	1992/93	6,500 AW 15-49	100	1,200 men 20+	Master sample-1991 Master Sample for Household Surveys	Urban Rural 4 regions	1 Whole country	No	1	Urban 132 Rural 126
Tanzania Population: 24.6 million 17 percent urban	1991/92	7,850 AW 15-49	100	2,000 men 15-60	Census-1988	Dar es Salaam Other urban/mainland Rural/mainland 21 regions (1)	21 regions	Yes	Urban 1 Rural 2	Urban 95 Rural 262
Zambia Population: 7.8 million 42 percent urban	1992	6,500 AW 15-49	100	No survey	Census-1990	Urban Rural Provinces	5 Urban; Rural areas of 3 selected provinces; Other rural	Yes	1	Urban 149 Rural 113
ASIA/NEAR EAST/NORTH AFRICA										
DHS-I										
Egypt Population: 48.2 million 43.7 percent urban	1988/89	10,000 EMW 15-49	98	No survey	Census-1986	Urban Rural Urban governorates Upper Egypt Lower Egypt	6 5 governorates; rest of country	Yes	Urban 2 Rural 1	Urban 216 Rural 240
Indonesia Population: 171.9 million 26.2 percent urban	1987	11,000 EMW 15-49	93.2	No survey	Master sample-1987 National Socio-economic Survey	Urban Rural 3 regions 6 provinces	8 6 provinces of Java-Bali; Outer Java-Bali I; Outer Java-Bali II	Yes	1	Urban 155 Rural 245
Morocco Population: 23.2 million 42.7 percent urban	1987	7,000 EMW 15-49	100	No survey	Master sample-1982 Enquête à Passages Répétés	Urban Rural 7 regions	1 Whole country	No	1	Urban 138 Rural 74

Table A.1—Continued

Country	Date of fieldwork	Target sample size	Percent Covered	Target sample for husband/ male survey	Area sampling frame	Reporting domains	Number of sampling domains	Weights	Number of effective area stages	Number of ultimate area units selected
Sri Lanka Population: 16.2 million 16 percent urban	1987	6,750 EMW 15-49	86	No survey	Census-1981	Colombo city Other urban Rural Estates 7 zones	7 geographic zones	Yes	1 (in rural areas of zones 3-7) 2 (in others)	Urban 115 Rural 276
Thailand Population: 54 million 17 percent urban	1987	7,000 EMW 15-49	100	No survey	Urban: list of blocks from NSO Rural: list of villages from MOI	Urban Rural Bangkok 4 regions	6 Bangkok; Provincial urban areas; Rural areas of 4 regions	Yes	Bangkok 1 Other 2	Urban 96 Rural 192
Tunisia Population: 7.7 million 58.8 percent urban	1988	5,000 EMW 15-49	100	No survey	Master sample-1986 created by the Institut National de Statistique	Urban Rural 6 regions	1 Whole country	No	1	Urban 107 Rural 49
DHS-II										
Egypt Population: 53 million 43 percent urban	1992	10,000 EMW 15-49	99	2,000 ? husbands	Census-1986	Urban Rural Urban governorates Upper Egypt Lower Egypt 21 governorates (1)	21 governorates	Yes	Urban 2 Rural 1	Urban 338 Rural 209
Indonesia Population: 182.8 million 30.9 percent urban	1991	23,000 EMW 15-49	100	No survey	Census-1990	Urban Rural 16 provinces + 1 region 6 provinces + 2 regions 27 provinces (1)	54 27 provinces (by urban/rural)	Yes	1 (2 in remote provinces)	Urban 367 Rural 810
Jordan Population: 3.5 million 73.2 percent urban	1990	6,500 EMW 15-49	100	No survey	Updated list of housing units for major cities Population projections for other localities	Large cities Other urban Rural 5 regions	8 governorates	Yes	1 (2 in large localities)	Urban 234 Rural 115
Morocco Population: 26.4 million 49.2 percent urban	1992	7,500 AW 15-49	100	1,000 men 20+	Area sample for Morocco DHS-I was used again	Urban Rural 7 regions	1 Whole country	No	1	Urban 138 Rural 74
Pakistan Population: 115 million 28 percent urban	1990/91	8,000 EMW 15-49	96	2,000 husbands	Urban: master sample-1988 Rural: Census 1981	Major cities Other urban Rural 4 provinces	8 4 provinces by urban/rural	Yes	1	Urban 225 Rural 183

Table A.1—Continued

Country	Date of fieldwork	Target sample size	Percent Covered	Target sample for husband/ male survey	Area sampling frame	Reporting domains	Number of sampling domains	Weights	Number of effective area stages	Number of ultimate area units selected
LATIN AMERICA/CARIBBEAN										
DHS-I										
Bolivia Population: 6.4 million 58 percent urban	1989	8,500 AW 15-49	99.5	No	Master sample-1988 Encuesta Nacional de Población y Vivienda	Urban/Rural 3 regions	16 8 departments by urban/rural	Yes	1	Urban 498 Rural 192
Brazil Population: 141 million 56 percent urban	1986	7,400 AW 15-44	95	No	Master sample-1985 Pesquisa Nacional por Amostra do Domicílios	Urban/Rural 6 regions	6 regions	Yes	1	Urban 262 Rural 94
Colombia Population: 28.3 million 67.2 percent urban	1986	5,000 AW 15-49	97	No	Master sample-1985 Encuesta de Cobertura del Censo	Urban/Rural 5 regions	5 regions	Yes	Urban 1 Rural 1	Urban 140 Rural 82
Dominican Republic Population: 6.7 million 52 percent urban	1986	8,000 AW 15-49	100	No	Census-1981	Urban/Rural 8 regions	8 regions	Yes	1	Urban 371 Rural 238
Ecuador Population: 10 million 51.4 percent urban	1987	5,400 AW 15-49	97	No	Census-1982	Urban/Rural 2 regions (by City/Urban/Rural)	1 Whole country	No	1	Urban 120 Rural 76
El Salvador Population: 4.8 million 64 percent urban	1985	5,000 AW 15-49	75-80	No	San Salvador: 1983 updated maps Other urban: 1979 updated maps Rural: 1979 updated list of "cantones"	Metropolitan area Other urban Rural	1 Whole country	Yes	1	Urban 126 Rural 49
Guatemala Population: 8.2 million 31 percent urban	1987	5,900 AW 15-44	98	No	Master sample-1987 Encuesta Socio-Demográfica	Urban/Rural 7 regions	1 Whole country	No	1	Urban 120 Rural 122
Mexico Population: 81.9 million 66.3 percent urban	1987	10,000 AW 15-49	100	No	Master sample-1980 created by the Dirección General de Estadística	Metropolitan areas 3 locality size classes 5 geographic zones	6 3 main metro areas; other metro areas; self-representing, non-self-representing municipalities	Yes	2	Metro 426 Other 1,040

Table A.1—Continued

Country	Date of fieldwork	Target sample size	Percent Covered	Target sample for husband/ male survey	Area sampling frame	Reporting domains	Number of sampling domains	Weights	Number of effective area stages	Number of ultimate area units selected
Peru Population: 20.2 million 68 percent urban	1986	8,000 AW 15-49	100	No	Master sample-1984 Encuesta Nacional de Nutrición y Salud	Urban/Rural 4 regions	1 Whole country	No	1	Urban 291 Rural 100
Trinidad and Tobago Population: 1.3 million 48.7 percent urban	1987	4,000 AW 15-49	100	No	Master sample-1987 Continuous Sample Survey of Population	Urban/Rural	1 Whole country	No	1	Urban 89 Rural 89
DHS-II										
Northeast Brazil Population: 42 million 65 percent urban	1991	5,500 AW 15-49	100	1200 husbands	Master sample-1989 Pesquisa Nacional por Amostra do Domicílios	Urban/Rural 9 states	18 9 states by urban/rural	Yes	1	Urban 224 Rural 137
Colombia Population: 33 million 57.7 percent urban	1990	8,600 AW 15-49	99	No	Master sample-1985 Encuesta de Cobertura del Censo	Urban/Rural 5 regions	5 regions	Yes	Urban 2 Rural 1	Urban 544 Rural 210
Dominican Republic Population: 7.5 million 60.5 percent urban	1991	8,000 AW 15-49	100	No	Santo Domingo: pre-censal material Rest of country: sample for D.R. DHS-I	Urban/Rural 8 regions	8 regions	Yes	1	Urban 242 Rural 161
Paraguay Population: 4.3 million 50 percent urban	1990	5,000 AW 15-49	98	No	Asunción and Metropolitan area: master sample Other: census-1982	Urban/Rural 4 regions	4 regions	Yes	1	G.Asunc. 78 Other 58
Peru Population: 22.5 million 70 percent urban	1991/92	12,000 AW 15-49	100	No	Precensus materials 1992	Urban/Rural 4 natural regions 13 administrative regions	13 administrative regions	Yes	Metropolitan 1 Other 2	Metropolitan 51 Other 39

Note: AW is all women. EMW is ever-married woman. LGA is Local Government Area. NSO is National Statistical Office. MOI is Ministry of Interior.

(1) For selected variables only

Table A.2 Samples achieved and response rates for Sub-Saharan Africa, Asia/Near East/North Africa, and Latin America/Caribbean, Demographic and Health Surveys I and II

	Sample achieved			Response rate		
Country	Households	Women	Husbands/ males	Households	Women	Husbands/ males
SUB-SAHARAN AFRICA						
DHS-I						
Botswana	4,471	4,368	NA	97.0	95.0	NA
Burundi	3,867	3,970	542	99.1	98.1	92.3
Ghana	4,405	4,488	943	97.8	98.1	95.0
Kenya	8,173	7,150	1,170	98.0	96.3	80.8
Liberia	5,024	5,239	NA	89.6	98.1	NA
Mali	3,047	3,200	970	98.3	99.6	99.2
Nigeria (Ondo)	3,437	4,213	NA	97.6	97.0	NA
Senegal	2,065 (a)	4,415	NA	99.7	96.5	NA
Sudan	6,891	5,860	NA	94.7	95.6	NA
Togo	3,432	3,360	NA	97.9	98.6	NA
Uganda	5,101	4,730	NA	99.6	97.4	NA
Zimbabwe	4,107	4,201	NA	94.7	94.0	NA
DHS-II						
Burkina Faso	5,143	6,354	1,845	94.4	92.8	82.7
Cameroon	3,538	3,871	814	97.0	94.3	81.6
Madagascar	5,944	6,260	NA	95.1	96.0	NA
Namibia	4,101	5,421	NA	90.9	92.7	NA
Niger	5,242	6,503	1,570	95.3	96.3	85.2
Nigeria	8,999	8,781	NA	98.1	96.5	NA
Rwanda	6,252	6,551	598	98.2	92.6	82.4
Senegal	3,258 (a)	6,310	1,436	99.0	95.0	84.8
Tanzania	8,327	9,238	1,436	97.3	95.8	88.3
Zambia	6,209	7,060	NA	96.1	97.4	NA

Table A.2—Continued

Country	Sample achieved			Response rate		
	Households	Women	Husbands/ males	Households	Women	Husbands/ males
ASIA/NEAR EAST/NORTH AFRICA						
DHS-I						
Egypt	9,805	8,911	NA	99.4	98.0	NA
Indonesia	14,150	11,844	NA	95.9	98.5	NA
Morocco	6,957	5,982	NA	99.6	98.9	NA
Sri Lanka	7,672	5,865	NA	96.3	95.1	NA
Thailand	9,045	6,775	NA	96.0	94.1	NA
Tunisia	5,648	4,184	NA	97.9	96.7	NA
DHS-II						
Egypt	10,760	9,864	2,406	98.3	98.9	81.5
Indonesia	26,858	22,909	NA	99.1	96.7	NA
Jordan	8,331	6,461	NA	97.0	96.5	NA
Morocco	6,577	9,256	1,336	99.1	89.2	63.0
Pakistan	7,193	6,611	1,354	97.2	96.3	78.0

Table A.2—Continued

Country	Sample achieved			Response rate		
	Households	Women	Husbands/ males	Households	Women	Husbands/ males
LATIN AMERICA/CARIBBEAN						
DHS-I						
Bolivia	8,439	7,923	NA	93.8	92.8	NA
Brazil	6,773	5,892	NA	79.5	87.5	NA
Colombia	4,873	5,331	NA	95.3	94.2	NA
Dominican Republic	7,157	7,649	NA	97.8	93.4	NA
Ecuador	4,578	4,713	NA	95.9	94.9	NA
El Salvador	4,924	5,207	NA	91.1	88.9	NA
Guatemala	5,459	5,160	NA	82.0	93.3	NA
Mexico	7,786	9,310	NA	88.9	96.0	NA
Peru	6,800	7,533	NA	96.4	94.6	NA
Trinidad and Togabo	4,122	3,806	NA	94.3	92.2	NA
DHS-II						
Northeast Brazil	6,064	6,222	1,266	94.5	90.9	69.7
Colombia	7,412	8,644	NA	91.4	89.7	NA
Dominican Republic	7,144	7,320	NA	87.9	89.3	NA
Paraguay	5,681	5,827	NA	96.3	94.2	NA
Peru	13,479	15,882	NA	96.9	92.6	NA

Note: NA is not applicable.

(a) Number of compounds found; a compound can have one or more households.

Appendix B

Sampling Errors

Table B.1.1.1 Estimates, their standard error, and applicable sample size for the total sample: Sub-Saharan Africa, DHS-I

	Botswana			Burundi			Ghana			Kenya			Liberia			Mali		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	20.73	0.15	2,024	19.16	0.08	2,865	17.90	0.07	3,378	17.69	0.10	4,935	17.40	0.09	3,670	15.88	0.12	2,632
Children ever born	2.58	0.05	4,368	3.02	0.05	3,970	3.17	0.05	4,488	3.67	0.06	7,150	3.12	0.05	5,239	3.96	0.06	3,200
Children born to 40-49	5.58	0.15	494	6.93	0.13	550	6.92	0.11	730	7.47	0.12	1,073	6.35	0.13	776	7.06	0.16	534
Births in last 5 years	0.74	0.02	4,368	0.99	0.02	3,970	0.93	0.02	4,488	1.01	0.02	7,150	0.99	0.02	5,239	1.07	0.02	3,200
Ideal family size	4.72	0.05	4,248	5.34	0.06	3,604	5.25	0.08	3,903	4.43	0.06	6,835	5.97	0.08	3,957	6.91	0.10	2,358
Births 1-4 years	0.57	0.01	4,368	0.76	0.02	3,970	0.73	0.02	4,488	0.80	0.02	7,150	0.73	0.02	5,239	0.79	0.02	3,200
Births 5-9 years	0.71	0.02	4,368	0.85	0.02	3,970	0.79	0.02	4,488	0.94	0.02	7,150	0.84	0.02	5,239	-	-	-
Children 0-4 years	0.71	0.02	4,368	0.89	0.02	3,970	0.82	0.02	4,488	0.93	0.02	7,150	0.82	0.01	5,239	0.90	0.02	3,200
Children 1-2 years	0.14	0.01	4,368	0.17	0.01	3,970	0.17	0.01	4,488	0.19	0.01	7,150	0.15	0.01	5,239	0.17	0.01	3,200
Children weighed	-	-	-	0.49	0.01	3,970	0.41	0.01	4,488	-	-	-	-	-	-	0.29	0.01	3,200
Proportion of women																		
Illiterate	22.4	1.3	4,368	64.2	1.7	3,970	51.7	1.9	4,488	31.3	1.6	7,150	65.9	2.1	5,239	86.7	1.0	3,200
Married	39.1	1.1	4,368	67.2	1.1	3,970	70.3	1.0	4,488	66.6	1.0	7,150	67.5	1.3	5,239	92.1	0.7	3,200
Know a method	94.8	1.6	1,734	78.5	1.4	2,612	79.4	1.6	3,156	92.4	0.8	4,778	69.8	1.6	3,604	43.2	1.6	2,938
Know a modern method	94.4	1.7	1,734	63.8	1.8	2,612	76.5	1.8	3,156	91.3	1.0	4,778	68.0	1.7	3,604	28.6	1.5	2,938
Know source for method	94.3	1.7	1,734	70.3	1.5	2,612	73.4	1.7	3,156	91.0	0.8	4,778	68.1	1.7	3,604	29.5	1.7	2,938
Ever used a method	63.0	2.0	1,734	30.1	1.3	2,612	37.0	1.4	3,156	44.9	1.4	4,778	18.8	1.4	3,604	19.0	1.1	2,938
Using any method	33.0	1.5	1,734	8.7	0.7	2,612	12.9	0.7	3,156	26.9	1.1	4,778	6.4	0.7	3,604	4.7	0.5	2,938
Using modern method	31.7	1.5	1,734	-	-	-	5.2	0.5	3,156	17.9	0.8	4,778	5.5	0.7	3,604	-	-	-
Using pill	14.8	0.8	1,734	-	-	-	-	-	-	5.2	0.4	4,778	3.3	0.5	3,604	-	-	-
Using IUD	5.6	0.7	1,734	-	-	-	-	-	-	3.7	0.3	4,778	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	4.3	0.6	1,734	-	-	-	-	-	-	4.7	0.5	4,778	-	-	-	-	-	-
Using public source	29.0	1.4	1,733	-	-	-	-	-	-	12.8	0.6	4,777	-	-	-	-	-	-
Want no more children	32.7	1.3	1,734	23.6	1.1	2612	22.8	1.1	3,156	49.4	1.2	4,778	17.1	0.9	3,604	16.5	0.8	2,938
Want to delay next birth	29.2	1.5	1,734	52.9	1.3	2612	44.9	1.1	3,156	26.4	0.9	4,778	33.4	1.0	3,604	32.4	1.1	2,938
Proportion of children																		
Dead	7.2	0.4	10,670	19.7	0.6	11,891	17.1	0.5	14,217	10.6	0.5	25,122	24.9	0.6	16,461	31.2	0.8	12,398
IMR 1-4 years	36.0	4.0	2,408	73.0	6.0	2,957	77.0	6.0	3,272	61.0	4.0	5,578	146.0	7.0	3,810	98.0	6.0	2,505
IMR 5-9 years	39.0	4.0	2,993	99.0	5.0	3,295	86.0	5.0	3,554	57.0	4.0	1,187	162.0	7.0	4,444	-	-	-
Mother received tetanus	82.9	1.2	3,111	58.1	2.2	3,849	68.5	1.7	4,155	87.0	0.7	7,024	42.5	1.0	5,173	18.0	1.4	3,359
Medically delivered	76.0	1.6	3,111	18.8	1.8	3,849	39.5	2.1	4,155	49.1	1.9	7,024	34.6	1.4	5,173	18.2	1.3	3,359
Had diarrhea	9.7	0.9	2,972	17.1	0.7	3,444	26.0	1.0	3,700	12.5	0.4	6,493	-	-	-	34.0	1.4	2,858
Given ORS	46.4	2.7	285	29.8	2.9	599	33.5	2.2	961	21.1	1.8	798	-	-	-	-	-	-
Have health card	73.5	2.1	586	61.7	2.8	645	40.0	2.5	774	60.0	1.7	1,301	41.5	2.4	772	14.0	1.8	543
Immunized	88.8	2.1	417	59.6	3.0	400	48.1	3.6	309	72.9	2.5	767	22.2	3.9	320	13.8	3.5	81
Weight for height	-	-	-	5.7	0.6	1,876	8.0	0.7	1,843	-	-	-	-	-	-	11.3	1.4	977
Height for age	-	-	-	48.1	1.4	1,876	30.0	1.1	1,843	-	-	-	-	-	-	24.3	1.4	977
Weight for age	-	-	-	38.3	1.2	1,876	30.7	1.1	1,843	-	-	-	-	-	-	31.0	2.0	977

Table B.1.1.1—Continued

Variable	Nigeria (Ondo) Estimate	Standard error	Applicable sample size	Senegal Estimate	Standard error	Applicable sample size	Sudan Estimate	Standard error	Applicable sample size	Togo Estimate	Standard error	Applicable sample size	Uganda Estimate	Standard error	Applicable sample size	Zimbabwe Estimate	Standard error	Applicabl sample size
Mean per woman																		
Age at marriage	19.26	0.11	2,832	16.65	0.08	3,160	17.09	0.08	5480	17.89	0.08	2,424	16.97	0.07	3,258	18.30	0.09	2,858
Children ever born	1.45	0.04	4,213	3.26	0.05	4,415	4.40	0.05	5860	3.21	0.07	3,360	3.49	0.05	4,730	2.95	0.06	4,201
Children born to 40-49	1.76	0.03	955	7.04	0.14	571	7.41	0.10	1170	7.08	0.13	506	7.49	0.16	619	6.63	0.15	608
Births in last 5 years	0.78	0.03	4,213	0.98	0.02	4,415	1.13	0.02	5860	0.93	0.02	3,360	1.07	0.02	4,730	0.81	0.02	4,201
Ideal family size	5.73	0.07	2,559	6.82	0.08	3,910	5.84	0.08	3090	5.27	0.08	3,342	6.48	0.07	4,400	4.88	0.06	3,890
Births 1-4 years	0.61	0.02	4,213	0.77	0.02	4,415	0.89	0.01	5860	0.73	0.02	3,360	0.83	0.02	4,730	0.65	0.02	4,201
Births 5-9 years	0.58	0.02	4,213	0.90	0.02	4,415	-	-	-	0.86	0.02	3,360	0.87	0.02	4,730	0.76	0.02	4,201
Children 0-4 years	0.71	0.03	4,213	0.85	0.02	4,415	-	-	-	0.83	0.02	3,360	0.93	0.02	4,730	0.76	0.02	4,201
Children 1-2 years	0.14	0.01	4,213	0.18	0.01	4,415	0.20	0.01	5860	0.17	0.01	3,360	0.20	0.01	4,730	0.15	0.01	4,201
Children weighed	0.36	0.02	4,213	0.14	0.01	4,415	-	-	-	0.42	0.01	3,360	0.80	0.01	4,730	0.59	0.02	4,201
Proportion of women																		
Illiterate	41.6	1.9	4,213	80.3	1.2	4,415	62.6	1.4	5,860	68.6	2.1	3,360	47.1	1.5	4,730	17.4	1.2	4,201
Married	67.2	1.5	4,213	76.2	1.0	4,415	92.2	0.4	5,860	73.0	1.1	3,360	67.2	1.0	4,730	62.9	0.9	4,201
Know a method	51.1	1.7	2,832	91.5	0.8	3,365	71.4	1.4	5,400	95.8	0.6	2,454	84.0	1.1	3,055	-	-	-
Know a modern method	50.0	1.7	2,832	67.8	1.4	3,365	70.8	1.4	5,400	81.4	1.6	2,454	77.9	1.4	3,055	-	-	-
Know source for method	48.9	1.8	2,832	79.1	1.2	3,365	60.5	1.3	5,400	81.3	1.6	2,454	76.7	1.2	3,055	96.5	0.5	2,643
Ever used a method	13.0	0.9	2,832	37.9	1.6	3,365	25.2	1.1	5,400	73.5	1.2	2,454	21.5	1.2	3,055	79.0	1.0	2,643
Using any method	6.1	0.6	2,832	11.3	0.8	3,364	8.7	0.5	5,400	33.9	1.3	2,454	4.9	0.4	3,055	43.1	1.1	2,643
Using modern method	3.8	0.5	2,832	-	-	-	5.5	0.4	5,400	3.1	0.4	2,454	2.5	0.3	3,055	36.1	1.1	2,643
Using pill	-	-	-	-	-	-	3.9	0.3	5,400	-	-	-	-	-	-	31.0	1.1	2,643
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Using public source	2.9	0.4	2,832	-	-	-	3.2	0.3	5,399	-	-	-	-	-	-	23.5	1.1	2,641
Want no more children	23.3	1.1	2,832	19.0	0.8	3,365	24.9	0.7	5,400	24.8	1.1	2,454	19.4	0.8	3,055	32.7	1.2	2,643
Want to delay next birth	36.8	1.4	2,832	30.6	0.9	3,365	31.9	0.7	5,400	47.3	1.0	2,454	33.4	0.9	3,055	35.3	1.1	2,643
Proportion of children																		
Dead	9.6	0.5	6,091	23.9	0.6	14,388	14.5	0.4	25,807	18.6	0.5	10,781	19.1	0.4	16,108	9.8	0.4	12,405
IMR 1-4 years	56.0	5.0	2,547	83.0	5.0	3,403	72.0	5.0	5,237	72.0	5.0	2,443	95.0	5.0	3,859	46.0	5.0	2,748
IMR 5-9 years	59.0	4.0	2,422	95.0	5.0	3,956	-	-	-	90.0	7.0	2,884	115.0	6.0	4,044	64.0	5.0	3,209
Mother received tetanus	70.6	2.1	3,277	30.5	1.4	4,322	44.2	1.2	6,642	69.8	2.5	3,127	54.8	1.3	5,003	77.3	1.1	3,399
Medically delivered	58.1	2.8	3,277	21.8	1.3	4,322	67.4	1.5	6,642	45.5	2.7	3,127	37.8	1.7	5,003	68.3	1.7	3,399
Had diarrhea	5.1	0.5	3,010	37.3	1.1	3,737	29.8	0.7	2,213	29.1	1.0	2,793	23.9	0.9	4,334	19.4	0.8	3,202
Given ORS	-	-	-	-	-	-	28.7	1.5	604	20.4	1.8	815	13.7	1.3	1,021	-	-	-
Have health card	37.4	2.4	571	31.4	1.7	791	45.3	1.9	1,147	64.3	2.7	582	49.8	2.0	920	77.3	1.9	643
Immunized	68.5	3.6	213	22.6	3.2	248	65.5	2.4	520	-	-	-	47.5	3.0	462	87.1	1.7	497
Weight for height	6.0	0.8	1,517	5.8	0.9	628	-	-	-	5.3	0.6	1,396	-	-	-	-	-	-
Height for age	30.1	1.6	1,517	23.2	1.7	628	-	-	-	29.6	1.4	1,396	44.4	0.9	3,709	29.0	1.4	2,486
Weight for age	26.2	1.4	1,517	22.0	1.8	628	-	-	-	24.4	1.4	1,396	23.3	0.9	16,108	11.6	1.0	2,486

Table B.1.1.2 Estimates, their standard error, and applicable sample size for the total sample: Sub-Saharan Africa, DHS-II

	Burkina Faso			Cameroon			Madagascar			Namibia			Niger			Nigeria		
		Standard	Applicable sample		Standard	Applicable sample		Standard	Applicable sample		Standard	Applicable sample		Standard	Applicable sample		Standard	Applicable sample
Variable	Estimate	error	size	Estimate	error	size	Estimate	error	size	Estimate	error	size	Estimate	error	size	Estimate	error	size
Mean per woman																		
Age at marriage	17.19	0.06	4,710	16.52	0.13	2,646	18.04	0.09	4,104	21.92	0.16	2,602	14.71	0.05	4,851	16.86	0.13	6,421
Children ever born	3.50	0.05	6,354	3.19	0.06	3,871	3.20	0.04	6,260	2.44	0.04	5,421	3.85	0.06	6,503	3.31	0.05	8,781
Children born to 40-49	7.43	0.11	874	6.25	0.19	526	6.75	0.13	877	5.71	0.11	855	7.50	0.16	881	6.49	0.14	1,429
Births in last 5 years	0.99	0.02	6,354	0.89	0.02	3,871	0.90	0.02	6,260	0.70	0.02	5,421	1.09	0.02	6,503	0.92	0.02	8,781
Ideal family size	5.74	0.07	4,968	6.82	0.12	3,520	5.52	0.07	5,892	5.01	0.07	4,992	8.23	0.09	5,611	5.82	0.08	3,752
Births 1-4 years	0.79	0.01	6,354	0.71	0.01	3,871	0.71	0.01	6,260	0.55	0.01	5,421	0.87	0.02	6,503	0.73	0.02	8,781
Births 5-9 years	0.17	0.01	6,354	0.06	0.00	3,871	0.10	0.01	6,260	0.08	0.01	5,421	0.08	0.00	6,503	0.09	0.00	8,781
Children 0-4 years	0.86	0.01	6,354	0.82	0.02	3,871	0.79	0.01	6,260	0.66	0.02	5,421	0.86	0.02	6,503	0.80	0.02	8,781
Children 1-2 years	0.17	0.01	6,354	0.17	0.01	3,871	0.17	0.01	6,260	0.15	0.01	5,421	0.17	0.01	6,503	0.16	0.01	8,781
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women																		
Illiterate	88.5	0.8	6,354	47.1	2.4	3,871	30.4	1.4	6,260	21.7	1.7	5,421	93.9	0.7	6,503	63.7	2.4	8,781
Married	83.8	0.7	6,354	74.1	1.1	3,871	59.7	0.8	6,260	41.7	1.0	5,421	85.5	0.5	6,503	78.4	1.1	8,781
Know a method	82.1	1.3	5,096	69.6	2.0	2,737	66.6	1.3	3,630	90.4	1.0	2,297	77.3	1.2	5,232	43.6	1.7	6,696
Know a modern method	63.3	1.7	5,096	62.9	2.0	2,737	61.7	1.3	3,630	90.3	1.0	2,297	58.0	1.5	5,232	41.2	1.7	6,696
Know source for method	30.3	1.5	5,096	50.1	2.0	2,737	49.6	1.5	3,630	82.1	1.3	2,297	33.1	1.7	5,232	31.9	1.8	6,696
Ever used a method	58.4	1.5	5,096	40.3	2.1	2,737	28.5	1.1	3,630	51.9	1.7	2,297	11.4	0.7	5,232	14.0	1.1	6,696
Using any method	24.9	1.1	5,096	16.1	1.0	2,737	16.7	0.8	3,630	28.9	1.5	2,297	4.4	0.3	5,232	6.0	0.6	6,694
Using modern method	4.2	0.3	5,096	4.3	0.4	2,737	5.1	0.4	3,630	26.0	1.5	2,297	-	-	-	3.5	0.3	6,696
Using pill	-	-	-	-	-	-	-	-	-	8.3	0.7	2,297	-	-	-	-	-	-
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	7.4	0.9	2,297	-	-	-	-	-	-
Using public source	65.4	2.6	378	30.6	4.7	151	37.7	3.1	257	79.2	3.0	542	95.3	1.8	256	42.6	2.8	344
Want no more children	18.8	0.9	5,096	12.4	0.8	2,737	39.6	1.1	3,630	25.8	1.2	2,297	8.9	0.5	5,232	15.1	0.6	6,696
Want to delay next birth	44.3	0.9	5,096	34.6	1.3	2,737	29.9	0.9	3,630	29.7	1.1	2,297	45.1	1.0	5,232	32.8	0.8	6,696
Proportion of children																		
Dead	23.0	0.5	20,655	17.6	0.7	11,612	18.6	0.5	18,931	10.2	0.4	13,372	31.9	0.7	23,841	20.7	0.7	28,123
IMR 1-4 years	92.0	5.0	4,622	62.0	5.0	2,652	92.0	5.0	4,106	56.0	5.0	3,036	125.0	6.0	5,416	87.0	5.0	6,197
IMR 5-9 years	100.0	9.0	989	76.0	17.0	224	104.0	14.0	556	60.0	11.0	459	106.0	16.0	503	87.0	13.0	749
Mother received tetanus	62.1	1.7	5,770	69.2	1.8	3,321	58.7	1.6	5,199	61.0	1.2	3,872	23.1	1.7	6,800	53.6	2.8	7,816
Medically delivered	41.4	2.5	5,770	63.8	2.1	3,321	57.0	2.7	5,199	68.2	1.2	3,872	14.9	1.2	6,800	30.8	2.0	7,816
Had diarrhea	20.3	0.7	5,063	17.7	1.1	3,037	12.4	0.6	4,615	20.6	0.9	3,603	27.9	1.0	5,527	17.9	0.8	6,784
Given ORS	12.0	1.4	1,008	18.0	2.1	506	14.2	1.6	564	63.5	1.9	834	10.4	1.1	1,410	11.6	1.3	1,117
Have health card	72.7	1.9	1,022	52.1	2.5	644	59.1	2.3	987	70.2	1.8	796	35.3	2.5	1,082	34.7	2.0	1,337
Immunized	34.7	1.9	1,022	40.6	3.2	644	43.5	2.4	987	58.1	2.0	796	17.4	1.5	1,082	17.7	1.7	1,337
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.1.2—Continued

Variable	Rwanda Estimate	Rwanda Standard error	Rwanda Applicable sample size	Senegal Estimate	Senegal Standard error	Senegal Applicable sample size	Tanzania Estimate	Tanzania Standard error	Tanzania Applicable sample size	Zambia Estimate	Zambia Standard error	Zambia Applicable sample size
Mean per woman												
Age at marriage	19.55	0.08	4,238	16.60	0.06	4,296	17.82	0.07	6,267	17.30	0.05	4,693
Children ever born	3.07	0.05	6,551	3.30	0.04	6,310	3.11	0.04	9,238	3.11	0.04	7,060
Children born to 40-49	7.74	0.09	973	7.14	0.10	960	6.92	0.11	1,456	7.69	0.11	901
Births in last 5 years	0.86	0.02	6,551	0.88	0.02	6,310	0.87	0.01	9,238	0.88	0.01	7,060
Ideal family size	4.24	0.03	6,437	5.87	0.06	5,261	6.05	0.06	7,957	5.79	0.04	6,636
Births 1-4 years	0.69	0.01	6,551	0.71	0.01	6,310	0.69	0.01	9,238	0.68	0.01	7,060
Births 5-9 years	0.11	0.00	6,551	0.17	0.01	6,310	0.14	0.01	9,238	-	-	-
Children 0-4 years	0.76	0.02	6,551	0.80	0.01	6,310	0.78	0.01	9,238	0.76	0.01	7,060
Children 1-2 years	0.15	0.01	6,551	0.15	0.01	6,310	0.18	0.01	9,238	0.16	0.01	7,060
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women												
Illiterate	39.9	1.2	6,551	77.8	0.9	6,310	39.1	1.1	9,238	34.4	1.1	7,060
Married	57.8	0.9	6,551	71.4	0.7	6,310	65.4	0.9	9,238	63.1	0.7	7,060
Know a method	-	-	-	75.0	1.2	4,505	80.2	1.1	6,091	93.7	0.5	4,467
Know a modern method	-	-	-	70.3	1.2	4,505	77.6	1.2	6,091	90.7	0.6	4,467
Know source for method	91.9	0.7	3,698	41.6	1.3	4,505	71.4	1.2	6,091	87.5	0.7	4,467
Ever used a method	42.4	1.4	3,698	16.8	0.8	4,505	25.6	1.0	6,091	49.2	1.2	4,467
Using any method	21.2	1.0	3,698	7.4	0.4	4,505	10.4	0.5	6,091	15.0	0.8	4,459
Using modern method	12.9	0.9	3,698	4.8	0.4	4,505	6.6	0.5	6,091	8.9	0.6	4,459
Using pill	3.0	0.4	3,698				3.4	0.4	6,091	4.3	0.4	4,459
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	-	-	-
Using public source	96.8	1.0	503	63.6	3.2	214	75.4	3.0	355	53.7	3.0	385
Want no more children	36.0	0.9	3,698	19.7	0.7	4,505	21.4	0.6	6,091	22.0	0.7	4,467
Want to delay next birth	42.4	0.9	3,698	38.8	0.8	4,505	41.6	0.8	6,091	40.4	0.9	4,467
Proportion of children												
Dead	19.9	0.5	19,440	19.3	0.4	20,815	17.1	0.5	29,143	17.3	0.4	22,122
IMR 1-4 years	81.0	5.0	4,382	70.0	4.0	4,468	93.0	6.0	6,379	100.0	5.0	4,821
IMR 5-9 years	67.0	10.0	714	69.0	7.0	1,062	95.0	13.0	1,277	114.0	24.0	157
Mother received tetanus	89.3	0.7	5,459	70.2	1.5	5,581	89.4	0.6	8,057	80.9	1.0	6,232
Medically delivered	25.8	1.2	5,459	47.3	1.7	5,581	53.1	1.9	8,057	52.1	1.4	6,232
Had diarrhea	21.8	0.7	4,858	20.6	0.7	5,062	13.1	0.6	7,207	22.8	0.7	5,330
Given ORS	27.5	1.6	1,058	6.6	0.8	1,042	57.4	2.2	934	52.9	1.6	1,207
Have health card	87.8	1.2	981	64.4	2.1	959	78.1	1.6	1,617	75.7	1.6	1,134
Immunized	87.2	1.4	981	49.1	2.2	959	71.1	1.7	1,617	67.1	1.8	1,134
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.1.3 Estimates, their standard error, and applicable sample size for the total sample: Asia/Near East/North Africa, DHS-I

	Egypt			Indonesia			Morocco			Sri Lanka			Thailand			Tunisia		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	18.24	0.12	8,492	17.00	0.09	11,336	17.67	0.08	5,668	20.89	0.09	5,725	19.69	0.08	6,467	20.22	0.10	4,119
Children ever born	4.02	0.05	8,911	3.40	0.04	11,884	4.27	0.05	5,982	3.01	0.03	5,865	2.75	0.04	6,775	3.94	0.06	4,184
Children born to 40-49	6.06	0.09	2,248	5.47	0.09	2,945	7.14	0.11	1,460	4.63	0.07	1,559	4.66	0.09	1,652	6.15	0.13	1,011
Births in last 5 years	0.98	0.02	8,911	0.70	0.01	11,884	1.03	0.02	5,982	0.69	0.01	5,865	0.55	0.01	6,775	1.08	0.02	4,184
Ideal family size	2.90	0.03	7,426	3.22	0.04	10,538	3.66	0.05	4,392	3.05	0.02	5,441	2.80	0.03	6,727	3.48	0.05	3,893
Births 1-4 years	0.78	0.01	8,911	0.57	0.01	11,884	0.81	0.02	5,982	0.55	0.01	5,865	0.44	0.01	6,775	0.86	0.02	4,184
Births 5-9 years	0.90	0.02	8,911	0.79	0.01	11,884	-	-	-	0.73	0.01	5,865	0.61	0.02	6,775	-	-	-
Children 0-4 years	0.90	0.01	8,911	0.65	0.01	11,884	0.95	0.02	5,982	0.67	0.01	5,865	0.53	0.01	6,775	-	-	-
Children 1-2 years	0.17	0.00	8,911	0.12	0.00	11,884	0.19	0.01	5,982	0.13	0.00	5,865	0.11	0.00	6,775	0.20	0.01	4,184
Children weighed	0.21	0.01	8,911	-	-	-	0.73	0.02	5,982	0.34	0.01	5,865	0.27	0.01	6,775	0.48	0.01	4,184
Proportion of women																		
Illiterate	68.2	1.6	8,911	30.8	1.3	11,884	84.7	1.0	5,982	16.8	0.9	5,865	13.3	1.1	6,775	60.7	1.5	4,184
Married	92.3	0.4	8,911	91.8	0.3	11,884	91.1	0.4	5,982	92.8	0.4	5,865	92.0	0.4	6,775	95.9	0.3	4,184
Know a method	-	-	-	94.6	0.7	10,919	-	-	-	-	-	-	-	-	-	-	-	-
Know a modern method	-	-	-	94.2	0.7	10,919	97.5	0.5	5,447	-	-	-	-	-	-	-	-	-
Know source for method	95.9	0.4	8,219	92.7	0.7	10,919	94.4	0.8	5,447	-	-	-	-	-	-	96.8	0.5	4,012
Ever used a method	59.5	1.5	8,219	65.0	1.1	10,919	58.9	1.8	5,447	73.9	0.7	5,449	83.6	0.8	6,226	68.2	1.6	4,012
Using any method	37.8	1.2	8,219	47.8	1.0	10,918	35.9	1.4	5,441	61.7	0.8	5,449	65.5	0.9	6,226	49.8	1.4	4,012
Using modern method	35.5	1.2	8,219	43.9	1.1	10,918	29.0	1.2	5,441	40.6	0.8	5,449	63.6	1.0	6,226	40.4	1.3	4,012
Using pill	15.3	0.7	8,219	16.1	0.8	10,918	22.9	1.0	5,441	4.1	0.3	5,449	18.6	0.8	6,226	8.8	0.7	4,012
Using IUD	15.8	0.8	8,219	13.2	0.8	10,918	2.9	0.3	5,441	-	-	-	6.9	0.7	6,226	17.0	0.8	4,012
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	3.1	0.3	10,918	-	-	-	24.9	0.8	5,449	22.8	1.0	6,226	11.5	0.6	4,012
Using public source	9.2	0.6	8,218	26.5	1.0	10,907	12.1	0.6	5,429	31.8	0.8	5,417	51.0	1.0	6,214	30.9	1.1	4,012
Want no more children	60.5	0.8	8,219	48.1	0.8	10,919	45.5	1.0	5,447	35.3	0.8	5,449	37.3	1.0	6,226	45.9	1.0	4,012
Want to delay next birth	11.9	0.4	8,219	26.8	0.6	10,919	21.5	0.7	5,447	18.4	0.6	5,449	17.3	0.6	6,226	21.3	0.7	4,012
Proportion of children																		
Dead	18.1	0.4	35,715	14.5	0.4	40,400	14.8	0.5	25,517	5.7	0.2	17,630	8.1	0.4	17,733	10.8	0.4	16,463
IMR 1-4 years	75.0	4.0	6,916	68.0	5.0	6,769	70.0	4.0	4,859	25.0	3.0	2,762	37.0	5.0	1,971	49.0	4.0	3,592
IMR 5-9 years	112.0	5.0	3,506	78.0	4.0	9,385	88.0	5.0	2,447	40.0	3.0	4,302	40.0	4.0	3,951	63.0	5.0	2,305
Mother received tetanus	11.3	0.8	8,705	-	-	-	-	-	-	84.5	0.8	4,039	63.9	1.6	3,657	32.6	1.3	4,497
Medically delivered	34.2	1.7	8,705	35.5	1.8	8,363	25.6	1.4	6,165	85.5	1.1	4,039	64.4	2.2	3,657	68.0	2.3	4,497
Had diarrhea	-	-	-	-	-	-	28.4	0.9	2,228	5.9	0.4	3,930	15.3	0.9	3,528	20.5	1.0	2,322
Given ORS	-	-	-	-	-	-	14.7	1.2	606	29.0	3.1	191	37.5	2.6	500	-	-	-
Have health card	61.1	1.3	1,534	-	-	-	49.1	2.7	1,113	81.6	1.6	771	36.1	2.5	744	77.2	1.8	842
Immunized	34.4	2.3	937	-	-	-	70.7	3.2	546	68.4	2.1	629	49.3	3.7	297	84.4	1.4	650
Weight for height	-	-	-	-	-	-	2.9	0.4	2,375	11.7	0.8	1,986	5.4	0.8	1,820	3.0	0.4	1,995
Height for age	30.9	1.3	1,900	-	-	-	25.1	1.1	4,350	27.5	1.3	1,986	22.4	1.2	1,820	18.2	1.2	1,995
Weight for age	13.4	0.8	1,900	-	-	-	12.3	0.8	4,350	38.0	1.3	1,986	25.8	1.5	1,820	10.4	0.8	1,995

Table B.1.1.4 Estimates, their standard error, and applicable sample size for the total sample: Asia/Near East/NorthAfrica, DHS-II

	Egypt			Indonesia			Jordan			Morocco			Pakistan		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman															
Age at marriage	18.84	24.84	9,422	17.46	0.05	21,908	18.91	0.06	6,105	18.82	0.07	5,370	18.16	0.08	6,167
Children ever born	19.84	25.84	9,864	3.12	0.02	22,909	5.09	0.06	6,461	2.45	0.04	9,256	4.06	0.06	6,611
Children born to 40-49	20.84	26.84	2,510	4.99	0.06	5,415	8.31	0.10	1,623	6.53	0.11	1,412	6.49	0.10	1,440
Births in last 5 years	21.84	27.84	9,864	0.63	0.01	22,909	1.27	0.02	6,461	0.56	0.01	9,256	0.97	0.02	6,611
Ideal family size	22.84	28.84	7,959	3.10	0.02	19,342	4.43	0.04	4,323	3.82	0.05	5,408	4.06	0.05	2,625
Births 1-4 years	23.84	29.84	9,864	0.51	0.01	22,909	-	-	-	0.46	0.01	9,256	0.75	0.02	6,611
Births 5-9 years	0.17	0.01	9,864	0.06	0.00	22,909	0.21	0.01	6,461	0.13	0.01	9,256	-	-	-
Children 0-4 years	0.81	0.01	9,864	0.58	0.01	22,909	-	-	-	0.52	0.01	9,256	0.87	0.02	6,611
Children 1-2 years	0.16	0.01	9,864	0.12	0.00	22,909	0.25	0.01	6,461	0.11	0.00	9,256	0.18	0.01	6,611
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women															
Illiterate	59.7	1.2	9,864	27.4	0.7	22,909	25.5	0.9	6,461	67.6	1.2	9,256	79.9	1.5	6,611
Married	92.8	0.3	9,864	92.1	0.3	22,909	95.5	0.3	6,461	55.3	0.7	9,256	96.3	0.3	6,611
Know a method	-	-	-	94.6	0.4	21,187	-	-	-	-	-	-	77.9	1.2	6,393
Know a modern method	-	-	-	94.4	0.4	21,187	-	-	-	-	-	-	77.2	1.2	6,393
Know source for method	92.9	0.5	9,148	92.9	0.4	21,187	94.8	0.4	6,181	93.9	0.8	5,118	46.3	1.1	6,393
Ever used a method	66.9	0.9	9,148	69.3	0.6	21,187	64.9	0.9	6,181	66.2	1.6	5,118	20.7	0.8	6,393
Using any method	47.1	0.9	9,148	49.7	0.7	21,187	40.0	0.8	6,181	41.5	1.3	5,118	11.8	0.6	6,393
Using modern method	44.8	0.9	9,148	47.1	0.7	21,187	26.9	0.7	6,181	35.5	1.2	5,118	9.0	0.5	6,393
Using pill	12.9	0.5	9,148	14.8	0.4	21,187	4.6	0.3	6,181	28.1	1.1	5,118	-	-	-
Using IUD	27.9	0.6	9,148	13.3	0.5	21,187	15.3	0.6	6,181	3.2	0.3	5,118	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	2.7	0.3	6,393
Sterilized	-	-	-	2.7	0.2	21,187	5.6	0.3	6,181	3.0	0.3	5,118	3.5	0.3	6,393
Using public source	35.0	1.1	3,985	79.2	0.7	9,609	54.3	1.4	1,575	62.6	2.1	1,819	55.7	2.8	655
Want no more children	65.6	0.6	9,148	50.4	0.6	21,187	47.1	0.7	6,181	49.0	0.9	5,118	36.4	1.0	6,393
Want to delay next birth	15.9	0.5	9,148	25.1	0.4	21,187	24.8	0.6	6,181	24.2	0.9	5,118	17.6	0.8	6,393
Proportion of children															
Dead	15.2	0.3	38,076	13.3	0.3	74,329	5.7	0.2	32,812	12.5	0.3	22,657	13.3	0.4	27,369
IMR 1-4 years	63.0	3.0	7,205	68.0	4.0	12,610	34.0	3.0	6,726	57.0	4.0	4,209	91	6	4,963
IMR 5-9 years	57.0	7.0	1,636	53.0	9.0	1,495	-	-	-	56.0	7.0	1,221	-	-	-
Mother received tetanus	57.3	0.9	8,692	57.2	1.0	15,568	43.0	0.8	8,282	53.8	0.8	5,138	29.8	1.1	6,352
Medically delivered	40.6	1.3	8,692	95.3	0.3	15,568	87.2	0.8	8,282	30.9	1.7	5,138	-	-	-
Had diarrhea	13.4	0.5	8,067	11.1	0.4	14,393	8.5	0.4	7,986	12.7	0.6	4,796	14.5	0.7	5,828
Given ORS	29.0	1.6	1,119	43.2	1.8	1,407	41.7	2.0	672	14.0	1.7	609	38.8	2.6	781
Have health card	55.2	1.7	1,563	35.2	1.4	2,915	64.0	1.5	1,642	65.4	2.6	985	29.6	2.0	1,187
Immunized	69.2	1.6	1,563	48.3	1.4	2,915	14.9	1.1	1,642	75.7	2.7	985	36.7	1.9	1,187
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.1.5 Estimates, their standard error, and applicable sample size for the total sample: LatinAmerica/Caribbean, DHS-I

	Boliva			Brazil			Colombia			Dominican Republic			Ecuador			El Salvador		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	19.80	0.08	5,204	20.16	0.08	3,680	19.64	0.13	3,166	18.08	0.08	4,916	19.34	0.09	3,051	18.78	0.07	3,502
Children ever born	2.79	0.04	7,923	2.03	0.04	5,892	2.18	0.07	5,329	2.40	0.05	7,645	2.51	0.05	4,713	1.27	0.03	5,207
Children born to 40-49	5.64	0.11	1,376	4.65	0.15	647	5.46	0.17	814	6.20	0.13	1,114	5.67	0.15	687	1.25	0.03	842
Births in last 5 years	0.74	0.02	7,923	0.60	0.02	5,892	0.51	0.02	5,329	0.59	0.02	7,645	0.65	0.02	4,713	0.68	0.02	5,207
Ideal family size	2.60	0.03	7,699	2.79	0.03	5,818	2.72	0.03	5,221	3.35	0.03	7,641	3.04	0.05	4,570	3.60	0.07	5,040
Births 1-4 years	0.58	0.01	7,923	0.48	0.01	5,892	0.42	0.02	5,329	0.46	0.01	7,645	0.51	0.01	4,713	0.53	0.02	5,207
Births 5-9 years	0.74	0.02	7,923	0.56	0.02	5,892	0.51	0.02	5,329	0.54	0.01	7,645	0.65	0.02	4,713	0.46	0.01	5,207
Children 0-4 years	0.66	0.01	7,923	0.56	0.02	5,892	0.49	0.02	5,329	0.54	0.01	7,645	0.61	0.02	4,713	0.63	0.02	5,207
Children 1-2 years	0.14	0.01	7,923	0.10	0.00	5,892	0.10	0.01	5,329	0.11	0.01	7,645	0.12	0.01	4,713	0.11	0.01	5,207
Children weighed	0.32	0.01	7,923	0.19	0.01	5,892	0.25	0.01	5,329	0.24	0.01	7,645	-	-	-	-	-	-
Proportion of women																		
Illiterate	23.0	1.0	7,923	12.1	0.7	5,892	7.6	0.8	5,329	13.6	0.5	7,645	10.2	1.0	4,713	75.6	3.7	5,207
Married	62.4	0.8	7,923	58.9	0.9	5,892	53.5	1.1	5,329	54.1	0.8	7,645	62.7	0.9	4,713	60.8	0.9	5,207
Know a method	75.0	1.0	4,895	-	-	-	-	-	-	-	-	-	90.5	1.2	2,957	93.1	0.8	3,110
Know a modern method	67.5	1.2	4,895	-	-	-	-	-	-	-	-	-	90.0	1.3	2,957	93.1	0.8	3,110
Know source for method	70.3	1.1	4,895	-	-	-	-	-	-	-	-	-	88.1	1.3	2,957	89.6	0.9	3,110
Ever used a method	45.8	1.0	4,895	86.3	0.8	3,465	83.0	0.9	2,848	73.0	0.9	4,333	62.9	1.5	2,957	60.6	1.8	3,110
Using any method	30.3	0.9	4,895	66.2	1.1	3,465	64.8	1.2	2,848	49.8	1.0	4,333	44.3	1.3	2,957	47.3	1.5	3,110
Using modern method	12.2	0.6	4,895	56.5	1.1	3,465	52.4	1.2	2,848	46.5	0.9	4,333	35.8	1.2	2,957	44.5	1.4	3,110
Using pill	-	-	-	25.2	0.9	3,465	16.4	0.8	2,848	8.8	0.5	4,333	8.5	0.6	2,957	6.6	0.6	3,110
Using IUD	4.8	0.4	4,895	-	-	-	11.0	0.6	2,848	3.0	0.4	4,333	9.8	0.7	2,957	3.3	0.4	3,110
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	4.4	0.3	4,895	26.8	1.0	3,465	18.3	0.9	2,848	32.9	0.9	4,333	14.9	0.7	2,957	31.8	1.1	3,110
Using public source	3.6	0.3	4,894	16.2	0.8	3,465	8.7	0.7	2,841	20.9	0.8	4,333	16.6	0.7	2,948	33.8	1.3	3,109
Want no more children	67.8	0.9	4,895	37.8	1.0	3,465	51.1	1.1	2,848	30.4	0.9	4,333	48.3	0.9	2,957	30.3	0.8	3,110
Want to delay next birth	9.2	0.5	4,895	16.2	0.8	3,465	14.7	0.7	2,848	16.0	0.6	4,333	19.3	0.8	2,957	21.1	0.8	3,110
Proportion of children																		
Dead	16.7	0.4	21,586	10.8	0.5	11,955	7.6	0.5	11,606	11.4	0.3	18,804	12.0	0.5	11,835	8.0	0.3	6,455
IMR 1-4 years	78.0	6.0	4,474	72.0	6.0	2,819	32.0	4.0	2,212	68.0	5.0	3,619	54.0	5.0	2,382	69	7	2,662
IMR 5-9 years	100.0	5.0	5,758	93.0	7.0	3,284	44.0	6.0	2,717	71.0	5.0	4,272	73.0	6.0	3,081	78	5	2,324
Mother received tetanus	19.8	0.8	5,672	39.7	1.5	3,531	38.0	1.5	2,724	85.8	0.6	4,571	37.8	1.7	3,069	46.8	1.4	3,416
Medically delivered	41.5	1.4	5,672	-	-	-	69.6	2.5	2,724	88.3	0.7	4,571	60.7	2.0	3,069	83.9	1.6	3,416
Had diarrhea	27.7	0.8	5,117	16.5	0.8	3,272	18.4	0.9	2,636	24.7	0.9	4,226	-	-	-	35.5	1.0	3,168
Given ORS	26.2	1.7	1,418	8.9	1.6	537	42.2	2.5	484	37.6	1.8	1,038	-	-	-	26.3	1.8	1,122
Have health card	23.4	1.5	1,058	71.4	2.2	568	53.7	2.3	553	18.0	1.8	874	-	-	-	74.6	2.4	581
Immunized	33.3	3.5	252	60.4	2.8	406	65.3	3.2	297	3.0	1.7	101	-	-	-	47.8	2.5	435
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	38.2	1.4	2,483	29.9	2.1	1,135	25.4	1.6	1,318	20.8	1.3	1,851	-	-	-	-	-	-
Weight for age	13.3	0.9	2,483	12.5	1.3	1,135	12.0	1.2	1,318	12.6	0.9	1,851	-	-	-	-	-	-

Table B.1.1.5—Continued

Variable	Guatemala Estimate	Standard error	Applicable sample size	Mexico Estimate	Standard error	Applicable sample size	Peru Estimate	Standard error	Applicable sample size	Trinidad and Tobago Estimate	Standard error	Applicable sample size
Mean per woman												
Age at marriage	18.15	0.08	3,468	19.18	0.09	5,695	19.73	0.09	3,098	19.12	0.08	2,758
Children ever born	2.85	0.04	5,160	2.54	0.05	9,310	2.66	0.04	4,999	2.06	0.04	3,806
Children born to 40-49	5.87	0.14	497	5.85	0.16	1,487	6.01	0.12	882	4.33	0.11	649
Births in last 5 years	0.90	0.02	5,160	0.62	0.02	9,310	0.63	0.01	4,999	0.51	0.02	3,806
Ideal family size	3.81	0.06	4,327	3.00	0.04	8,887	2.64	0.03	4,849	2.91	0.03	3,744
Births 1-4 years	0.71	0.02	5,160	0.48	0.01	9,310	0.51	0.01	4,999	0.42	0.01	3,806
Births 5-9 years	0.84	0.02	5,160	0.59	0.02	9,310	0.64	0.02	4,999	0.48	0.01	3,806
Children 0-4 years	0.82	0.02	5,160	0.58	0.02	9,310	0.57	0.01	4,999	0.50	0.02	3,806
Children 1-2 years	0.17	0.01	5,160	0.11	0.01	9,310	0.11	0.00	4,999	0.10	0.01	3,806
Children weighed	0.43	0.01	5,160	-	-	-	-	-	-	0.22	0.01	3,806
Proportion of women												
Illiterate	41.3	1.5	5,160	15.3	1.2	9,310	18.2	1.3	4,999	3.4	0.7	3,806
Married	65.4	0.8	5,160	60.8	0.9	9,310	58.0	0.8	4,999	68.8	0.8	3,806
Know a method	71.9	1.6	3,377	93.4	1.1	5,450	89.1	0.7	2,900	-	-	-
Know a modern method	71.7	1.6	3,377	93.2	1.1	5,450	86.6	0.8	2,900	-	-	-
Know source for method	66.2	1.7	3,377	-	-	-	85.7	0.8	2,900	-	-	-
Ever used a method	34.0	1.5	3,377	70.2	1.6	5,450	65.1	1.3	2,900	83.1	0.8	2,617
Using any method	23.2	1.1	3,377	52.7	1.4	5,450	45.8	1.1	2,900	52.7	1.1	2,617
Using modern method	19.0	1.0	3,377	44.6	1.2	5,450	23.0	1.0	2,900	44.4	1.2	2,617
Using pill	3.9	0.4	3,377	9.8	0.5	5,450	6.5	0.7	2,900	14.0	0.8	2,617
Using IUD	-	-	-	10.2	0.7	5,450	7.3	0.6	2,900	4.4	0.5	2,617
Using condom	-	-	-	-	-	-	-	-	-	11.8	0.6	2,617
Sterilized	10.3	0.7	3,377	18.7	0.8	5,450	6.1	0.5	2,900	8.2	0.6	2,617
Using public source	6.0	0.6	3,377	27.6	1.0	5,445	9.9	0.7	2,900	16.9	0.8	2,615
Want no more children	35.4	1.1	3,377	42.6	1.1	5,450	63.9	1.1	2,900	46.8	1.0	2,617
Want to delay next birth	26.9	0.9	3,377	13.4	0.6	5,450	13.1	0.8	2,900	20.1	0.9	2,617
Proportion of children												
Dead	13.5	0.5	14,697	9.4	0.4	23,242	13.9	0.4	13,289	4.8	0.3	7,837
IMR 1-4 years	73.0	5.0	3,655	47.0	4.0	4,393	78.0	6.0	2,539	30.0	5.0	1,583
IMR 5-9 years	86.0	6.0	4,315	64.0	5.0	5,355	81.0	5.0	3,212	32.0	5.0	1,808
Mother received tetanus	13.5	0.9	4,643	-	-	-	15.1	0.9	3,157	30.4	1.4	1,956
Medically delivered	28.9	1.7	4,643	67.5	2.1	5,633	48.3	1.8	3,157	96.3	0.4	1,956
Had diarrhea	16.5	0.7	4,239	22.1	0.9	5,337	31.7	0.9	2,860	6.0	0.6	1,897
Given ORS	13.5	1.4	699	4.4	0.6	1,165	3.6	0.9	905	53.1	5.7	113
Have health card	54.8	2.1	849	-	-	-	42.6	2.6	539	80.7	2.2	385
Immunized	27.5	2.4	466	-	-	-	45.9	3.6	230	-	-	-
Weight for height	-	-	-	-	-	-	-	-	-	3.8	0.6	840
Height for age	57.9	1.5	2,231	-	-	-	-	-	-	4.8	0.7	840
Weight for age	33.5	1.2	2,231	-	-	-	-	-	-	6.9	0.8	840

Table B.1.1.6 Estimates, their standard error, and applicable sample size for the total sample: Latin America/Caribbean, DHS-II

	Northeast Brazil			Colombia			Dominican Republic			Paraguay			Peru		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman															
Age at marriage	19.65	0.09	3,792	19.95	0.09	5,307	18.66	0.11	4,862	20.26	0.10	3,734	20.08	0.06	9,795
Children ever born	2.64	0.06	6,223	1.97	0.06	8,644	2.15	0.04	7,320	2.48	0.05	5,827	2.26	0.03	15,882
Children born to 40-49	5.58	0.14	1,202	4.79	0.23	1,321	5.00	0.14	1,110	5.25	0.13	1,040	5.11	0.07	2,703
Births in last 5 years	0.55	0.02	6,223	0.44	0.01	8,644	0.52	0.02	7,320	0.68	0.02	5,827	0.53	0.01	15,882
Ideal family size	2.68	0.05	6,101	2.58	0.03	8,566	3.08	0.02	7,154	3.87	0.04	5,212	2.47	0.01	15,576
Births 1-4 years	0.45	0.02	6,223	0.35	0.01	8,644	0.42	0.01	7,320	0.55	0.01	5,827	0.43	0.01	15,882
Births 5-9 years	0.09	0.00	6,223	0.04	0.00	8,644	0.06	0.00	7,320	0.07	0.00	5,827	0.10	0.00	15,882
Children 0-4 years	0.51	0.02	6,223	0.43	0.01	8,644	0.50	0.01	7,320	0.65	0.01	5,827	0.50	0.01	15,882
Children 1-2 years	0.09	0.01	6,223	0.09	0.00	8,644	0.11	0.01	7,320	0.14	0.01	5,827	0.10	0.00	15,882
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women															
Illiterate	-	-	-	12.5	1.1	8,644	34.3	2.8	7,320	10.2	0.9	5,827	15.4	0.8	15,882
Married	56.9	1.0	6,223	52.4	0.9	8,644	55.8	1.0	7,320	61.3	0.8	5,827	55.0	0.5	15,882
Know a method	-	-	-	-	-	-	-	-	-	-	-	-	96.9	0.3	9,141
Know a modern method	-	-	-	-	-	-	-	-	-	96.3	0.3	3,634	94.5	0.4	9,141
Know source for method	93.5	0.7	3,427	-	-	-	97.1	0.5	4,226	90.2	0.6	3,634	90.7	0.4	9,141
Ever used a method	77.7	1.2	3,427	86.0	0.8	4,542	78.5	1.1	4,226	69.4	1.0	3,634	82.9	0.5	9,141
Using any method	59.2	1.2	3,427	66.1	1.1	4,542	56.4	1.3	4,226	48.4	1.0	3,634	59.0	0.6	9,141
Using modern method	53.7	1.2	3,427	54.6	1.2	4,542	51.7	1.2	4,226	35.2	1.0	3,634	32.8	0.6	9,141
Using pill	13.3	0.9	3,427	14.1	0.7	4,542	9.8	0.5	4,226	13.6	0.7	3,634	5.7	0.3	9,141
Using IUD	-	-	-	12.4	0.7	4,542	-	-	-	5.7	0.4	3,634	13.4	0.4	9,141
Using condom	-	-	-	2.9	0.4	4,542	-	-	-	2.6	0.3	3,634	2.8	0.2	9,141
Sterilized	37.7	1.2	3,427	20.9	1.0	4,542	38.5	1.1	4,226	7.4	0.5	3,634	7.9	0.3	9,141
Using public source	58.3	1.7	1,901	32.2	1.5	2,552	32.1	1.6	2,160	19.3	1.3	1,204	50.5	1.0	2,852
Want no more children	34.1	1.2	3,427	42.6	1.0	4,542	25.8	1.1	4,226	36.3	0.9	3,634	64.4	0.6	9,141
Want to delay next birth	14.6	0.7	3,427	15.7	0.7	4,542	17.0	1.0	4,226	26.1	0.7	3,634	12.8	0.4	9,141
Proportion of children															
Dead	14.8	0.6	15,365	5.9	0.4	15,976	8.6	0.4	17,168	5.9	0.3	15,346	11.5	0.3	38,783
IMR 1-4 years	68.0	8.0	2,580	-	-	-	45.0	5.0	3,288	36.0	3.0	3,395	51.0	3.0	7,489
IMR 5-9 years	84.0	14.0	557	-	-	-	42.0	12.0	465	37.0	10.0	399	66.0	7.0	1,639
Mother received tetanus	49.3	1.8	3,134	55.5	1.4	3,729	91.4	0.8	4,129	84.4	1.0	4,208	35.3	0.8	9,289
Medically delivered	79.6	1.7	3,134	70.9	1.7	3,729	92.5	1.1	4,129	36.9	1.4	4,208	52.5	0.9	9,289
Had diarrhea	15.1	1.3	2,913	12.5	0.8	3,633	16.6	1.0	3,913	8.1	0.6	4,049	18.4	0.6	8,634
Given ORS	3.4	1.1	413	31.1	4.5	444	25.2	2.2	671	24.1	3.1	340	25.5	1.4	1,687
Have health card	-	-	-	59.3	2.6	762	61.3	2.4	853	51.3	2.1	835	51.0	1.4	1,642
Immunized	60.7	3.0	573	68.4	2.2	762	36.7	2.3	853	34.2	1.8	835	60.0	1.5	1,642
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.2.1 Estimates, their standard error, and applicable sample size for the urban sample: Sub-Saharan Africa, DHS-I

	Botswana			Burundi			Ghana			Kenya			Liberia			Mali		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per women																		
Age at marriage	20.97	0.15	1,075	18.52	0.20	449	18.16	0.10	1,075	18.58	0.16	1,196	17.73	0.13	1,156	16.48	0.30	1,026
Children ever born	2.13	0.06	2,258	2.81	0.10	637	2.68	0.08	1,549	2.32	0.08	1,917	2.88	0.10	1,785	3.53	0.08	1,283
Children born to 40-49	4.97	0.22	201	6.03	0.30	88	6.19	0.20	244	5.07	0.28	153	6.59	0.23	178	7.05	0.22	168
Births in last 5 years	0.65	0.03	2,258	0.86	0.03	637	0.75	0.03	1,549	0.81	0.03	1,917	0.96	0.04	1,785	0.97	0.03	1,283
Ideal family size	4.39	0.06	2,204	4.18	0.07	616	4.72	0.07	1,392	3.74	0.05	1,846	5.31	0.11	1,369	5.62	0.16	910
Births 1-4 years	0.52	0.02	2,258	0.66	0.03	637	0.59	0.02	1,549	0.63	0.03	1,917	0.71	0.03	1,785	0.75	0.02	1,283
Births 5-9 years	0.63	0.02	2,258	0.71	0.04	637	0.64	0.02	1,549	0.62	0.02	1,917	0.79	0.03	1,785	-	-	-
Children 0-4 years	0.62	0.03	2,258	0.74	0.03	637	0.68	0.02	1,549	0.74	0.03	1,917	0.80	0.03	1,785	0.86	0.03	1,283
Children 1-2 years	0.13	0.01	2,258	0.14	0.01	637	0.14	0.01	1,549	0.15	0.01	1,917	0.15	0.01	1,785	0.18	0.01	1,283
Children weighed	-	-	-	0.38	0.02	637	0.35	0.02	1,549	-	-	-	-	-	-	0.37	0.02	1,283
Proportion of women																		
Illiterate	10.2	1.1	2,258	22.8	2.0	637	37.3	2.2	1,549	14.8	1.5	1,917	55.4	2.7	1,785	63.8	2.0	1,283
Married	41.1	1.7	2,258	55.9	2.2	637	63.0	1.3	1,549	60.5	2.2	1,917	61.6	2.2	1,785	88.9	1.3	1,283
Know a method	-	-	-	94.7	1.2	356	88.8	1.1	976	95.7	0.6	1,160	74.0	2.8	1,094	68.9	2.4	1,147
Know a modern method	-	-	-	93.0	1.4	356	87.4	1.2	976	95.2	0.6	1,160	72.8	3.0	1,094	58.3	2.5	1,147
Know source for method	-	-	-	91.6	1.9	356	83.8	1.4	976	94.7	0.7	1,160	72.9	3.0	1,094	61.7	2.7	1,147
Ever used a method	72.1	2.3	927	57.3	3.0	356	47.8	1.9	976	51.5	2.1	1,160	25.2	2.4	1,094	27.2	2.1	1,147
Using any method	41.6	2.4	927	26.1	2.8	356	19.6	0.9	976	30.5	2.0	1,160	9.5	1.3	1,094	12.1	1.2	1,147
Using modern method	40.8	2.5	927	14.3	2.6	356	8.1	0.7	976	25.5	1.9	1,160	7.9	1.2	1,094	5.0	0.5	1,147
Using pill	19.6	1.4	927	3.1	0.8	356	2.9	0.5	976	9.8	0.9	1,160	5.3	0.9	1,094	3.5	0.5	1,145
Using IUD	9.3	1.3	927	5.6	1.8	356	-	-	-	8.0	1.2	1,160	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	4.7	0.7	927	-	-	-	-	-	-	3.6	0.6	1,160	-	-	-	-	-	-
Using public source	35.4	2.2	926	11.8	2.1	356	3.0	0.5	974	16.6	1.5	1,159	-	-	-	3.9	0.6	1,147
Want no more children	31.5	1.7	927	39.3	2.3	356	27.6	1.5	976	39.6	1.6	1,160	17.4	1.2	1094	18.8	1.6	1,147
Want to delay next birth	32.5	1.6	927	42.7	2.4	356	39.9	1.5	976	31.7	1.8	1,160	39.0	1.9	1094	35.2	1.7	1,147
Proportion of children																		
Dead	6.8	0.4	4,819	15.8	0.9	1789	14.9	0.7	4,145	9.2	0.7	4,451.27	23.0	0.9	5,143	21.7	0.8	4,526
IMR 1-4 years	29.0	5.0	1,170	94.0	9.0	417	55.0	9.0	909	63.0	7.0	1,213.46	130.0	12.0	1,274	64.0	9.0	958
IMR 5-9 years	45.0	6.0	1,427	60.0	9.0	452	69.0	9.0	991	50.0	6.0	1,186.62	149.0	9.0	1,405	-	-	-
Mother received tetanus	83.9	1.5	1,459	89.2	1.4	546	79.5	1.7	1,163	90.6	1.0	1,545.10	45.9	1.1	1,708	54.3	2.7	1,248
Medically delivered	92.2	1.0	1,459	83.5	1.8	546	68.8	3.2	1,163	76.2	2.8	1,545.10	43.6	1.9	1,708	51.9	2.2	1,248
Had diarrhea	9.5	1.0	1,400	19.8	1.7	474	26.4	1.7	1,055	10.5	0.9	1,422.41	-	-	-	32.5	1.3	1,106
Given ORS	51.9	3.9	133	54.3	4.0	94	43.7	3.5	278	20.7	4.8	149.35	-	-	-	-	-	-
Have health card	65.6	3.2	285	64.8	4.4	88	57.9	3.6	215	48.3	2.8	291.38	41.4	3.5	261	35.0	3.0	232
Immunized	93.0	1.8	187	70.2	5.0	57	57.6	5.2	125	78.7	3.1	140.74	23.1	5.2	108	19.4	4.6	81
Weight for height	-	-	-	6.6	1.5	243	6.9	1.1	541	-	-	-	-	-	-	10.3	1.3	475
Height for age	-	-	-	26.7	2.6	243	26.1	1.7	541	-	-	-	-	-	-	20.1	2.0	475
Weight for age	-	-	-	20.2	2.6	243	25.4	1.8	541	-	-	-	-	-	-	25.4	2.2	475

Table B.1.2.1—Continued

Variable	Nigeria (Ondo) Estimate	Standard error	Applicable sample size	Senegal Estimate	Standard error	Applicable sample size	Sudan Estimate	Standard error	Applicable sample size	Togo Estimate	Standard error	Applicable sample size	Uganda Estimate	Standard error	Applicable sample size	Zimbabwe Estimate	Standard error	Applicable sample size
Mean per woman																		
Age of marriage	19.25	0.18	1,155	17.48	0.13	1,210	17.57	0.14	2,198	18.65	0.16	776	18.15	0.25	565	18.67	0.27	862
Children ever born	1.48	0.07	1,683	2.82	0.08	1,862	4.29	0.08	2,308	2.46	0.10	1,201	2.60	0.14	934	2.37	0.11	1,322
Children born to 40-49	1.71	0.05	333	6.88	0.23	208	7.03	0.16	505	6.11	0.24	148	6.87	0.47	78	5.45	0.30	164
Births in last 5 years	0.82	0.05	1,683	0.84	0.03	1,862	1.05	0.03	2,308	0.73	0.03	1,201	0.91	0.05	934	0.67	0.04	1,322
Ideal family size	5.59	0.13	1,168	5.70	0.10	1,679	5.33	0.09	1,499	4.49	0.09	1,199	5.47	0.09	900	4.21	0.11	1,251
Births 1-4 years	0.63	0.04	1,683	0.67	0.03	1,862	0.84	0.02	2,308	0.57	0.02	1,201	0.70	0.04	934	0.55	0.03	1,322
Births 5-9 years	0.58	0.02	1,683	0.79	0.03	1,862	-	-	-	0.68	0.03	1,201	0.67	0.05	934	0.62	0.04	1,322
Children 0-4 years	0.76	0.04	1,683	0.74	0.03	1,862	0.96	0.02	2,308	0.65	0.03	1,201	0.79	0.04	934	0.64	0.04	1,322
Children 1-2 years	0.16	0.02	1,683	0.16	0.01	1,862	0.19	0.01	2,308	0.13	0.01	1,201	0.16	0.02	934	0.14	0.01	1,322
Children weighed	0.40	0.03	1,683	0.13	0.01	1,862	-	-	-	0.36	0.02	1,201	0.63	0.04	934	0.44	0.04	1,322
Proportion of women																		
Illiterate	35.1	2.7	1,683	61.5	2.3	1,862	44.6	2.1	2,308	51.5	2.8	1,201	17.8	1.9	934	8.5	1.7	1322
Married	68.6	2.1	1,683	63.4	1.8	1,862	90.7	0.6	2,308	62.6	1.6	1,201	53.7	2.2	934	55.4	2.1	1322
Know a method	60.7	3.5	1,154	96.3	0.7	1,181	89.6	1.3	2,094	96.5	0.8	752	95.6	0.9	502	-	-	-
Know a modern method	59.1	3.6	1,154	83.4	1.5	1,181	89.2	1.3	2,094	86.7	2.6	752	94.2	1.2	502	-	-	-
Know source for method	58.1	3.8	1,154	90.0	1.1	1,181	82.7	1.4	2,094	86.8	2.7	752	90.8	1.7	502	-	-	-
Ever used a method	18.5	1.7	1,154	41.3	2.2	1,181	43.8	2.0	2,094	70.9	1.7	752	53.8	2.9	502	83.2	1.6	732
Using any method	8.7	0.9	1,154	14.0	1.2	1,180	16.4	1.1	2,094	29.8	1.9	752	18.5	2.2	502	50.8	1.6	732
Using modern method	5.1	0.8	1,154	6.0	0.8	1,180	10.8	0.9	2,094	5.1	0.9	752	12.5	1.9	502	47.4	2.0	732
Using pill	-	-	-	3.1	0.6	1,180	7.5	0.7	2,094	-	-	-	7.2	1.5	502	38.5	2.1	732
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	0.9	732
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	0.9	732
Using public source	4.0	0.9	1,154	2.6	0.5	1,181	6.0	0.6	2,094	-	-	-	11.0	1.7	502	37.4	3.0	730
Want no more children	22.5	1.6	1,154	27.1	1.4	1,181	29.0	1.2	2,094	27.7	1.5	752	21.1	2.6	502	35.2	2.9	732
Want to delay next birth	36.7	2.1	1,154	29.0	1.1	1,181	32.6	1.2	2,094	44.4	1.8	752	37.1	2.1	502	34.2	2.2	732
Proportion of children																		
Dead	8.5	0.7	2,496	17.0	0.7	5,243	12.5	0.4	9,908	16.1	1.2	2,959	15.1	1.1	2,424	6.8	0.7	3,132
IMR 1-4 years	46.0	5.0	1,067	87.0	7.0	1,253	63.0	7.0	1,934	69.0	10.0	683	103.0	11.0	651	29.0	5.0	727
IMR 5-9 years	55.0	6.0	978	65.0	6.0	1,467	-	-	-	72.0	13.0	815	116.0	15.0	628	41.0	9.0	820
Mother received tetanus	78.0	3.8	1,372	49.0	1.7	1,562	56.0	1.7	2,419	79.2	2.9	876	74.6	1.6	850	77.2	2.2	883
Medically delivered	67.9	5.6	1,372	43.3	2.2	1,562	83.2	1.5	2,419	68.3	3.9	876	78.6	2.5	850	83.4	3.5	883
Had diarrhea	5.9	1.1	1,274	31.3	1.8	1,378	27.3	1.1	2,213	26.0	2.2	785	20.0	1.6	739	14.5	1.5	847
Given ORS	-	-	-	-	-	-	33.6	2.2	604	23.0	3.5	204	20.9	3.9	148	-	-	-
Have health card	39.7	2.7	263	53.7	2.9	298	49.9	2.8	436	59.6	4.5	161	54.9	4.8	153	67.8	3.4	180
Immunized	71.2	5.5	104	32.5	4.3	160	69.7	3.2	218	-	-	-	76.2	4.9	84	89.3	2.8	122
Weight for height	4.5	0.8	666	4.7	1.2	235	-	-	-	4.2	1.0	429	-	-	-	-	-	-
Height for age	26.7	2.0	666	20.5	2.3	235	-	-	-	23.8	2.0	429	25.6	1.8	585	20.5	4.0	586
Weight for age	22.8	1.8	666	17.1	2.5	235	-	-	-	19.1	2.2	429	12.8	1.5	585	9.2	2.3	586

Table B.1.2.2 Estimates, their standard error, and applicable sample size for the urban sample: Sub-Saharan Africa, DHS-II

	Burkina Faso			Cameroon			Madagascar			Namibia			Niger			Nigeria		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	18.06	0.08	1,858	17.10	0.28	1,424	19.53	0.13	1,376	22.75	0.26	934	15.53	0.09	1,878	18.22	0.14	2,381
Children ever born	2.63	0.07	2,741	2.79	0.09	2,186	2.34	0.06	2,282	2.19	0.07	1,891	3.33	0.06	2,696	2.75	0.07	3,530
Children born to 40-49	7.02	0.16	314	5.84	0.26	226	5.53	0.19	305	4.74	0.22	263	7.11	0.26	315	6.01	0.26	462
Births in last 5 years	0.70	0.02	2,741	0.83	0.03	2,186	0.58	0.02	2,282	0.60	0.02	1,891	0.97	0.02	2,696	0.78	0.02	3,530
Ideal family size	4.33	0.05	2,365	5.90	0.17	2,011	3.97	0.06	2,212	3.79	0.11	1,818	6.54	0.09	2,323	5.01	0.07	1,981
Births 1-4 years	0.57	0.02	2,741	0.66	0.02	2,186	0.46	0.01	2,282	0.49	0.02	1,891	0.78	0.02	2,696	0.62	0.02	3,530
Births 5-9 years	0.13	0.01	2,741	0.06	0.01	2,186	0.06	0.00	2,282	0.06	0.01	1,891	0.07	0.01	2,696	0.07	0.01	3,530
Children 0-4 years	0.63	0.02	2,741	0.77	0.03	2,186	0.53	0.02	2,282	0.57	0.02	1,891	0.85	0.02	2,696	0.70	0.02	3,530
Children 1-2 years	0.13	0.01	2,741	0.17	0.01	2,186	0.11	0.01	2,282	0.13	0.01	1,891	0.17	0.01	2,696	0.14	0.01	3,530
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women																		
Illiterate	59.0	1.8	2,741	31.1	4.8	2,186	9.4	1.2	2,282	17.2	3.5	1,891	73.1	1.6	2,696	34.0	2.4	3530
Married	71.1	1.3	2,741	67.6	2.5	2,186	51.4	1.0	2,282	42.2	1.3	1,891	70.3	1.3	2,696	67.5	1.4	3530
Know a method	95.5	0.8	1,950	79.7	4.0	1,407	91.9	1.2	1,174	95.5	1.3	811	93.1	1.2	1,855	70.4	2.0	2368
Know a modern method	93.3	0.8	1,950	76.2	4.3	1,407	89.8	1.3	1,174	95.5	1.3	811	88.6	1.4	1,855	68.5	2.0	2368
Know source for method	73.0	1.5	1,950	68.1	4.6	1,407	84.2	1.6	1,174	94.0	1.6	811	76.9	1.8	1,855	59.8	2.2	2368
Ever used a method	70.7	1.7	1,950	55.8	4.8	1,407	64.5	2.1	1,174	74.2	3.2	811	31.6	1.4	1,855	31.6	1.8	2368
Using any method	32.2	1.3	1,950	24.9	2.3	1,407	39.7	2.0	1,174	47.8	3.3	811	16.4	0.8	1,855	14.8	1.1	2367
Using modern method	17.1	1.1	1,950	7.1	0.7	1,407	15.8	1.1	1,174	46.6	3.3	811	11.5	0.9	1,855	9.6	0.7	2368
Using pill	8.3	0.7	1,950	-	-	-	4.4	0.6	1,174	14.7	1.4	811	7.5	0.7	1,855	3.1	0.4	2368
Using IUD	3.6	0.5	1,950	-	-	-	-	-	-	4.0	0.5	811	-	-	-	2.5	0.3	2368
Using condom	3.1	0.5	1,950	-	-	-	2.6	0.4	1,174	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	3.6	0.5	1,174	12.9	2.2	811	-	-	-	-	-	-
Using public source	59.8	2.8	331	24.0	4.5	118	34.9	3.2	186	74.2	3.9	355	96.6	1.3	232	44.8	3.5	258
Want no more children	24.9	1.3	1,950	14.6	1.5	1,407	49.0	2.0	1,174	32.0	2.0	811	14.5	0.9	1,855	20.1	1.1	2368
Want to delay next birth	40.6	1.5	1,950	33.8	1.6	1,407	21.8	1.3	1,174	23.7	1.5	811	41.9	1.2	1,855	33.0	1.5	2368
Proportion of children																		
Dead	16.8	0.6	7,232	14.4	0.7	5730	14.9	0.6	5,345	9.7	0.7	4,141	21.7	0.7	8,760	14.4	1.0	9,496
IMR 1-4 years	63.0	6.0	1,552	63.0	7.0	1385	63.0	9.0	1,038	56.0	10.0	938	76.0	7.0	2,037	70.0	7.0	2,153
IMR 5-9 years	75.0	14.0	360	-	-	-	66.0	21.0	137	54.0	17.0	122	115.0	24.0	177	45.0	14.0	242
Mother received tetanus	88.8	0.9	1,913	81.6	3.4	1742	69.9	1.6	1,324	54.6	1.8	1,163	75.3	1.5	2,553	76.9	1.8	2,739
Medically delivered	91.7	0.9	1,913	83.5	3.6	1742	82.9	2.2	1,324	86.1	1.6	1,163	69.9	1.8	2,553	59.3	2.7	2,739
Had diarrhea	18.7	1.1	1,729	17.0	1.8	1604	11.1	1.0	1,203	13.5	1.2	1,085	20.1	1.1	2,228	11.7	0.8	2,471
Given ORS	22.8	2.5	322	23.2	3.7	242	23.3	3.4	133	61.3	3.7	174	32.9	2.4	437	25.5	4.4	246
Have health card	81.0	1.9	352	57.5	3.3	350	65.0	2.8	240	58.9	3.3	251	78.6	2.0	448	43.9	3.1	468
Immunized	64.9	2.7	352	51.4	4.9	350	58.3	3.8	240	60.0	3.1	251	53.8	3.4	448	31.7	2.6	468
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.2.2—Continued

Variable	Rwanda			Senegal			Tanzania			Zambia		
	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman												
Age at marriage	20.34	0.12	664	17.88	0.09	1,550	18.35	0.15	1,148	17.48	0.08	2,092
Children ever born	2.24	0.09	1,158	2.67	0.06	2,635	2.58	0.11	1,838	2.79	0.05	3,358
Children born to 40-49	6.71	0.37	119	6.69	0.14	332	6.32	0.32	240	7.44	0.18	323
Births in last 5 years	0.67	0.03	1,158	0.71	0.02	2,635	0.72	0.04	1,838	0.79	0.02	3,358
Ideal family size	3.59	0.04	1,143	4.79	0.07	2,355	5.34	0.19	1,708	5.21	0.05	3,201
Births 1-4 years	0.53	0.02	1,158	0.57	0.02	2,635	0.57	0.04	1,838	0.61	0.02	3,358
Births 5-9 years	0.09	0.01	1,158	0.13	0.01	2,635	0.11	0.01	1,838	-	-	-
Children 0-4 years	0.59	0.02	1,158	0.67	0.02	2,635	0.63	0.03	1,838	0.69	0.02	3,358
Children 1-2 years	0.12	0.01	1,158	0.13	0.01	2,635	0.15	0.02	1,838	0.14	0.01	3,358
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women												
Illiterate	20.8	1.6	1,158	55.7	1.7	2,635	22.4	1.9	1,838	19.6	1.2	3,358
Married	46.9	1.1	1,158	55.1	1.1	2,635	57.2	2.5	1,838	57.5	0.9	3,358
Know a method	-	-	-	89.9	1.1	1,452	93.5	1.4	1,055	97.2	0.4	1,931
Know a modern method	-	-	-	88.4	1.2	1,452	93.0	1.5	1,055	96.5	0.5	1,931
Know source for method	92.6	1.4	543	67.8	1.7	1,452	88.0	1.8	1,055	94.5	0.6	1,931
Ever used a method	54.3	2.7	543	33.2	1.5	1,452	43.9	2.4	1,055	59.6	1.5	1,931
Using any method	28.4	2.1	543	16.1	0.9	1,452	17.8	2.0	1,055	20.6	1.2	1,926
Using modern method	19.7	2.2	543	11.8	1.0	1,452	14.0	2.0	1,055	15.3	1.1	1,926
Using pill	5.5	0.8	543	5.7	0.6	1,452	8.4	1.7	1,055	7.9	0.7	1,926
Using IUD	-	-	-	3.5	0.6	1,452	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	2.6	0.4	1,926
Sterilized	-	-	-	-	-	-	-	-	-	3.3	0.4	1,926
Using public source	88.8	3.0	107	64.5	3.5	172	84.8	4.1	144	52.7	3.2	300
Want no more children	37.9	2.2	543	25.4	1.2	1,452	25.7	1.6	1,055	24.0	1.1	1,931
Want to delay next birth	38.7	2.2	543	37.7	1.2	1,452	40.3	1.5	1,055	41.8	1.4	1,931
Proportion of children												
Dead	16.7	1.0	2,589	12.7	0.5	7,026	16.3	1.1	4,619	14.4	0.6	9,357
IMR 1-4 years	93.0	11.0	614	49.0	5.0	1,502	124.0	18.0	1,017	83.0	7.0	2,044
IMR 5-9 years	67.0	29.0	105	46.0	8.0	351	64.0	18.0	211	123.0	39.0	65
Mother received tetanus	90.1	1.2	770	87.3	0.9	1,875	92.8	1.5	1,264	86.8	0.8	2,664
Medically delivered	66.9	2.2	770	84.1	1.3	1,875	85.9	1.4	1,264	79.7	1.4	2,664
Had diarrhea	21.6	1.4	686	15.5	0.9	1,752	14.8	1.8	1,124	20.0	1.0	2,322
Given ORS	28.4	3.9	148	7.7	1.5	271	56.1	5.0	156	59.3	2.2	464
Have health card	84.6	3.2	136	72.2	2.6	342	82.4	2.9	247	76.9	2.1	476
Immunized	93.4	2.5	136	64.9	3.3	342	83.8	3.8	247	75.2	2.0	476
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.2.3 Estimates, their standard error, and applicable sample size for the urban sample: Asia/Near East/NorthAfrica, DHS-I

	Egypt			Indonesia			Morocco			Sri Lanka			Thailand			Tunisia		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	19.47	0.18	4,308	18.00	0.20	4,305	18.20	0.12	2,681	21.86	0.20	996	20.86	0.11	2,336	20.56	0.12	2,495
Children ever born	3.62	0.06	4,410	3.40	0.05	4,431	3.84	0.07	2,781	2.79	0.08	1,011	2.14	0.04	2,423	3.60	0.07	2,527
Children born to 40-49	5.33	0.11	1,230	5.39	0.13	1,087	6.42	0.16	706	4.05	0.13	314	3.58	0.11	532	5.66	0.17	626
Births in last 5 years	0.84	0.02	4,410	0.71	0.02	4,431	0.85	0.03	2,781	0.59	0.03	1,011	0.51	0.02	2,423	0.96	0.03	2,527
Ideal family size	2.69	0.04	3,916	3.22	0.06	3,942	3.35	0.05	2,288	2.84	0.06	953	2.47	0.04	2,400	3.20	0.06	2,397
Births 1-4 years	0.67	0.02	4,410	0.57	0.02	4,431	0.68	0.02	2,781	0.46	0.02	1,011	0.40	0.01	2,423	0.78	0.03	2,527
Births 5-9 years	0.80	0.02	4,410	0.77	0.02	4,431	0.88	0.03	2,781	0.66	0.04	1,011	0.48	0.02	2,423	0.91	0.03	2,527
Children 0-4 years	0.78	0.02	4,410	0.66	0.02	4,431	0.80	0.02	2,781	0.57	0.03	1,011	0.50	0.01	2,423	0.92	0.03	2,527
Children 1-2 years	0.16	0.01	4,410	0.12	0.01	4,431	0.16	0.01	2,781	0.09	0.01	1,011	0.11	0.01	2,423	0.18	0.01	2,527
Children weighed	0.19	0.01	4,410	-	-	-	0.71	0.02	2,781	0.28	0.02	1,011	0.25	0.01	2,423	0.42	0.02	2,527
Proportion of women																		
Illiterate	50.3	2.3	4,410	18.2	2.1	4,431	71.3	2.0	2,781	11.3	2.5	1,011	5.5	0.6	2,423	46.7	2.2	2,527
Married	92.9	0.4	4,410	90.8	0.6	4,431	88.6	0.7	2,781	93.6	0.8	1,011	91.1	0.6	2,423	95.7	0.5	2,527
Know a method	-	-	-	96.8	0.6	4,029	-	-	-	-	-	-	-	-	-	-	-	-
Know a modern method	-	-	-	96.5	0.7	4,029	-	-	-	-	-	-	-	-	-	-	-	-
Know source for method	-	-	-	95.4	0.8	4,029	-	-	-	-	-	-	-	-	-	-	-	-
Ever used a method	74.8	1.6	4,097	68.8	1.8	4,029	74.1	1.6	2,463	80.2	1.4	949	86.3	1.0	2,212	76.8	2.1	2,418
Using any method	50.4	1.5	4,097	52.2	1.7	4,029	49.0	1.7	2,459	65.0	2.0	949	67.8	1.1	2,212	57.9	1.8	2,418
Using modern method	47.0	1.4	4,097	46.6	1.8	4,029	39.9	1.4	2,459	41.0	1.9	949	64.7	1.2	2,212	45.7	1.7	2,418
Using pill	17.4	0.9	4,097	13.0	1.0	4,029	30.1	1.2	2,459	3.9	0.7	949	18.9	1.1	2,212	10.6	1.0	2,418
Using IUD	22.7	1.0	4,097	13.2	1.5	4,029	4.9	0.6	2,459	-	-	-	4.1	0.5	2,212	20.8	1.0	2,418
Using condom	4.0	0.4	4,097	3.5	0.5	4,029	-	-	-	3.0	0.5	949	-	-	-	-	-	-
Sterilized	-	-	-	5.2	0.6	4,029	3.5	0.4	2,459	23.6	1.5	949	27.1	1.1	2,212	11.1	0.9	2,418
Using public source	12.5	0.9	4,096	30.5	1.7	4,023	17.0	0.9	2,448	28.5	1.7	937	40.0	1.3	2,205	33.8	1.6	2,418
Want no more children	64.8	0.9	4,097	50.6	1.4	4,029	48.4	1.2	2,463	37.6	1.8	949	31.1	1.0	2,212	49.3	1.4	2,418
Want to delay next birth i		0.6	4,097	24.2	1.2	4,029	20.7	0.9	2,463	15.9	1.1	949	15.9	0.8	2,212	20.8	0.8	2,418
Proportion of children																		
Dead	14.5	0.5	15,951	12.9	0.9	15,074	12.0	0.6	10,690	5.0	0.5	2816	4.4	0.4	5,195	9.3	0.5	9,102
IMR 1-4 years	63.0	5.0	2,955	47.0	6.0	2,521	57.0	6.0	1,886	-	-	-	-	-	-	43.0	6.0	1,976
IMR 5-9 years	76.0	6.0	3,506	59.0	5.0	3,430	72.0	6.0	2,447	45.0	11.0	671	32.0	6.0	1,170	54.0	6.0	2,305
Mother received tetanus	11.7	1.0	3,687	-	-	-	-	-	-	85.9	1.9	592	61.8	1.7	1,233	34.3	1.8	2,426
Medically delivered	53.5	2.6	3,687	61.4	3.6	3,124	49.4	2.8	2,372	93.5	1.3	592	94.0	1.0	1,233	80.2	3.5	2,426
Had diarrhea	-	-	-	-	-	-	27.2	1.2	2,228	6.7	1.3	580	9.7	1.0	1,204	17.6	1.1	2,322
Given ORS	-	-	-	-	-	-	21.5	2.1	606	-	-	-	41.0	5.0	117	-	-	-
Have health card	60.4	2.3	701	-	-	-	63.9	3.3	451	84.4	3.1	91	54.4	3.1	257	80.1	2.7	452
Immunized	51.1	3.2	424	-	-	-	82.3	2.5	288	63.5	5.9	77	59.3	4.3	140	90.1	1.4	362
Weight for height	-	-	-	-	-	-	-	-	-	10.6	2.2	282	4.3	0.8	606	3.2	0.5	1,054
Height for age	25.9	2.2	851	-	-	-	20.8	1.8	1,975	19.3	2.7	282	11.2	1.4	606	13.0	1.6	1,054
Weight for age	9.1	1.0	851	-	-	-	8.5	1.0	1,975	27.1	3.4	282	11.7	1.3	606	8.0	1.1	1,054

Table B.1.2.4 Estimates, their standard error, and applicable sample size for the urban sample: Asia/Near East/NorthAfrica, DHS-II

	Egypt			Indonesia			Jordan			Morocco			Pakistan		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman															
Age at marriage	20.15	0.12	4,583	18.56	0.12	6,871	18.99	0.07	4,339	19.43	0.10	2,472	20.57	0.07	6,832
Children ever born	3.37	0.05	4,673	3.09	0.03	7,051	4.95	0.06	4,584	1.90	0.05	4,550	1.89	0.03	11,777
Children born to 40-49	4.77	0.11	1,331	4.88	0.09	1,630	8.07	0.13	1,152	5.46	0.13	657	4.44	0.07	1,963
Births in last 5 years	0.70	0.02	4,673	0.62	0.02	7,051	1.19	0.02	4,584	0.39	0.02	4,550	0.42	0.01	11,777
Ideal family size	2.64	0.02	4,089	2.98	0.03	6,284	4.37	0.05	3,259	3.26	0.04	2,490	2.41	0.01	11,617
Births 1-4 years	0.58	0.01	4,673	0.51	0.01	7,051	0.97	0.02	4,584	0.32	0.01	4,550	0.34	0.01	11,777
Births 5-9 years	0.14	0.01	4,673	0.06	0.00	7,051	0.20	0.01	4,584	0.10	0.01	4,550	0.08	0.00	11,777
Children 0-4 years	0.67	0.02	4,673	0.59	0.01	7,051	-	-	-	0.37	0.01	4,550	0.40	0.01	11,777
Children 1-2 years	0.13	0.01	4,673	0.12	0.01	7,051	0.24	0.01	4,584	0.07	0.01	4,550	0.07	0.00	11,777
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women															
Illiterate	39.5	1.6	4,673	13.5	0.9	7,051	19.9	1.1	4,584	44.7	1.9	4,550	10.9	0.8	11,777
Married	93.1	0.5	4,673	91.5	0.5	7,051	95.4	0.4	4,584	48.8	0.9	4,550	50.7	0.5	11,777
Know a method	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Know a modern method	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Know source for method	-	-	-	96.7	0.4	6,458	96.6	0.3	4,379	-	-	-	96.9	0.2	6,221
Ever used a method	78.2	0.9	4,352	75.4	0.9	6,458	69.4	1.0	4,379	80.8	1.2	2,222	89.7	0.4	6,221
Using any method	57.0	1.0	4,352	55.7	1.1	6,458	44.0	0.9	4,379	54.5	1.5	2,222	66.1	0.7	6,221
Using modern method	54.1	1.0	4,352	51.1	1.1	6,458	30.4	0.8	4,379	45.8	1.3	2,222	39.7	0.7	6,221
Using pill	14.0	0.6	4,352	13.8	0.6	6,458	5.2	0.4	4,379	33.7	1.1	2,222	6.5	0.4	6,221
Using IUD	34.6	0.9	4,352	14.2	0.7	6,458	17.3	0.7	4,379	5.7	0.5	2,222	16.7	0.5	6,221
Using condom	3.2	0.4	4,352	-	-	-	-	-	-	-	-	-	3.5	0.3	6,221
Sterilized	-	-	-	5.2	0.4	6,458	6.3	0.4	4,379	4.3	0.4	2,222	9.6	0.4	6,221
Using public source	32.3	1.5	2,299	64.6	1.3	3,251	52.6	1.5	1,294	51.5	2.1	1,017	47.7	1.1	2,400
Want no more children	69.0	0.8	4,352	52.9	0.8	6,458	47.8	0.8	4,379	52.1	1.2	2,222	60.8	0.7	6,221
Want to delay next birth	14.6	0.7	4,352	22.2	0.8	6,458	23.5	0.6	4,379	21.5	1.0	2,222	13.4	0.5	6,221
Proportion of children															
Dead	11.2	0.4	15,769	11.0	0.5	21,442	5.5	0.2	22,637	9.9	0.5	8,623	8.9	0.2	24,091
IMR 1-4 years	44.0	5.0	2,768	52.0	6.0	3,596	30.0	3.0	4,457	44.0	7.0	1,468	37.0	3.0	4,402
IMR 5-9 years	30.0	7.0	651	57.0	15.0	402	-	-	-	56.0	12.0	446	58.0	8.0	964
Mother received tetanus	56.8	1.4	3,358	70.9	1.4	4,421	44.1	0.9	5,514	56.9	1.3	1,763	41.1	0.9	5,404
Medically delivered	62.5	2.0	3,358	-	-	-	90.0	0.9	5,514	63.8	3.0	1,763	74.4	1.0	5,404
Had diarrhea	13.4	1.0	3,191	12.0	0.8	4,180	8.8	0.4	5,329	10.5	0.8	1,682	16.2	0.7	5,115
Given ORS	23.5	2.7	449	41.5	2.2	397	38.8	2.5	465	15.9	2.9	176	29.2	1.7	888
Have health card	57.3	2.3	582	42.7	2.1	876	66.0	1.7	1,098	72.8	2.5	331	51.6	1.9	958
Immunized	79.0	1.9	582	65.2	2.4	876	18.2	1.5	1,098	93.7	1.1	331	67.9	1.8	958
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.2.5 Estimates, their standard error, and applicable sample size for the urban sample: Latin America/Caribbean, DHS-I

	Bolivia			Brazil			Colombia			Dominican Republic			Ecuador			El Salvador		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	19.86	0.10	3,221	20.40	0.11	2,712	19.76	0.12	2,478	18.46	0.11	2,796	19.68	0.12	1,749	19.18	0.08	2,134
Children ever born	2.31	0.05	5,139	1.84	0.05	4,391	1.99	0.07	4,281	2.02	0.05	4,529	2.08	0.06	2,790	1.08	0.03	3,271
Children born to 40-49	4.86	0.14	805	4.11	0.16	475	5.07	0.15	601	5.37	0.16	607	4.93	0.20	391	1.11	0.03	507
Births in last 5 years	0.59	0.02	5,139	0.56	0.02	4,391	0.48	0.02	4,281	0.51	0.02	4,529	0.54	0.02	2,790	0.54	0.03	3,271
Ideal family size	2.62	0.03	5,046	2.71	0.03	4,340	2.63	0.03	4,214	3.25	0.03	4,526	2.85	0.05	2,757	3.14	0.05	3,197
Births 1-4 years	0.47	0.01	5,139	0.44	0.01	4,391	0.39	0.02	4,281	0.40	0.01	4,529	0.41	0.02	2,790	0.42	0.02	3,271
Births 5-9 years	0.62	0.02	5,139	0.50	0.02	4,391	0.47	0.02	4,281	0.46	0.02	4,529	0.52	0.02	2,790	0.39	0.01	3,271
Children 0-4 years	0.55	0.02	5,139	0.53	0.02	4,391	0.47	0.02	4,281	0.47	0.02	4,529	0.51	0.02	2,790	0.51	0.02	3,271
Children 1-2 years	0.11	0.01	5,139	0.09	0.00	4,391	0.10	0.01	4,281	0.10	0.01	4,529	0.10	0.01	2,790	0.09	0.01	3,271
Children weighed	0.27	0.01	5,139	0.14	0.01	4,391	0.23	0.01	4,281	0.21	0.01	4,529	-	-	-	-	-	-
Proportion of women																		
Illiterate	9.9	11.9	5,139	9.3	0.8	4,391	7.0	0.9	4,281	9.3	0.6	4,529	4.4	0.6	2,790	87.2	4.2	3,271
Married	10.9	12.9	5,139	57.7	1.0	4,391	51.3	1.2	4,281	50.3	1.0	4,529	59.5	1.3	2,790	56.3	1.1	3,271
Know a method	85.8	0.9	2,941	-	-	-	-	-	-	-	-	-	97.0	0.6	1,661	96.6	0.5	1,822
Know a modern method	81.3	1.0	2,941	-	-	-	-	-	-	-	-	-	96.6	0.6	1,661	96.6	0.5	1,822
Know source for method	82.1	1.0	2,941	-	-	-	-	-	-	-	-	-	95.5	0.7	1,661	94.4	0.6	1,822
Ever used a method	57.1	1.2	2,941	88.9	0.8	2,531	84.4	1.0	2,199	75.4	1.2	2,352	74.6	1.5	1,661	73.7	1.4	1,822
Using any method	38.9	1.2	2,941	69.4	1.2	2,531	67.5	1.4	2,199	52.0	1.3	2,352	53.3	1.6	1,661	58.3	1.3	1,822
Using modern method	17.8	0.8	2,941	59.5	1.1	2,531	55.6	1.4	2,199	48.7	1.3	2,352	42.9	1.5	1,661	54.4	1.4	1,822
Using pill	3.0	0.4	2,941	25.3	1.0	2,531	17.6	0.9	2,199	9.9	0.8	2,352	9.7	0.8	1,661	8.8	0.8	1,822
Using IUD	7.2	0.6	2,941	-	-	-	12.4	0.8	2,199	3.3	0.5	2,352	12.8	1.0	1,661	4.5	0.4	1,822
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	6.2	0.5	2,941	28.7	1.2	2,531	18.4	0.9	2,199	33.3	1.3	2,352	17.4	1.0	1,661	37.2	1.1	1,822
Using public source	4.5	0.4	2,940	16.1	0.9	2,531	8.0	0.8	2,193	21.2	1.2	2,352	18.5	0.9	1,657	40.5	1.4	1,822
Want no more children	64.6	1.0	2,941	35.7	1.2	2,531	51.6	1.4	2,199	28.1	1.1	2,352	45.6	1.1	1,661	29.8	1.2	1,822
Want to delay next birth	11.3	0.7	2,941	16.4	0.9	2,531	14.7	0.7	2,199	17.3	0.8	2,352	20.3	1.1	1,661	19.5	0.8	1,822
Proportion of children																		
Dead	13.2	0.5	11,851	10.0	0.6	8,062	7.0	0.4	8,502	10.7	0.5	9,144	9.1	0.5	5,789	6.5	0.5	3,536
IMR 1-4 years	62.0	6.0	2,400	60.0	6.0	1,945	30.0	5.0	1,687	67.0	7.0	1,812	44.0	6.0	1,144	51.0	7.0	1,361
IMR 5-9 years	82.0	7.0	3,160	85.0	8.0	2,196	43.0	7.0	2,004	76.0	8.0	2,079	52.0	6.0	1,442	66.0	11.0	1,282
Mother received tetanus	25.3	1.2	3,053	40.1	1.8	2,455	36.9	1.7	2,059	86.3	0.9	2,296	42.1	2.0	1,509	55.5	1.8	1,757
Medically delivered	61.5	1.7	3,053	-	-	-	73.3	3.1	2,059	93.4	0.7	2,296	83.3	2.1	1,509	91.3	1.1	1,757
Had diarrhea	27.8	1.1	2,801	15.6	0.9	2,310	16.6	1.1	1,995	25.5	1.4	2,129	-	-	-	34.9	1.0	1,658
Given ORS	27.0	2.0	779	11.7	2.3	360	42.7	3.0	331	39.3	2.4	543	-	-	-	28.9	2.2	579
Have health card	27.5	2.2	570	75.0	2.5	395	55.9	2.7	428	22.4	2.4	453	-	-	-	77.1	2.9	304
Immunized	35.1	4.2	157	70.9	2.9	296	65.2	3.5	239	4.2	2.4	101	-	-	-	49.9	3.2	235
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	31.7	1.6	1,377	28.4	2.3	593	25.0	1.8	993	15.4	1.8	960	-	-	-	-	-	-
Weight for age	10.7	1.1	1,377	11.4	1.5	593	12.4	1.1	993	9.9	1.1	960	-	-	-	-	-	-

Table B.1.2.5—Continued

Variable	Guatemala			Mexico			Peru			Trinidad and Tobago		
	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman												
Age at marriage	18.88	0.16	1,333	19.84	0.14	3,538	20.71	0.18	936	19.27	0.12	1,294
Children ever born	2.32	0.07	2,096	2.13	0.06	5,989	2.00	0.08	1,579	1.90	0.05	1,728
Children born to 40-49	4.96	0.20	203	5.07	0.20	960	4.75	0.21	259	3.77	0.13	306
Births in last 5 years	0.71	0.03	2,096	0.49	0.02	5,989	0.43	0.02	1,579	0.49	0.02	1,728
Ideal family size	3.25	0.06	1,905	2.69	0.04	5,852	2.49	0.03	1,563	2.89	0.04	1,699
Births 1-4 years	0.56	0.03	2,096	0.38	0.01	5,989	0.35	0.02	1,579	0.39	0.02	1,728
Births 5-9 years	0.68	0.03	2,096	0.47	0.02	5,989	0.49	0.03	1,579	0.44	0.02	1,728
Children 0-4 years	0.65	0.03	2,096	0.48	0.02	5,989	0.41	0.02	1,579	0.48	0.02	1,728
Children 1-2 years	0.13	0.01	2,096	0.09	0.01	5,989	0.08	0.01	1,579	0.10	0.01	1,728
Children weighed	0.35	0.02	2,096	-	-	-	-	-	-	0.20	0.01	1,728
Proportion of women												
Illiterate	24.0	2.6	2,096	8.4	1.1	5,989	6.7	1.6	1,579	3.3	1.3	1,728
Married	57.7	1.4	2,096	57.7	1.3	5,989	53.1	1.6	1,579	69.0	1.3	1,728
Know a method	86.2	3.1	1,209	-	-	-	-	-	-	-	-	-
Know a modern method	86.2	3.1	1,209	-	-	-	-	-	-	-	-	-
Know source for method	82.5	3.4	1,209	-	-	-	-	-	-	-	-	-
Ever used a method	54.5	3.1	1,209	81.5	2.0	3,297	82.6	1.3	839	84.7	1.1	1,193
Using any method	38.3	2.5	1,209	63.1	1.9	3,297	61.3	1.4	839	54.1	1.5	1,193
Using modern method	31.7	2.2	1,209	54.1	1.6	3,297	33.6	1.5	839	45.9	1.6	1,193
Using pill	7.0	1.0	1,209	10.8	0.8	3,297	9.3	1.0	839	15.7	1.1	1,193
Using IUD	3.7	0.5	1,209	13.5	1.0	3,297	14.3	1.3	839	5.4	0.8	1,193
Using condom	-	-	-	-	-	-	-	-	-	10.2	0.9	1,193
Sterilized	16.2	1.4	1,209	22.3	1.1	3,297	6.6	0.9	839	8.0	0.8	1,193
Using public source	10.2	1.3	1,209	31.7	1.3	3,293	14.1	1.1	839	13.2	1.0	1,192
Want no more children	39.7	1.8	1,209	41.1	1.5	3,297	62.2	1.8	839	43.4	1.4	1,193
Want to delay next birth	24.0	1.4	1,209	13.9	0.8	3,297	13.7	1.2	839	20.9	1.0	1,193
Proportion of children												
Dead	11.4	0.9	4,859	7.2	0.5	12,745	8.1	0.6	3,163	5.4	0.6	3,276
IMR 1-4 years	71.0	8.0	1,167	29.0	4.0	2,258	39.0	7.0	545	34.0	8.0	681
IMR 5-9 years	75.0	9.0	1,432	49.0	8.0	2,785	45.0	8.0	774	38.0	9.0	757
Mother received tetanus	16.8	1.6	1,484				19.6	1.8	674	28.8	2.2	848
Medically delivered	50.6	4.2	1,484	85.4	1.9	2,947	88.7	1.9	674	97.2	0.6	848
Had diarrhea	17.1	1.0	1,371	19.1	1.4	2,863	25.6	2.1	644	6.3	0.9	821
Given ORS	17.9	2.7	234	4.2	1.1	547	4.8	1.5	165	55.8	8.6	52
Have health card	56.1	4.0	270	-	-	-	43.2	4.4	118	76.6	3.7	171
Immunized	38.2	4.7	152	-	-	-	54.9	6.2	51	-	-	-
Weight for height	-	-	-	-	-	-	-	-	-	2.9	1.0	346
Height for age	52.1	3.0	736	-	-	-	-	-	-	4.9	1.1	346
Weight for age	28.3	2.5	736	-	-	-	-	-	-	4.9	1.2	346

Table B.1.2.6 Estimates, their standard error, and applicable sample size for the urban sample: Latin America/Caribbean, DHS-II

	Northeast Brazil			Colombia			Dominican Republic			Paraguay			Peru		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman															
Age at marriage	19.74	0.12	2,537	20.17	0.10	4,237	19.16	0.13	3,113	20.57	0.07	6,832	20.87	0.16	1,840
Children ever born	2.28	0.05	4,315	1.69	0.04	6,995	1.83	0.04	4,854	1.89	0.03	11,777	1.95	0.06	2,901
Children born to 40-49	4.95	0.16	818	4.13	0.21	1,047	4.27	0.14	682	4.44	0.07	1,963	3.87	0.16	498
Births in last 5 years	0.43	0.02	4,315	0.39	0.01	6,995	0.45	0.02	4,854	0.42	0.01	11,777	0.55	0.02	2,901
Ideal family size	2.57	0.04	4,258	2.50	0.03	6,949	2.98	0.03	4,777	2.41	0.01	11,617	3.50	0.05	2,708
Births 1-4 years	0.36	0.02	4,315	0.31	0.01	6,995	0.35	0.01	4,854	0.34	0.01	11,777	0.45	0.02	2,901
Births 5-9 years	0.08	0.01	4,315	0.03	0.00	6,995	0.05	0.00	4,854	0.08	0.00	11,777	0.05	0.00	2,901
Children 0-4 years	0.41	0.02	4,315	0.38	0.01	6,995	0.43	0.02	4,854	0.40	0.01	11,777	0.53	0.02	2,901
Children 1-2 years	0.07	0.01	4,315	0.08	0.00	6,995	0.09	0.01	4,854	0.07	0.00	11,777	0.11	0.01	2,901
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women															
Illiterate	53.1	1.2	4,315	9.2	1.1	6,995	26.0	2.9	4,854	10.9	0.8	11,777	5.8	1.0	2901
Married	-	-	-	49.9	0.9	6,995	51.3	1.1	4,854	50.7	0.5	11,777	58.7	1.2	2901
Know a method	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Know a modern method	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Know source for method	84.3	1.1	2,208	-	-	-	-	-	-	96.9	0.2	6,221	95.2	0.6	1,709
Ever used a method	65.6	1.3	2,208	88.3	0.8	3,584	84.0	1.0	2,572	89.7	0.4	6,221	81.6	1.2	1,709
Using any method	60.0	1.2	2,208	68.5	1.1	3,584	60.1	1.2	2,572	66.1	0.7	6,221	56.8	1.3	1,709
Using modern method	13.7	0.9	2,208	57.4	1.1	3,584	55.0	1.3	2,572	39.7	0.7	6,221	42.9	1.4	1,709
Using pill	-	-	-	14.2	0.9	3,584	11.1	0.7	2,572	6.5	0.4	6,221	14.4	1.1	1,709
Using IUD	-	-	-	14.3	0.8	3,584	-	-	-	16.7	0.5	6,221	8.8	0.7	1,709
Using condom	42.9	1.2	2,208	3.2	0.3	3,584	-	-	-	3.5	0.3	6,221	3.7	0.4	1,709
Sterilized	59.8	1.9	1,364	20.5	1.0	3,584	39.2	1.1	2,572	9.6	0.4	6,221	8.3	0.7	1,709
Using public source	30.3	1.4	2,208	32.0	1.5	2,074	28.7	1.9	1,388	47.7	1.1	2,400	16.7	1.4	730
Want no more children	13.9	0.8	2,208	41.0	1.1	3,584	23.0	1.3	2,572	60.8	0.7	6,221	35.6	1.4	1,709
Want to delay next birth	-	-	-	16.2	0.7	3,584	17.2	1.2	2,572	13.4	0.5	6,221	24.7	1.0	1,709
Proportion of children															
Dead	14.5	0.7	9,151	5.3	0.4	11,926	6.9	0.4	9,656	8.9	0.2	24,091	5.5	0.5	5,777
IMR 1-4 years	60.0	7.0	1,443	-	-	-	38.0	5.0	1,858	37.0	3.0	4,402	31.0	4.0	1,315
IMR 5-9 years	58.0	17.0	308	-	-	-	32.0	13.0	259	58.0	8.0	964	-	-	-
Mother received tetanus	63.7	2.2	1,764	53.9	1.5	2,803	92.9	1.1	2,373	41.1	0.9	5,404	92.0	1.1	1,630
Medically delivered	91.6	1.0	1,764	82.6	1.5	2,803	-	-	-	74.4	1.0	5,404	59.5	2.2	1,630
Had diarrhea	17.4	1.3	1,666	11.9	0.9	2,728	16.8	1.0	2,275	16.2	0.7	5,115	8.2	1.0	1,576
Given ORS	3.2	1.4	239	30.4	6.9	304	28.1	2.9	387	29.2	1.7	888	29.2	5.4	127
Have health card	-	-	-	57.4	3.1	570	59.7	2.8	476	51.6	1.9	958	55.3	2.8	320
Immunized	69.4	2.8	324	70.6	2.5	570	45.1	3.3	476	67.9	1.8	958	44.9	3.2	320
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.3.1 Estimates, their standard error, and applicable sample size for the rural sample: Sub-Saharan Africa, DHS-I

	Botswana			Burundi			Ghana			Kenya			Liberia			Mali		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	20.63	0.21	949	19.18	0.08	2,416	17.78	0.09	2,303	17.53	0.11	3,739	17.21	0.13	2,514	15.69	0.12	1,606
Children ever born	2.77	0.07	2,110	3.03	0.05	3,333	3.43	0.07	2,939	3.95	0.07	5,233	3.28	0.06	3,454	4.11	0.08	1,917
Children born to 40-49	5.74	0.18	293	6.96	0.13	462	7.28	0.13	486	7.70	0.13	920	6.25	0.15	598	7.06	0.20	366
Births in last 5 years	0.78	0.02	2,110	0.99	0.02	3,333	1.02	0.02	2,939	1.05	0.02	5,233	1.00	0.02	3,454	1.10	0.03	1,917
Ideal family size	4.86	0.07	2,044	5.40	0.06	2,988	5.55	0.12	2,511	4.57	0.08	4,989	6.42	0.12	2,588	7.31	0.11	1,448
Births 1-4 years	0.59	0.02	2,110	0.76	0.02	3,333	0.80	0.02	2,939	0.83	0.02	5,233	0.73	0.02	3,454	0.81	0.02	1,917
Births 5-9 years	0.74	0.02	2,110	0.85	0.02	3,333	0.87	0.02	2,939	-	-	-	0.88	0.02	3,454	-	-	-
Children 0-4 years	0.75	0.02	2,110	0.89	0.02	3,333	0.90	0.02	2,939	0.97	0.02	5,233	0.82	0.01	3,454	0.91	0.03	1,917
Children 1-2 years	0.14	0.01	2,110	0.17	0.01	3,333	0.19	0.01	2,939	0.19	0.01	5,233	0.15	0.01	3,454	0.16	0.01	1,917
Children weighed	-	-	-	0.49	0.01	3,333	0.44	0.01	2,939	-	-	-	-	-	-	0.26	0.02	1,917
Proportion of women																		
Illiterate	27.6	1.7	2,110	65.8	1.7	3,333	59.3	2.5	2,939	34.8	1.9	5,233	72.9	2.9	3,454	94.2	0.8	1,917
Married	38.2	1.4	2,110	67.7	1.1	3,333	74.2	1.3	2,939	67.9	1.2	5,233	71.5	1.6	3,454	93.2	0.8	1,917
Know a method	92.6	2.3	807	78.0	1.4	2,256	75.2	2.2	2,180	91.8	0.9	3,618	67.4	1.9	2,510	35.1	1.7	1,791
Know a modern method	91.9	2.4	807	62.8	1.9	2,256	71.6	2.4	2,180	90.5	1.2	3,618	65.3	2.0	2,510	19.3	1.4	1,791
Know source for method	91.8	2.4	807	69.6	1.5	2,256	68.8	2.2	2,180	90.3	1.0	3,618	65.3	2.0	2,510	19.4	1.5	1,791
Ever used a method	58.7	2.7	807	29.2	1.3	2,256	32.2	1.7	2,180	43.7	1.6	3,618	15.1	1.7	2,510	16.4	1.3	1,791
Using any method	29.0	1.9	807	8.1	0.7	2,256	9.9	0.9	2,180	26.2	1.3	3,618	4.6	0.9	2,510	-	-	-
Using modern method	27.5	1.9	807	-	-	-	3.9	0.6	2,180	16.4	0.9	3,618	4.2	0.9	2,510	-	-	-
Using pill	12.5	1.0	807	-	-	-	-	-	-	4.3	0.5	3,618	-	-	-	-	-	-
Using IUD	4.0	0.8	807	-	-	-	-	-	-	2.9	0.4	3,618	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	4.1	0.7	807	-	-	-	-	-	-	4.9	0.5	3,618	-	-	-	-	-	-
Using public source	26.0	1.8	807	-	-	-	-	-	-	12.1	0.7	3,618	-	-	-	-	-	-
Want no more children	33.2	1.7	807	23.1	1.1	2,256	20.7	1.4	2,180	51.2	1.3	3,618	16.9	1.2	2,510	15.7	1.0	1,791
Want to delay next birth	27.8	2.1	807	53.3	1.4	2,256	47.2	1.4	2,180	25.4	1.0	3,618	30.2	1.1	2,510	31.6	1.4	1,791
Proportion of children																		
Dead	7.4	0.5	5,851	19.9	0.6	10,102	18.1	0.6	10,072	10.7	0.6	20,670	26.1	0.9	11,319	33.9	1.0	7,871
IMR 1-4 years	38.0	6.0	1,239	72.0	6.0	2,540	85.0	7.0	2,363	60.0	4.0	4,364	156.0	10.0	2,535	108.0	7.0	1,547
IMR 5-9 years	36.0	5.0	1,566	100.0	6.0	2,843	92.0	6.0	2,563	-	-	-	170.0	9.0	3,040	-	-	-
Mother received tetanus	82.5	1.6	1,652	57.1	2.3	3,303	64.2	2.2	2,992	86.4	0.8	5,479	40.4	1.5	3,464	7.5	0.9	2,111
Medically delivered	70.2	2.1	1,652	16.5	1.9	3,303	28.2	2.4	2,992	44.7	2.1	5,479	28.9	1.9	3,464	8.4	1.0	2,111
Had diarrhea	9.7	1.2	1,572	17.0	0.8	2,970	25.8	1.2	2,645	12.8	0.5	5,071	-	-	-	34.5	1.7	1,752
Given ORS	44.4	3.4	152	28.9	3.0	505	29.4	2.6	682	21.1	2.0	649	-	-	-	-	-	-
Have health card	76.5	2.5	302	61.6	2.8	557	33.1	3.1	558	62.0	1.9	1,010	41.5	3.3	511	6.3	1.7	311
Immunized	87.4	2.7	231	59.2	3.1	343	41.6	5.2	185	72.1	2.8	626	21.6	5.6	212	-	-	-
Weight for height	-	-	-	5.6	0.6	1,633	8.5	0.9	1,302	-	-	-	-	-	-	11.8	1.9	502
Height for age	-	-	-	48.8	1.5	1,633	31.6	1.4	1,302	-	-	-	-	-	-	26.3	1.9	502
Weight for age	-	-	-	38.8	1.3	1,633	33.0	1.3	1,302	-	-	-	-	-	-	33.7	2.7	502

Table B.1.3.1—Continued

Variable	Nigeria (Ondo)			Senegal			Sudan			Togo			Uganda			Zimbabwe		
	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	19.26	0.14	1,677	16.14	0.09	1,950	16.77	0.09	3,282	17.53	0.09	1,648	16.85	0.07	2,693	18.13	0.07	1996
Children ever born	1.42	0.05	2,530	3.58	0.05	2,553	4.48	0.06	3,552	3.62	0.09	2,159	3.61	0.06	3,796	3.22	0.06	2879
Children born to 40-49	1.78	0.04	622	7.13	0.17	363	7.70	0.12	665	7.48	0.16	358	7.53	0.17	541	7.06	0.15	444
Births in last 5 years	0.75	0.03	2,530	1.08	0.02	2,553	1.19	0.02	3,552	1.04	0.02	2,159	1.09	0.02	3,796	0.87	0.02	2879
Ideal family size	5.85	0.08	1,391	7.66	0.09	2,231	6.32	0.11	1,591	5.70	0.11	2,143	6.62	0.07	3,500	5.20	0.06	2639
Births 1-4 years	0.59	0.03	2,530	0.84	0.01	2,553	0.93	0.02	3,552	0.82	0.02	2,159	0.85	0.02	3,796	0.70	0.02	2879
Births 5-9 years	0.57	0.02	2,530	0.98	0.02	2,553	-	-	-	0.96	0.03	2,159	0.90	0.02	3,796	0.83	0.02	2879
Children 0-4 years	0.69	0.03	2,530	0.92	0.02	2,553	-	-	-	0.93	0.02	2,159	0.95	0.02	3,796	0.82	0.02	2879
Children 1-2 years	0.12	0.01	2,530	0.19	0.01	2,553	0.20	0.01	3,552	0.20	0.01	2,159	0.20	0.01	3,796	0.16	0.01	2879
Children weighed	0.34	0.02	2,530	0.15	0.01	2,553	-	-	-	0.45	0.02	2,159	0.82	0.01	3,796	0.66	0.02	2879
Proportion of women																		
Illiterate	45.9	2.6	2,530	94.0	0.9	2,553	74.3	1.7	3,552	78.0	2.6	2159	50.8	1.7	3,796	21.5	1.7	2,879
Married	66.3	2.0	2,530	85.5	0.8	2,553	93.1	0.5	3,552	78.8	1.3	2159	68.9	1.0	3,796	66.4	0.9	2,879
Know a method	44.6	1.9	1,678	88.9	1.1	2,184	59.9	1.9	3,306	95.4	0.7	1702	82.8	1.2	2,553	-	-	-
Know a modern method	43.7	2.0	1,678	59.3	1.9	2,184	59.2	2.0	3,306	79.1	2.0	1702	76.3	1.5	2,553	97.3	0.5	1,911
Know source for method	42.6	1.9	1,678	73.2	1.6	2,184	46.5	1.7	3,306	78.9	1.9	1702	75.4	1.4	2,553	95.9	0.6	1,911
Ever used a method	9.2	1.0	1,678	36.1	2.2	2,184	13.5	1.1	3,306	74.7	1.6	1702	18.3	1.3	2,553	77.4	1.3	1,911
Using any method	4.3	0.7	1,678	9.8	1.0	2,184	3.8	0.4	3,306	35.7	1.7	1702	3.5	0.4	2,553	40.1	1.3	1,911
Using modern method	2.9	0.6	1,678	-	-	-	-	-	-	-	-	-	-	-	-	31.8	1.4	1,911
Using pill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.2	1.3	1,911
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Using public source	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.2	1.3	1911
Want no more children	23.9	1.5	1678	14.6	1.0	2184	22.2	0.9	3306	23.6	1.4	1702	19.2	0.9	2,553	31.8	1.2	1911
Want to delay next birth	36.9	1.8	1678	31.5	1.2	2184	31.4	0.9	3306	48.5	1.3	1702	33.1	1.0	2,553	35.7	1.3	1911
Proportion of children																		
Dead	10.3	0.6	3,595	27.8	0.9	9,145	15.8	0.5	15,899	19.5	0.6	7,822	19.4	0.4	13,685	10.8	0.5	9,273
IMR 1-4 years	63.0	8.0	1,480	81.0	7.0	2,150	77.0	7.0	3,303	73.0	6.0	1,760	94.0	5.0	3,208	51.0	6.0	2,021
IMR 5-9 years	61.0	6.0	1,445	113.0	7.0	2,489	-	-	-	98.0	8.0	2,068	115.0	7.0	3,416	71.0	6.0	2,390
Mother received tetanus	65.3	2.8	1,905	20.0	1.8	2,760	37.4	1.6	4,223	66.1	3.2	2,252	52.7	1.4	4,153	77.3	1.3	2,516
Medically delivered	51.1	3.2	1,905	9.6	1.4	2,760	58.3	2.2	4,223	36.7	3.2	2,252	33.6	1.9	4,153	63.1	2.0	2,516
Had diarrhea	4.4	0.5	1,736	40.8	1.4	2,359	-	-	-	30.4	1.1	2,008	24.3	0.9	3,595	21.1	0.9	2,355
Given ORS	2.6	1.7	76	-	-	-	-	-	-	19.5	2.1	610	13.1	1.4	874	-	-	-
Have health card	35.4	3.8	309	17.8	2.0	493	42.5	2.6	710	66.0	3.3	421	49.3	2.2	767	81.0	2.0	464
Immunized	66.1	4.8	109	4.5	3.7	88	62.5	3.5	302	-	-	-	44.3	3.2	378	86.4	2.1	375
Weight for height	7.2	1.3	850	6.4	1.2	393	-	-	-	5.8	0.7	967	-	-	-	-	-	-
Height for age	32.8	2.2	850	24.7	2.3	393	-	-	-	32.2	1.8	967	46.2	0.9	3,124	31.6	1.5	1,900
Weight for age	28.8	2.0	850	25.0	2.4	393	-	-	-	26.8	1.8	967	24.3	0.9	3,124	12.3	1.1	1,900

Table B.1.3.2 Estimates, their standard error, and applicable sample size for the rural sample: Sub-Saharan Africa, DHS-II

	Burkina Faso			Cameroon			Madagascar			Namibia			Niger			Nigeria		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	17.00	0.07	2,852	16.13	0.15	1222	17.72	0.10	2,728	21.37	0.21	1668	14.56	0.06	2,973	16.47	0.19	4040
Children ever born	3.72	0.05	3,613	3.48	0.10	1685	3.42	0.05	3,978	2.59	0.06	3530	3.96	0.07	3,807	3.50	0.07	5251
Children born to 40-49	7.50	0.13	560	6.42	0.25	300	7.03	0.16	572	6.23	0.12	592	7.56	0.19	566	6.61	0.16	967
Births in last 5 years	1.07	0.02	3,613	0.94	0.02	1685	0.97	0.02	3,978	0.77	0.02	3530	1.12	0.02	3,807	0.97	0.02	5251
Ideal family size	6.18	0.09	2,603	7.50	0.19	1509	5.93	0.09	3,680	5.82	0.08	3174	8.58	0.10	3,288	6.27	0.12	1771
Births 1-4 years	0.85	0.01	3,613	0.75	0.02	1685	0.77	0.02	3,978	0.59	0.02	3530	0.89	0.02	3,807	0.77	0.02	5251
Births 5-9 years	0.17	0.01	3,613	0.06	0.01	1685	0.11	0.01	3,978	0.10	0.01	3530	0.09	0.01	3,807	0.10	0.01	5251
Children 0-4 years	0.92	0.01	3,613	0.85	0.02	1685	0.86	0.02	3,978	0.71	0.02	3530	0.87	0.02	3,807	0.83	0.02	5251
Children 1-2 years	0.19	0.01	3,613	0.18	0.01	1685	0.19	0.01	3,978	0.16	0.01	3530	0.17	0.01	3,807	0.17	0.01	5251
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women																		
Illiterate	96.1	0.9	3,613	58.6	2.9	1,685	35.7	1.7	3,978	24.5	1.6	3,530	-	-	-	73.6	2.5	5,251
Married	87.1	0.8	3,613	78.8	1.1	1,685	61.7	1.0	3,978	41.3	1.3	3,530	88.7	0.6	3,807	82.0	1.2	5,251
Know a method	79.3	1.6	3,146	63.4	2.4	1,330	61.4	1.5	2,456	87.2	1.4	1,486	74.7	1.4	3,377	36.3	2.0	4,328
Know a modern method	57.1	1.9	3,146	54.7	2.4	1,330	55.8	1.5	2,456	87.1	1.4	1,486	53.0	1.8	3,377	33.7	2.0	4,328
Know source for method	21.4	1.6	3,146	38.9	2.3	1,330	42.4	1.7	2,456	74.5	1.7	1,486	25.9	2.0	3,377	24.3	1.9	4,328
Ever used a method	55.9	1.7	3,146	30.7	2.5	1,330	21.0	1.2	2,456	37.7	2.0	1,486	8.0	0.8	3,377	9.1	1.0	4,328
Using any method	23.4	1.3	3,146	10.5	1.3	1,330	11.9	0.8	2,456	16.9	1.1	1,486	2.5	0.3	3,377	3.6	0.6	4,327
Using modern method	-	-	-	2.5	0.5	1,330	2.9	0.4	2,456	13.0	1.0	1,486	-	-	-	-	-	-
Using pill	-	-	-	-	-	-	-	-	-	4.2	0.7	1,486	-	-	-	-	-	-
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	4.0	0.5	1,486	-	-	-	-	-	-
Using public source	-	-	-	-	-	-	40.8	5.7	71	90.6	2.3	187	-	-	-	39.5	4.5	86
Want no more children	17.5	1.0	3,146	11.0	0.8	1,330	37.7	1.3	2,456	21.9	1.4	1,486	8.0	0.5	3,377	13.7	0.7	4,328
Want to delay next birth	45.1	1.0	3,146	35.2	1.9	1,330	31.6	1.1	2,456	33.5	1.4	1,486	45.7	1.1	3,377	32.7	1.0	4,328
Proportion of children																		
Dead	24.2	0.6	13,423	19.5	1.0	5,882	19.2	0.6	13,586	10.5	0.4	9,231	33.7	0.8	15,081	22.4	0.9	18,627
IMR 1-4 years	96.0	6.0	3,070	61.0	7.0	1,267	96.0	6.0	3,068	57.0	5.0	2,098	133.0	7.0	3,379	91.0	6.0	4,044
IMR 5-9 years	105.0	10.0	629	115.0	27.0	102	110.0	16.0	419	62.0	13.0	337	104.0	18.0	326	97.0	16.0	507
Mother received tetanus	57.7	1.9	3,857	61.3	2.3	1,579	57.0	1.8	3,875	64.2	1.7	2,709	13.5	1.8	4,247	47.3	3.8	5,077
Medically delivered	33.1	2.7	3,857	51.2	2.7	1,579	53.1	3.1	3,875	59.5	1.6	2,709	4.9	1.1	4,247	23.2	2.1	5,077
Had diarrhea	20.6	0.8	3,334	18.2	1.4	1,433	12.6	0.7	3,412	24.1	1.2	2,518	29.5	1.2	3,299	19.6	1.0	4,313
Given ORS	10.3	1.5	686	14.9	2.3	264	13.0	1.8	431	64.1	2.2	660	7.3	1.1	973	9.3	1.2	871
Have health card	71.2	2.2	670	48.5	3.7	294	58.2	2.6	747	76.0	2.1	545	26.0	3.1	634	32.3	2.4	869
Immunized	29.4	2.2	670	33.2	4.6	294	41.4	2.6	747	57.1	2.5	545	9.6	1.6	634	13.9	1.9	869
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.3.2—Continued

Variable	Rwanda			Senegal			Tanzania			Zambia		
	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman												
Age at marriage	19.51	0.09	3,574	15.88	0.08	2,746	17.66	0.07	5,119	17.13	0.08	2,601
Children ever born	3.13	0.05	5,393	3.75	0.06	3,675	3.28	0.04	7,400	3.44	0.07	3,702
Children born to 40-49	7.79	0.10	854	7.37	0.14	628	7.08	0.10	1,216	7.86	0.14	578
Births in last 5 years	0.87	0.02	5,393	1.01	0.02	3,675	0.92	0.01	7,400	0.97	0.02	3,702
Ideal family size	4.29	0.04	5,294	6.74	0.09	2,906	6.31	0.06	6,249	6.42	0.06	3,435
Births 1-4 years	0.70	0.01	5,393	0.81	0.02	3,675	0.73	0.01	7,400	0.76	0.02	3,702
Births 5-9 years	0.11	0.01	5,393	0.19	0.01	3,675	0.15	0.01	7,400	-	-	-
Children 0-4 years	0.77	0.02	5,393	0.90	0.02	3,675	0.83	0.01	7,400	0.82	0.02	3,702
Children 1-2 years	0.16	0.01	5,393	0.17	0.01	3,675	0.19	0.01	7,400	0.18	0.01	3,702
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women												
Illiterate	41.2	1.3	5,393	93.7	0.7	3,675	44.6	1.3	7,400	50.2	1.8	3,702
Married	58.5	1.0	5,393	83.1	0.9	3,675	68.1	0.9	7,400	69.1	1.1	3,702
Know a method	-	-	-	67.9	1.7	3,053	76.6	1.2	5,036	90.6	0.7	2,536
Know a modern method	-	-	-	61.6	1.5	3,053	73.4	1.3	5,036	85.7	1.0	2,536
Know source for method	91.8	0.7	3,155	29.2	1.6	3,053	66.8	1.2	5,036	81.4	1.2	2,536
Ever used a method	41.8	1.4	3,155	9.1	0.8	3,053	20.5	1.0	5,036	40.0	1.7	2,536
Using any method	20.8	1.0	3,155	3.3	0.4	3,053	8.4	0.5	5,036	10.2	1.0	2,533
Using modern method	12.6	0.9	3,155	-	-	-	4.5	0.3	5,036	3.2	0.5	2,533
Using pill	2.9	0.5	3,155	-	-	-	-	-	-	-	-	-
Using IUD	-	-	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	-	-	-
Using public source	97.5	1.0	396	-	-	-	67.4	3.6	211	58.2	7.0	85
Want no more children	35.9	1.0	3155	17.0	0.8	3053	20.3	0.6	5036	20.3	0.8	2536
Want to delay next birth	42.6	1.0	3155	39.4	1.0	3053	42.0	0.9	5036	39.3	1.1	2536
Proportion of children												
Dead	20.0	0.5	16,851	22.6	0.5	13,789	17.3	0.5	24,524	19.8	0.5	12,765
IMR 1-4 years	80.0	5.0	3,768	81.0	6.0	2,966	85.0	5.0	5,362	116.0	7.0	2,777
IMR 5-9 years	67.0	10.0	609	80.0	10.0	711	103.0	15.0	1,066	107.0	29.0	92
Mother received tetanus	89.3	0.7	4,689	61.6	2.2	3,706	88.5	0.7	6,793	75.8	1.7	3,568
Medically delivered	23.7	1.2	4,689	28.6	2.5	3,706	44.7	1.8	6,793	28.2	1.8	3,568
Had diarrhea	21.8	0.7	4,172	23.3	1.0	3,310	12.6	0.6	6,083	25.3	0.9	3,008
Given ORS	27.5	1.7	910	6.2	1.0	771	57.8	2.4	778	48.4	2.3	743
Have health card	87.9	1.3	845	60.1	2.9	617	77.0	1.8	1,370	74.7	2.3	658
Immunized	86.9	1.5	845	40.4	3.0	617	67.8	1.8	1,370	60.2	2.7	658
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.3.3 Estimates, their standard error, and applicable sample size for the rural sample: Asia/Near East/North Africa, DHS-I

	Egypt			Indonesia			Morocco			Sri Lanka			Thailand			Tunisia		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	17.04	0.10	4,184	16.56	0.10	7,031	17.20	0.10	2,987	20.71	0.10	4,729	19.42	0.09	4,131	19.71	0.15	1624
Children ever born	4.39	0.05	4,501	3.40	0.05	7,453	4.63	0.08	3,201	3.05	0.03	4,854	2.88	0.05	4,352	4.44	0.12	1657
Children born to 40-49	6.88	0.13	1,018	5.51	0.11	1,858	7.81	0.14	754	4.77	0.08	1,245	4.87	0.10	1,120	6.94	0.20	385
Births in last 5 years	1.12	0.02	4,501	0.70	0.02	7,453	1.19	0.03	3,201	0.71	0.01	4,854	0.56	0.02	4,352	1.25	0.04	1657
Ideal family size	3.12	0.04	3,510	3.22	0.04	6,596	3.99	0.09	2,104	3.09	0.03	4,488	2.87	0.04	4,327	3.92	0.09	1496
Births 1-4 years	0.88	0.02	4,501	0.57	0.02	7,453	0.93	0.02	3,201	0.57	0.01	4,854	0.45	0.01	4,352	0.98	0.03	1657
Births 5-9 years	-	-	-	0.80	0.02	7,453	-	-	-	0.75	0.01	4,854	0.64	0.02	4,352	-	-	-
Children 0-4 years	-	-	-	0.64	0.02	7,453	-	-	-	0.69	0.01	4,854	0.53	0.01	4,352	-	-	-
Children 1-2 years	0.19	0.01	4,501	0.12	0.00	7,453	0.21	0.01	3,201	0.14	0.01	4,854	0.11	0.01	4,352	0.24	0.01	1657
Children weighed	0.23	0.01	4,501	-	-	-	0.74	0.03	3,201	0.35	0.01	4,854	0.28	0.01	4,352	0.57	0.02	1657
Proportion of women																		
Illiterate	85.0	1.3	4,501	36.1	1.6	7,453	96.4	0.9	3,201	17.9	0.9	4,854	15.1	1.3	4,352	82.1	1.8	1657
Married	91.6	0.6	4,501	92.2	0.4	7,453	93.2	0.5	3,201	92.6	0.4	4,854	92.3	0.4	4,352	96.2	0.4	1657
Know a method	97.3	0.3	4,122	93.7	0.9	6,890	96.5	0.8	2,984	-	-	-	-	-	-	-	-	-
Know a modern method	97.0	0.3	4,122	93.2	0.9	6,890	96.0	0.9	2,984	-	-	-	-	-	-	-	-	-
Know source for method	93.4	0.6	4,122	91.6	1.0	6,890	91.7	1.4	2,984	-	-	-	-	-	-	94.9	0.7	1594
Ever used a method	44.9	1.9	4,122	63.3	1.3	6,890	46.3	3.1	2,984	72.7	0.8	4,500	83.0	0.9	4,014	55.2	2.4	1594
Using any method	26.0	1.3	4,122	45.9	1.3	6,889	25.1	2.1	2,982	61.1	0.8	4,500	65.0	1.1	4,014	37.4	2.0	1594
Using modern method	24.6	1.3	4,122	42.8	1.3	6,889	19.9	1.8	2,982	40.5	0.9	4,500	63.4	1.1	4,014	32.2	1.8	1594
Using pill	13.3	0.9	4,122	17.3	1.0	6,889	17.0	1.5	2,982	4.1	0.4	4,500	18.6	1.0	4,014	6.1	1.0	1594
Using IUD	9.2	0.8	4,122	13.3	0.9	6,889	-	-	-	-	-	-	7.5	0.8	4,014	11.1	1.1	1594
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	-	-	-	25.1	0.9	4,500	21.9	1.1	4,014	12.0	0.7	1594
Using public source	6.1	0.6	4,122	24.9	1.2	6,884	8.0	0.9	2,981	32.4	0.9	4,480	53.4	1.2	4,009	26.4	1.4	1594
Want no more children	56.4	1.1	4,122	47.0	1.0	6,890	43.2	1.5	2,984	34.8	0.9	4,500	38.6	1.2	4,014	40.7	1.5	1594
Want to delay next birth	11.8	0.6	4,122	27.9	0.7	6,890	22.1	1.0	2,984	18.9	0.7	4,500	17.6	0.7	4,014	22.2	1.3	1594
Proportion of children																		
Dead	20.9	0.6	19,764	15.3	0.5	25,325	16.8	0.7	14,827	5.8	0.3	14,814	8.7	0.4	12,538	12.7	0.8	7360
IMR 1-4 years	83.0	6.0	3,961	77.0	6.0	4,248	78.0	6.0	2,974	26.0	4.0	2,762	40.0	6.0	1,971	56.0	5.0	1616
IMR 5-9 years	-	-	-	87.0	6.0	5,955	-	-	-	39.0	4.0	3,631	42.0	5.0	2,781	-	-	-
Mother received tetanus	11.0	1.1	5,019	-	-	-	-	-	-	84.3	0.8	3,446	64.3	1.9	2,424	30.7	2.0	2071
Medically delivered	20.6	1.4	5,019	24.5	2.0	5,239	10.7	1.4	3,793	84.2	1.2	3,446	58.4	2.5	2,424	53.8	3.1	2071
Had diarrhea	-	-	-	-	-	-	-	-	-	5.7	0.5	3,349	16.5	1.0	2,324	-	-	-
Given ORS	-	-	-	-	-	-	-	-	-	25.0	3.3	191	37.0	2.9	383	-	-	-
Have health card	61.7	1.6	833	-	-	-	39.0	4.1	663	81.2	1.7	680	32.3	3.0	487	73.8	2.1	389
Immunized	21.2	3.0	514	-	-	-	57.8	5.9	258	69.1	2.2	552	45.7	4.7	157	77.4	2.8	287
Weight for height	-	-	-	-	-	-	3.8	0.6	2,375	11.8	0.9	1,704	5.6	0.9	1,214	2.8	0.6	941
Height for age	34.7	1.5	1,049	-	-	-	28.7	1.4	2,375	28.7	1.4	1,704	24.6	1.3	1,214	24.1	1.7	941
Weight for age	16.7	1.2	1,049	-	-	-	15.5	1.3	2,375	39.7	1.4	1,704	28.6	1.7	1,214	13.1	1.1	941

Table B.1.3.4 Estimates, their standard error, and applicable sample size for the rural sample: Asia/Near East/North Africa, DHS-II

	Egypt			Indonesia			Jordan			Morocco			Pakistan		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman															
Age at marriage	17.64	0.08	4,839	16.98	0.05	15,037	18.67	0.11	1,766	18.30	0.09	2,898	17.96	0.11	2,956
Children ever born	4.32	0.04	5,191	3.13	0.03	15,858	5.48	0.11	1,877	2.98	0.06	4,706	4.02	0.07	3,227
Children born to 40-49	6.93	0.10	1,179	5.04	0.08	3,785	9.00	0.13	471	7.47	0.16	755	6.51	0.13	717
Births in last 5 years	1.02	0.02	5,191	0.63	0.01	15,858	1.47	0.03	1,877	0.72	0.02	4,706	0.96	0.03	3,227
Ideal family size	3.07	0.03	3,870	3.15	0.02	13,058	4.62	0.09	1,064	4.29	0.08	2,918	4.35	0.09	946
Births 1-4 years	0.85	0.02	5,191	0.51	0.01	15,858	-	-	-	0.58	0.02	4,706	0.74	0.02	3,227
Births 5-9 years	0.19	0.01	5,191	0.07	0.00	15,858	0.24	0.01	1,877	0.17	0.01	4,706	-	-	-
Children 0-4 years	0.94	0.02	5,191	0.58	0.01	15,858	-	-	-	0.66	0.02	4,706	0.86	0.02	3,227
Children 1-2 years	0.19	0.01	5,191	0.11	0.00	15,858	0.28	0.01	1,877	0.14	0.01	4,706	0.18	0.01	3,227
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women															
Illiterate	77.2	1.2	5,191	33.1	0.9	15,858	41.3	1.9	1,877	89.7	1.9	4,706	90.9	1.3	3,227
Married	92.5	0.4	5,191	92.4	0.3	15,858	95.8	0.5	1,877	61.5	1.0	4,706	96.6	0.4	3,227
Know a method	-	-	-	93.3	0.5	14,729	-	-	-	-	-	-	72.0	1.7	3,137
Know a modern method	-	-	-	93.0	0.6	14,729	-	-	-	-	-	-	71.4	1.7	3,137
Know source for method	88.5	0.8	4,796	91.4	0.6	14,729	89.7	1.3	1,802	90.6	1.4	2,896	35.1	1.5	3,137
Ever used a method	57.0	1.2	4,796	66.8	0.8	14,729	52.3	1.9	1,802	55.0	2.6	2,896	11.6	0.9	3,137
Using any method	38.4	1.2	4,796	47.2	0.9	14,729	28.5	1.7	1,802	31.6	2.0	2,896	5.8	0.6	3,137
Using modern method	36.6	1.2	4,796	45.4	0.9	14,729	16.9	1.6	1,802	27.7	1.9	2,896	4.8	0.5	3,137
Using pill	11.9	0.7	4,796	15.2	0.6	14,729	3.0	0.8	1,802	23.8	1.7	2,896	-	-	-
Using IUD	22.0	0.8	4,796	13.0	0.7	14,729	9.5	1.1	1,802	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	-	-	-	3.8	0.5	1,802	-	-	-	-	-	-
Using public source	38.6	1.6	1,686	86.0	0.8	6,358	62.6	4.3	281	76.6	3.1	802	65.8	4.9	143
Want no more children	62.7	0.9	4,796	49.4	0.7	14,729	45.1	1.4	1,802	46.7	1.4	2,896	32.7	1.2	3,137
Want to delay next birth	17.1	0.6	4,796	26.2	0.5	14,729	28.4	1.2	1,802	26.2	1.3	2,896	18.1	1.0	3,137
Proportion of children															
Dead	17.9	0.4	22,307	14.3	0.3	52,887	6.4	0.4	10,175	14.1	0.5	14,034	14.4	0.4	13,046
IMR 1-4 years	75.0	4.0	4,437	74.0	5.0	9,014	41.0	5.0	2,269	64.0	6.0	2,741	101.0	8.0	2,356
IMR 5-9 years	75.0	10.0	985	52.0	12.0	1,093	-	-	-	55.0	9.0	775	-	-	-
Mother received tetanus	57.5	1.2	5,334	51.6	1.2	11,147	40.7	1.6	2,768	52.2	1.0	3,375	19.5	1.4	3,046
Medically delivered	27.5	1.4	5,334	93.9	0.5	11,147	80.8	1.6	2,768	13.8	1.8	3,375	-	-	-
Had diarrhea	13.4	0.6	4,876	10.7	0.5	10,213	7.9	0.7	2,657	13.9	0.8	3,114	14.3	0.9	2,766
Given ORS	32.5	1.9	670	44.0	2.3	1,010	49.1	3.6	207	13.2	2.0	433	34.8	3.5	366
Have health card	54.0	2.2	981	31.9	1.8	2,039	59.3	3.0	544	61.6	3.6	654	27.3	2.7	572
Immunized	63.4	2.2	981	40.9	1.6	2,039	7.3	1.5	544	66.7	3.9	654	31.4	2.5	572
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.1.3.5 Estimates, their standard error, and applicable sample size for the rural sample: Latin America/Caribbean, DHS-I

	Bolivia			Brazil			Colombia			Dominican Republic			Ecuador			El Salvador		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman																		
Age at marriage	19.73	0.12	1,983	19.53	0.12	968	19.20	0.38	688	17.42	0.12	2,120	18.90	0.16	1,302	18.30	0.09	1,368
Children ever born	3.50	0.08	2,784	2.59	0.09	1,501	2.96	0.17	1,048	3.10	0.08	3,116	3.14	0.11	1,923	1.51	0.03	1,936
Children born to 40-49	6.53	0.19	571	6.07	0.30	172	6.54	0.45	213	7.41	0.18	507	6.65	0.24	296	1.43	0.05	335
Births in last 5 years	0.94	0.03	2,784	0.72	0.04	1,501	0.63	0.04	1,048	0.73	0.03	3,116	0.81	0.03	1,923	0.86	0.02	1,936
Ideal family size	2.57	0.05	2,653	3.03	0.07	1,478	3.10	0.10	1,007	3.54	0.05	3,115	3.34	0.11	1,813	4.21	0.08	1,843
Births 1-4 years	0.75	0.02	2,784	0.58	0.03	1,501	0.50	0.03	1,048	0.58	0.02	3,116	0.64	0.02	1,923	0.67	0.02	1,936
Births 5-9 years	0.93	0.03	2,784	0.73	0.03	1,501	0.68	0.05	1,048	0.70	0.03	3,116	0.85	0.03	1,923	0.54	0.01	1,936
Children 0-4 years	0.83	0.02	2,784	0.64	0.03	1,501	0.61	0.04	1,048	0.67	0.03	3,116	0.75	0.03	1,923	0.78	0.03	1,936
Children 1-2 years	0.18	0.01	2,784	0.12	0.01	1,501	0.12	0.01	1,048	0.14	0.01	3,116	0.16	0.01	1,923	0.14	0.01	1,936
Children weighed	0.40	0.01	2,784	0.36	0.03	1,501	0.31	0.02	1,048	0.29	0.01	3,116	-	-	-	-	-	-
Proportion of women																		
Illiterate	42.2	2.2	2,784	20.2	1.8	1,501	10.0	1.4	1,048	21.6	1.0	3,116	18.7	2.1	1,923	60.5	3.5	1,936
Married	69.1	1.3	2,784	62.3	1.8	1,501	62.3	2.0	1,048	61.0	1.0	3,116	67.4	1.5	1,923	66.7	1.1	1,936
Know a method	61.8	1.9	1,954	-	-	-	*	-	-	-	-	-	82.1	2.6	1,296	89.3	1.1	1,288
Know a modern method	50.6	2.2	1,954	-	-	-	*	-	-	-	-	-	81.6	2.6	1,296	89.3	1.1	1,288
Know source for method	55.8	2.0	1,954	96.4	0.8	934				97.3	0.4	1,981	78.6	2.8	1,296	84.4	1.3	1,288
Ever used a method	32.1	1.5	1,954	79.5	1.7	934	78.3	1.7	649	69.2	1.2	1,981	47.9	2.7	1,296	46.0	2.0	1,288
Using any method	19.7	1.4	1,954	57.7	2.3	934	55.9	2.3	649	46.3	1.4	1,981	32.7	2.1	1,296	35.2	1.8	1,288
Using modern method	5.5	0.8	1,954	48.7	2.4	934	41.9	2.7	649	43.1	1.2	1,981	26.8	1.7	1,296	33.6	1.7	1,288
Using pill	-	*	-	24.8	1.8	934	12.5	1.4	649	7.0	0.7	1,981	6.9	0.9	1,296	4.2	0.7	1,288
Using IUD	-	*	-	-	-	-	6.2	1.2	649	-	*	-	-	-	1,296	-	-	*
Using condom	-	*	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-
Sterilized	-	-	-	21.8	2.0	934	17.8	2.3	649	32.2	1.3	1,981	11.8	1.0	1,296	25.8	1.9	1,288
Using public source	2.6	0.5	1,954	16.7	1.8	934	11.3	1.8	648	20.5	1.1	1,981	14.1	1.1	1,291	26.4	1.5	1,287
Want no more children	71.8	1.5	1,954	43.3	2.0	934	49.6	1.6	649	34.1	1.4	1,981	51.9	1.5	1,296	31.0	1.0	1,288
Want to delay next birth	6.5	0.8	1,954	15.8	1.6	934	14.7	1.4	649	14.1	1.0	1,981	18.1	1.2	1,296	22.9	1.3	1,288
Proportion of children																		
Dead	20.1	0.5	9,736	12.5	0.9	3,894	9.3	1.3	3,104	12.2	0.4	9,660	14.8	0.8	6,046	9.4	0.7	2,919
IMR 1-4 years	94.0	9.0	2,074	100.0	12.0	874	36.0	8.0	525	70.0	8.0	1,807	64.0	7.0	1,238	84.0	10.0	1,301
IMR 5-9 years	118.0	7.0	2,597	110.0	13.0	1,088	49.0	7.0	714	66.0	6.0	2,194	91.0	9.0	1,638	90.0	6.0	1,042
Mother received tetanus	14.7	1.1	2,620	38.7	2.7	1,076	41.7	2.8	664	85.1	0.8	2,275	33.6	2.7	1,560	39.7	2.1	1,659
Medically delivered	23.0	2.0	2,620	-	-	-	58.5	4.1	664	81.8	1.4	2,275	38.7	3.3	1,560	77.8	2.1	1,659
Had diarrhea	27.6	1.1	2,316	18.4	1.7	962	23.9	1.8	641	23.6	1.2	2,097	-	-	-	36.0	1.4	1,510
Given ORS	25.4	2.7	639	3.4	1.2	177	41.2	4.3	153	35.1	2.9	495	-	-	-	24.2	2.1	544
Have health card	19.5	2.2	487	63.3	4.2	173	46.1	4.0	125	12.0	2.5	421	-	-	-	72.4	2.8	277
Immunized	31.0	5.9	95	32.8	6.0	109	65.8	7.7	57	-	-	*	-	-	-	45.9	3.4	200
Weight for height	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-
Height for age	44.7	2.3	1,105	31.5	3.6	542	26.7	3.8	325	28.3	1.9	891	-	-	-	-	-	-
Weight for age	15.9	1.4	1,105	13.5	2.1	542	10.9	3.5	325	16.2	1.4	891	-	-	-	-	-	-

Table B.1.3.5—Continued

Variable	Guatemala			Mexico			Peru			Trinidad and Tobago		
	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman												
Age at marriage	17.70	0.09	2,135	18.23	0.10	2,157	19.30	0.10	2,162	18.98	0.11	1,464
Children ever born	3.21	0.06	3,064	3.16	0.10	3,321	2.96	0.05	3,420	2.20	0.05	2,078
Children born to 40-49	6.50	0.18	294	7.06	0.23	527	6.53	0.13	623	4.84	0.17	343
Births in last 5 years	1.03	0.02	3,064	0.81	0.03	3,321	0.73	0.02	3,420	0.53	0.02	2,078
Ideal family size	4.26	0.09	2,422	3.50	0.07	3,035	2.72	0.04	3,286	2.93	0.04	2,045
Births 1-4 years	0.81	0.02	3,064	0.64	0.02	3,321	0.58	0.01	3,420	0.43	0.02	2,078
Births 5-9 years	0.94	0.02	3,064	0.77	0.03	3,321	0.71	0.02	3,420	0.51	0.02	2,078
Children 0-4 years	0.94	0.02	3,064	0.75	0.03	3,321	0.65	0.02	3,420	0.52	0.02	2,078
Children 1-2 years	0.19	0.01	3,064	0.14	0.01	3,321	0.12	0.01	3,420	0.10	0.01	2,078
Children weighed	0.49	0.01	3,064	-	-	-	-	-	-	0.24	0.01	2,078
Proportion of women												
Illiterate	53.1	2.0	3,064	25.7	2.2	3,321	23.5	1.6	3,420	3.5	0.8	2,078
Married	70.8	1.1	3,064	65.6	1.1	3,321	60.3	1.0	3,420	68.5	0.9	2,078
Know a method	64.0	2.0	2,168	87.4	2.1	2,153	85.0	0.9	2,061	-	-	-
Know a modern method	63.6	2.0	2,168	87.1	2.2	2,153	81.9	1.0	2,061	-	-	-
Know source for method	57.1	2.0	2,168	-	-	-	80.5	1.1	2,061	-	-	-
Ever used a method	22.6	1.8	2,168	55.1	2.6	2,153	58.0	1.6	2,061	81.8	1.1	1,424
Using any method	14.7	1.3	2,168	38.7	2.3	2,153	39.4	1.4	2,061	51.5	1.6	1,424
Using modern method	11.9	1.1	2,168	31.9	2.0	2,153	18.7	1.2	2,061	43.3	1.7	1,424
Using pill	-	-	-	8.4	0.8	2,153	5.4	0.9	2,061	12.6	1.1	1,424
Using IUD	-	-	-	5.8	0.6	2,153	4.5	0.5	2,061	3.6	0.6	1,424
Using condom	-	-	-	-	-	-	-	-	-	13.2	0.8	1,424
Sterilized	7.1	0.8	2,168	13.8	1.2	2,153	5.9	0.6	2,061	8.4	0.8	1,424
Using public source	3.7	0.7	2,168	22.0	1.5	2,152	8.2	0.9	2,061	20.0	1.1	1,423
Want no more children	33.0	1.4	2,168	44.6	1.5	2,153	64.5	1.4	2,061	49.7	1.3	1,424
Want to delay next birth	28.5	1.2	2,168	12.7	0.7	2,153	12.8	1.0	2,061	19.4	1.3	1,424
Proportion of children												
Dead	14.5	0.6	9,839	11.7	0.5	10,498	15.8	0.5	10,127	4.4	0.3	4,561
IMR 1-4 years	74.0	5.0	2,488	63.0	7.0	2,135	88.0	7.0	1,994	27.0	5.0	902
IMR 5-9 years	92.0	7.0	2,883	78.0	8.0	2,570	92.0	6.0	2,438	28.0	5.0	1,051
Mother received tetanus	12.0	1.0	3,159	-	-	-	13.9	1.0	2,483	31.7	1.9	1,108
Medically delivered	18.7	1.9	3,159	50.9	2.7	2,687	37.3	1.9	2,483	95.7	0.6	1,108
Had diarrhea	16.2	0.9	2,868	25.0	1.2	2,474	33.4	1.0	2,216	5.7	0.7	1,076
Given ORS	11.2	1.6	465	4.6	0.7	619	3.4	1.0	740	50.8	7.4	61
Have health card	54.2	2.5	579	-	-	-	42.5	3.1	421	84.0	2.4	214
Immunized	22.4	2.4	314	-	-	-	43.3	4.0	179	-	-	-
Weight for height	-	-	-	-	-	-	-	-	-	4.4	0.7	495
Height for age	60.7	1.7	1,495	-	-	-	-	-	-	4.6	1.0	495
Weight for age	36.1	1.4	1,495	-	-	-	-	-	-	8.3	1.1	495

Table B.1.3.6 Estimates, their standard error, and applicable sample size for the rural sample: Latin America/Caribbean, DHS-II

	Northeast Brazil			Colombia			Dominican Republic			Paraguay			Peru		
Variable	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size	Estimate	Standard error	Applicable sample size
Mean per woman															
Age at marriage	19.49	0.14	1,255	19.53	0.19	1,070	17.68	0.16	1,749	19.47	0.13	1894	18.76	0.08	2,963
Children ever born	3.31	0.12	1,908	2.53	0.15	1,649	2.86	0.11	2,466	3.16	0.08	2926	3.53	0.06	4,105
Children born to 40-49	6.82	0.21	384	5.93	0.42	274	6.37	0.25	428	6.90	0.19	542	7.28	0.13	740
Births in last 5 years	0.76	0.04	1,908	0.53	0.03	1,649	0.68	0.04	2,466	0.84	0.03	2926	0.93	0.02	4,105
Ideal family size	2.89	0.13	1,843	2.75	0.07	1,617	3.29	0.05	2,377	4.40	0.07	2504	2.68	0.03	3,959
Births 1-4 years	0.63	0.04	1,908	0.43	0.02	1,649	0.55	0.03	2,466	0.68	0.02	2926	0.74	0.02	4,105
Births 5-9 years	0.13	0.01	1,908	0.07	0.01	1,649	0.08	0.01	2,466	0.08	0.01	2926	0.16	0.01	4,105
Children 0-4 years	0.69	0.04	1,908	0.52	0.03	1,649	0.63	0.03	2,466	0.81	0.02	2926	0.85	0.02	4,105
Children 1-2 years	0.13	0.01	1,908	0.11	0.01	1,649	0.15	0.01	2,466	0.17	0.01	2926	0.17	0.01	4,105
Children weighed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proportion of women															
Illiterate	-	-	-	19.3	2.4	1,649	52.4	6.5	2,466	15.9	1.6	2926	30.8	2.0	4,105
Married	64.1	1.5	1,908	57.6	1.9	1,649	65.4	2.0	2,466	64.7	1.1	2926	70.1	0.9	4,105
Know a method	-	-	-	-	-	-	-	-	-	96.8	0.5	1925	91.1	0.9	2,920
Know a modern method	-	-	-	-	-	-	-	-	-	94.5	0.6	1925	84.5	1.2	2,920
Know source for method	87.1	1.4	1,219	95.5	1.3	958	94.5	1.4	1,654	84.3	1.1	1925	75.3	1.3	2,920
Ever used a method	67.4	2.0	1,219	81.9	1.7	958	69.1	2.5	1,654	55.3	1.6	1925	65.7	1.3	2,920
Using any method	49.1	2.1	1,219	61.8	2.4	958	50.1	2.7	1,654	38.7	1.6	1925	41.1	1.3	2,920
Using modern method	43.9	2.2	1,219	49.7	2.6	958	46.0	2.4	1,654	26.2	1.3	1925	15.5	0.9	2,920
Using pill	12.6	1.7	1,219	14.0	1.4	958	7.5	0.8	1,654	12.6	0.9	1925	3.7	0.4	2,920
Using IUD	-	-	-	8.9	1.1	958	-	-	-	-	-	-	5.0	0.5	2,920
Using condom	-	-	-	2.5	1.1	958	-	-	-	-	-	-	-	-	-
Sterilized	29.5	2.5	1,219	21.5	2.2	958	37.4	2.3	1,654	6.3	0.8	1925	3.5	0.4	2,920
Using public source	55.2	3.2	537	32.5	3.3	478	39.1	2.7	772	24.2	2.8	474	68.4	2.6	452
Want no more children	40.1	2.2	1,219	45.6	2.1	958	30.6	1.8	1,654	37.0	1.1	1925	73.4	1.0	2,920
Want to delay next birth	15.6	1.1	1,219	15.0	1.5	958	16.7	1.7	1,654	27.8	1.0	1925	11.3	0.7	2,920
Proportion of children															
Dead	15.3	0.9	6,214	6.7	0.7	4,050	10.8	0.6	7,512	6.1	0.3	9569	16.4	0.5	14,692
IMR 1-4 years	77.0	16.0	1,137	-	-	-	55.0	10.0	1,430	40.0	5.0	2080	72.0	5.0	3,087
IMR 5-9 years	114.0	23.0	249	-	-	-	56.0	23.0	206	48.0	15.0	247	79.0	11.0	675
Mother received tetanus	33.7	2.2	1,370	57.9	2.8	926	89.2	1.2	1,756	78.0	1.6	2578	26.3	1.5	3,885
Medically delivered	66.6	2.5	1,370	53.0	3.4	926	84.6	2.5	1,756	17.8	1.5	2578	18.7	1.4	3,885
Had diarrhea	12.7	2.0	1,247	13.5	1.4	905	16.4	1.9	1,638	8.1	0.7	2473	22.0	1.0	3,519
Given ORS	3.8	1.8	174	31.9	5.0	140	20.8	3.1	284	19.6	3.4	213	21.1	2.2	799
Have health card	-	-	-	61.8	4.6	192	63.4	4.2	377	48.0	2.9	515	50.0	2.2	684
Immunized	51.1	5.3	249	65.5	3.8	192	25.2	2.8	377	25.5	2.0	515	47.9	2.6	684
Weight for height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.2.1 Computed design effects (deft) for the total sample: Sub-Saharan Africa, Asia/Near East/North Africa, and Latin America/Caribbean, Demographic and Health Surveys I and II

	SUB-SAHARAN AFRICA (DHS-I)											
Variable	Botswana	Burundi	Ghana	Kenya	Liberia	Mali	Nigeria (Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe
Mean per woman												
Age at marriage	1.34	1.31	1.22	1.78	1.42	1.38	1.62	1.14	1.35	1.20	1.31	1.39
Children ever born	1.36	0.97	1.21	1.53	1.34	1.15	2.03	1.03	1.14	1.32	1.09	1.22
Children born to 40-49	1.11	1.09	1.07	1.30	1.02	1.16	1.11	1.02	1.05	1.06	1.13	1.12
Births in last 5 years	1.22	1.29	1.29	1.61	1.38	1.43	2.03	1.26	1.29	1.31	1.15	1.37
Ideal family size	1.52	1.58	2.24	2.62	1.76	1.54	1.74	1.73	1.37	1.99	1.71	1.52
Births 1-4 years	1.20	1.23	1.31	1.59	1.35	1.26	1.84	1.20	1.15	1.11	1.19	1.32
Births 5-9 years	1.37	1.09	1.14	1.31	1.30	-	1.50	1.21	-	1.37	1.19	1.14
Children 0-4 years	1.25	1.15	1.29	1.65	1.20	1.57	1.96	1.18	-	1.32	1.10	1.33
Children 1-2 years	1.06	1.06	1.15	1.31	1.10	1.35	1.66	0.92	1.01	1.07	1.12	1.32
Children weighed	-	0.98	1.19	-	-	1.46	1.87	1.06	-	1.20	1.04	1.38
Proportion of women												
Illiterate	1.55	2.08	2.48	1.85	3.19	1.51	2.10	1.95	1.91	1.99	1.90	2.13
Married	1.53	1.42	1.43	1.80	2.02	1.45	2.04	1.63	1.04	1.46	1.42	1.21
Know a method	2.94	1.74	2.20	2.05	2.08	1.77	1.80	1.61	2.22	1.38	1.64	-
Know a modern method	3.02	1.97	2.37	2.38	2.13	1.82	1.86	1.75	2.24	2.08	1.80	-
Know source for method	2.99	1.67	2.11	1.99	2.13	1.98	1.93	1.65	1.98	2.00	1.63	1.31
Ever used a method	1.69	1.43	1.60	1.92	2.18	1.53	1.44	1.92	1.88	1.32	1.64	1.30
Using any method	1.29	1.29	1.12	1.74	1.82	1.17	1.26	1.45	1.31	1.41	1.14	1.09
Using modern method	1.30	-	1.16	1.49	1.87	*	1.32	-	1.29	1.19	0.95	1.17
Using pill	0.97	-	-	1.35	1.53	*	-	-	1.30	-	-	1.21
Using IUD	1.21	-	-	1.27	-	*	-	-	*	-	-	-
Using condom	-	-	-	-	*	-	-	-	*	-	-	-
Sterilized	1.13	-	-	1.52	-	-	-	-	*	-	-	-
Using public source	1.26	-	-	1.35	*	-	1.37	-	1.10	-	-	1.39
Want no more children	1.13	1.29	1.46	1.61	1.45	1.21	1.41	1.25	1.23	1.25	1.19	1.31
Want to delay next birth	1.40	1.38	1.26	1.37	1.32	1.31	1.51	1.12	1.17	1.03	1.09	1.18
Proportion of children [1]												
Dead	1.60	1.65	1.58	2.57	1.78	1.92	1.32	1.69	1.82	1.33	1.29	1.50
IMR 1-4 years	1.05	1.25	1.29	1.25	1.22	1.01	1.10	1.06	1.40	0.96	1.06	1.25
IMR 5-9 years	1.13	0.96	1.06	0.59	1.27	-	0.84	1.07	-	1.31	1.20	1.16
Mother received tetanus	1.78	2.77	2.36	1.74	1.45	2.11	2.64	2.00	1.97	3.05	1.85	1.53
Medically delivered	2.09	2.86	2.77	3.19	2.12	1.95	3.25	2.07	2.61	3.03	2.48	2.13
Had diarrhea	1.66	1.09	1.39	0.97	-	1.58	1.25	1.39	0.72	1.16	1.39	1.14
Given ORS	0.91	1.55	1.44	1.25	-	-	-	-	0.82	1.27	1.21	*
Have health card	1.15	1.46	1.42	1.25	1.35	1.21	1.19	1.03	1.29	1.36	1.21	1.15
Immunized	1.36	1.22	1.27	1.56	1.68	0.91	1.13	1.20	1.15	-	1.29	1.13
Weight for height	-	1.12	1.11	-	-	1.38	1.31	0.96	-	1.00	-	-
Height for age	-	1.21	1.03	-	-	1.02	1.36	1.01	-	1.15	1.10	1.54
Weight for age	-	1.07	1.02	-	-	1.35	1.24	1.09	-	1.22	1.30	1.56
n (women)	4,368	3,970	4,488	7,150	5,239	3,200	4,213	4,415	5,860	3,360	4,730	4,201
Number of PSUs	154	144	150	442	156	148	90	136	314	152	206	166
b-bar (women)	28.4	27.6	29.9	16.2	33.6	21.6	46.8	32.5	18.7	22.1	23.0	25.3
Effect of weights (Dw)	1.09	1.06	1.00	1.27	1.13	1.10	1.00	1.00	1.00	1.00	1.11	1.00

Table B.2.1—Continued

Variable	SUB-SAHARAN AFRICA (DHS-II)									
	Burkina Faso	Cameroon	Madagascar	Namibia	Niger	Nigeria	Rwanda	Senegal	Tanzania	Zambia
Mean per woman										
Age at marriage	1.63	1.97	1.45	1.45	1.43	2.65	1.76	1.23	1.37	1.17
Children ever born	1.21	1.28	1.05	1.19	1.39	1.57	1.28	1.04	1.17	1.10
Children born to 40-49	1.23	1.22	1.04	1.04	1.44	1.67	1.12	1.03	1.36	1.10
Births in last 5 years	1.33	1.11	1.26	1.40	1.47	1.67	1.46	1.31	1.48	1.29
Ideal family size	1.91	2.01	2.06	1.64	1.93	2.04	1.53	1.65	2.03	1.36
Births 1-4 years	1.28	0.99	1.23	1.28	1.36	1.66	1.33	1.25	1.36	1.33
Births 5-9 years	1.12	1.10	1.28	1.38	1.21	1.28	1.14	1.22	1.41	-
Children 0-4 years	1.24	1.16	1.16	1.41	1.42	1.62	1.41	1.29	1.42	1.27
Children 1-2 years	0.99	0.94	1.02	1.10	1.17	1.41	1.07	1.03	1.28	1.15
Children weighed	-	-	-	-	-	-	-	-	-	-
Proportion of women										
Illiterate	1.24	2.80	1.75	1.46	1.45	4.13	1.70	1.48	1.86	1.50
Married	1.48	1.62	1.30	1.45	1.16	2.48	1.49	1.31	1.91	1.28
Know a method	2.48	2.23	1.65	1.65	2.03	2.80	-	1.90	2.16	1.26
Know a modern method	2.46	2.15	1.66	1.65	2.26	2.81	-	1.75	2.25	1.42
Know source for method	2.26	2.10	1.80	1.58	2.64	3.23	1.53	1.77	2.09	1.45
Ever used a method	2.11	2.26	1.49	1.63	1.56	2.50	1.67	1.37	1.74	1.65
Using any method	1.86	1.45	1.34	1.61	1.15	2.13	1.48	1.08	1.40	1.43
Using modern method	1.00	1.04	1.16	1.63	-	1.50	1.59	1.13	1.43	1.37
Using pill	-	-	-	1.22	-	-	1.56	-	1.58	1.18
Using IUD	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	1.69	-	-	-	-	-	-
Using public source	1.05	1.26	1.03	1.70	1.38	1.04	1.27	0.98	1.33	1.16
Want no more children	1.59	1.23	1.41	1.32	1.23	1.48	1.16	1.17	1.23	1.07
Want to delay next birth	1.28	1.44	1.23	1.11	1.38	1.42	1.17	1.09	1.22	1.19
Proportion of children[1]										
Dead	1.71	1.98	1.77	1.53	2.32	2.90	1.75	1.46	2.27	1.57
IMR 1-4 years	1.18	1.07	1.11	1.20	1.34	1.40	1.21	1.05	1.65	1.16
IMR 5-9 years	0.94	0.96	1.08	0.99	1.17	1.26	1.07	0.90	1.58	0.95
Mother received tetanus	2.66	2.25	2.34	1.53	3.33	4.96	1.67	2.45	1.75	2.01
Medically delivered	3.86	2.52	3.93	1.60	2.78	3.83	2.03	2.54	3.42	2.21
Had diarrhea	1.24	1.59	1.24	1.34	1.66	1.72	1.18	1.23	1.51	1.22
Given ORS	1.37	1.23	1.09	1.14	1.35	1.36	1.17	1.04	1.36	1.11
Have health card	1.36	1.27	1.47	1.11	1.72	1.54	1.15	1.36	1.56	1.26
Immunized	1.28	1.65	1.52	1.14	1.30	1.63	1.31	1.36	1.51	1.29
Weight for height	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-
n (women)	6,354	3,871	6,260	5,421	6,503	8,781	6,551	6,310	9,238	7,060
Number of PSUs	224	142	212	160	228	294	190	252	346	252
b-bar (women)	28.4	27.3	29.5	33.9	28.5	29.9	34.5	25.0	26.7	28.0
Effect of weights (Dw)	1.10	1.08	1.06	1.03	1.12	1.36	1.04	1.00	1.25	1.02

Table B.2.1—Continued

Variable	ASIA/NEAR EAST/NORTH AFRICA (DHS-I)						ASIA/NEAR EAST/NORTH AFRICA (DHS-II)				
	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Egypt	Indonesia	Jordan	Morocco	Pakistan
Mean per woman											
Age at marriage	2.67	2.49	1.49	1.50	1.63	1.55	1.98	2.00	1.27	1.32	1.61
Children ever born	1.50	1.70	1.31	1.09	1.62	1.46	1.28	1.52	1.23	1.30	1.58
Children born to 40-49	1.48	1.59	1.25	1.12	1.52	1.43	1.38	1.67	1.20	1.30	1.34
Births in last 5 years	1.43	1.88	1.54	1.10	1.52	1.42	1.43	1.61	1.39	1.59	1.61
Ideal family size	1.76	2.52	1.80	1.37	2.11	2.18	1.33	1.62	1.26	2.02	1.50
Births 1-4 years	1.35	1.85	1.47	1.13	1.50	1.38	1.39	1.61	-	1.53	1.56
Births 5-9 years	1.39	1.46	-	1.15	1.58	-	1.24	1.39	1.06	1.30	-
Children 0-4 years	1.38	1.79	1.43	1.11	1.43	-	1.37	1.55	-	1.50	1.53
Children 1-2 years	0.99	1.17	1.21	0.99	1.17	1.07	1.28	1.37	1.13	1.11	1.36
Children weighed	1.09	-	1.54	1.06	1.20	1.39	-	-	-	-	-
Proportion of women											
Illiterate	3.06	3.05	1.70	1.33	2.55	1.96	2.43	2.19	1.64	1.87	1.80
Married	1.27	1.37	1.16	1.11	1.16	1.08	1.16	1.52	1.26	1.29	1.38
Know a method	-	3.03	-	-	-	-	-	2.58	-	-	2.30
Know a modern method	-	3.02	2.34	-	-	-	-	2.62	-	-	2.36
Know source for method	1.70	2.90	2.59	-	-	1.65	1.89	2.47	1.50	2.52	1.82
Ever used a method	2.79	2.34	2.76	1.13	1.65	2.15	1.76	2.00	1.45	2.36	1.49
Using any method	2.33	2.14	2.14	1.18	1.56	1.74	1.70	2.00	1.33	1.84	1.38
Using modern method	2.27	2.24	1.94	1.20	1.57	1.67	1.68	2.03	1.28	1.79	1.34
Using pill	1.67	2.25	1.75	1.25	1.64	1.59	1.36	1.80	1.30	1.75	-
Using IUD	1.94	2.42	1.41	-	2.13	1.35	1.38	2.20	1.25	1.10	-
Using condom	-	-	-	-	-	-	-	-	-	-	1.34
Sterilized	-	1.95	-	1.29	1.79	1.24	-	1.49	1.16	1.16	1.40
Using public source	1.84	2.33	1.45	1.22	1.53	1.56	1.42	1.69	1.14	1.84	1.42
Want no more children	1.47	1.65	1.46	1.30	1.63	1.33	1.26	1.64	1.10	1.36	1.61
Want to delay next birth	1.20	1.44	1.21	1.15	1.21	1.12	1.19	1.45	1.04	1.45	1.59
Proportion of children[1]							-	-	-	-	-
Dead	1.96	2.28	2.25	1.15	1.95	1.65	1.63	2.41	1.56	1.37	1.95
IMR 1-4 years	1.26	1.63	1.09	1.01	1.18	1.11	1.05	1.78	1.36	1.12	1.47
IMR 5-9 years	0.94	1.44	0.87	1.00	1.28	0.99	1.22	1.55	-	1.06	-
Mother received tetanus	2.36	-	-	1.40	2.01	1.86	1.70	2.52	1.47	1.15	1.92
Medically delivered	3.34	3.44	2.52	1.99	2.78	3.31	2.47	1.77	2.18	2.64	-
Had diarrhea	-	-	0.94	1.06	1.49	1.19	1.32	1.53	1.28	1.25	1.52
Given ORS	-	-	0.83	0.94	1.20	-	1.18	1.36	1.05	1.21	1.49
Have health card	1.04	-	1.80	1.15	1.42	1.24	1.35	1.58	1.27	1.72	1.51
Immunized	1.48	-	1.64	1.13	1.28	0.98	1.37	1.51	1.25	1.98	1.36
Weight for height	-	-	1.16	1.11	1.51	1.05	-	-	-	-	-
Height for age	1.23	-	1.67	1.30	1.23	1.39	-	-	-	-	-
Weight for age	1.02	-	1.61	1.19	1.46	1.17	-	-	-	-	-
n (women)	8,911	11,884	5,982	5,865	6,775	4,184	9,864	22,909	6,461	9,256	6,611
Number of PSUs	226	400	212	270	288	156	436	1,169	344	200	389
b-bar (women)	39.4	29.7	28.2	21.7	23.5	26.8	22.6	19.6	18.8	46.3	17.0
Effect of weights (Dw)	1.03	1.20	1.00	1.05	1.21	1.00	1.12	1.39	1.08	1.00	1.34

Table B.2.1—Continued

Variable	LATIN AMERICA/CARIBBEAN (DHS-I)									
	Bolivia	Brazil	Colombia	Dominican R.	Ecuador	El Salvador	Guatemala	Mexico	Peru	T&T
Mean per woman										
Age at marriage	1.32	1.23	1.66	1.45	1.25	0.98	1.22	1.56	1.20	1.07
Children ever born	1.36	1.31	1.77	1.35	1.30	1.77	1.11	1.75	1.00	1.00
Children born to 40-49	1.27	1.09	1.41	1.17	1.16	1.13	1.03	1.76	1.10	1.03
Births in last 5 years	1.46	1.40	1.82	1.46	1.38	1.64	1.37	1.90	1.07	1.19
Ideal family size	1.41	1.35	1.48	1.21	1.53	2.42	1.65	1.97	1.32	1.05
Births 1-4 years	1.35	1.31	1.79	1.40	1.25	1.66	1.32	1.63	1.00	1.13
Births 5-9 years	1.40	1.27	1.74	1.40	1.23	1.51	1.03	1.56	1.21	1.06
Children 0-4 years	1.39	1.38	1.82	1.44	1.33	1.77	1.30	1.84	1.16	1.19
Children 1-2 years	1.26	1.00	1.33	1.24	1.03	1.09	1.13	1.74	0.96	1.07
Children weighed	1.34	1.29	1.57	1.28	-	-	1.35	-	-	1.16
Proportion of women										
Illiterate	1.89	1.73	1.47	1.37	2.16	1.26	2.16	1.97	1.56	1.17
Married	1.39	1.40	1.63	1.36	1.35	1.32	1.26	1.77	1.21	1.02
Know a method	1.65	-	-	-	2.28	1.77	2.08	3.26	1.13	-
Know a modern method	1.80	-	-	-	2.29	1.77	2.10	3.23	1.20	-
Know source for method	1.61	-	-	-	2.25	1.67	2.11	-	1.21	-
Ever used a method	1.41	1.35	1.27	1.31	1.70	2.07	1.79	2.57	1.42	1.09
Using any method	1.44	1.33	1.33	1.29	1.43	1.73	1.54	2.13	1.21	1.14
Using modern method	1.25	1.26	1.33	1.22	1.31	1.58	1.45	1.81	1.30	1.22
Using pill	-	1.22	1.14	1.26	1.19	1.30	1.33	1.36	1.54	1.17
Using IUD	1.21	-	1.10	1.41	1.19	1.37	-	1.68	1.17	1.23
Using condom	-	-	-	-	-	-	-	-	-	0.94
Sterilized	1.19	1.35	1.23	1.29	1.10	1.27	1.31	1.50	1.08	1.08
Using public source	1.18	1.31	1.36	1.35	1.04	1.53	1.51	1.66	1.28	1.03
Want no more children	1.31	1.26	1.20	1.23	0.95	0.97	1.32	1.59	1.25	1.01
Want to delay next birth	1.27	1.26	0.99	1.14	1.11	1.05	1.16	1.24	1.31	1.11
Proportion of children[1]										
Dead	1.58	1.76	2.03	1.29	1.67	0.89	1.77	2.09	1.33	1.24
IMR 1-4 years	1.50	1.23	1.07	1.19	1.08	1.42	1.16	1.25	1.13	1.17
IMR 5-9 years	1.26	1.38	1.52	1.27	1.28	0.90	1.41	1.49	1.04	1.21
Mother received tetanus	1.51	1.82	1.61	1.16	1.94	1.64	1.79		1.41	1.35
Medically delivered	2.14	-	2.84	1.47	2.27	2.54	2.56	3.37	2.02	0.94
Had diarrhea	1.28	1.23	1.19	1.36	-	1.18	1.23	1.58	1.03	1.10
Given ORS	1.46	1.30	1.11	1.20	-	1.37	1.08	1.00	1.45	1.21
Have health card	1.15	1.16	1.08	1.38	-	1.33	1.23	-	1.22	1.09
Immunized	1.18	1.15	1.16	1.00	-	1.04	1.16	-	1.10	-
Weight for height	-	-	-	-	-	-	-	-	-	0.91
Height for age	1.44	1.55	1.33	1.38	-	-	1.44	-	-	0.95
Weight for age	1.32	1.32	1.34	1.17	-	-	1.20	-	-	0.91
n (women)	7,923	5,892	5,329	7,645	4,713	5,207	5,160	9,310	4,999	3,806
Number of PSUs	676	344	180	604	194	88	242	374	142	178
b-bar (women)	11.7	17.1	29.6	12.7	24.3	59.2	21.3	24.9	35.2	21.4
Effect of weights (Dw)	1.21	1.06	1.03	1.16	1.00	1.03	1.00	1.43	1.00	1.00

Table B.2.1—Continued

Variable	LATIN AMERICA/CARIBBEAN (DHS-II)				
	Northeast Brazil	Colombia	Dominican R.	Paraguay	Peru
Mean per woman					
Age at marriage	1.22	1.49	1.76	1.40	1.28
Children ever born	1.58	2.27	1.44	1.29	1.16
Children born to 40-49	1.26	2.58	1.44	1.23	1.10
Births in last 5 years	1.99	1.51	1.62	1.28	1.25
Ideal family size	2.22	1.78	1.17	1.40	1.19
Births 1-4 years	2.23	1.54	1.48	1.24	1.24
Births 5-9 years	1.20	2.04	1.30	1.07	1.13
Children 0-4 years	2.09	1.54	1.60	1.25	1.24
Children 1-2 years	1.24	1.39	1.35	1.10	1.01
Children weighed	-	-	-	-	-
Proportion of women					
Illiterate	-	1.22	1.55	1.14	1.16
Married	1.55	1.63	1.70	1.28	1.20
Know a method	-	-	-	-	1.46
Know a modern method	-	-	-	1.10	1.52
Know source for method	1.65	-	2.10	1.22	1.40
Ever used a method	1.70	1.58	1.81	1.35	1.23
Using any method	1.43	1.61	1.65	1.26	1.22
Using modern method	1.37	1.57	1.62	1.21	1.13
Using pill	1.52	1.45	1.20	1.28	1.17
Using IUD	-	1.34	-	1.17	1.17
Using condom	-	1.72	-	1.11	1.26
Sterilized	1.46	1.70	1.45	1.21	1.14
Using public source	1.50	1.59	1.57	1.17	1.10
Want no more children	1.46	1.42	1.59	1.16	1.21
Want to delay next birth	1.13	1.32	1.65	0.94	1.18
Proportion of children[1]					
Dead	2.09	2.15	1.87	1.58	1.85
IMR 1-4 years	1.61	-	1.38	0.94	1.18
IMR 5-9 years	1.19	-	1.29	1.06	1.14
Mother received tetanus	2.02	1.72	1.83	1.79	1.61
Medically delivered	2.36	2.29	2.68	1.88	1.74
Had diarrhea	1.96	1.46	1.68	1.40	1.44
Given ORS	1.23	2.05	1.31	1.34	1.32
Have health card	-	1.46	1.44	1.21	1.13
Immunized	1.47	1.31	1.39	1.10	1.24
Weight for height	-	-	-	-	-
Height for age	-	-	-	-	-
Weight for age					
n (women)	6,223	8,644	7,320	5,827	15,882
Number of PSUs	354	236	387	260	897
b-bar (women)	17.6	36.6	18.9	22.4	17.7
Effect of weights (Dw)	1.29	1.20	1.35	1.05	1.07

Note: PSU is primary sampling unit. IUD is intrauterine device. IMR is infant mortality rate. ORS is oral rehydration salts.

1 Defts are computed with simple random sample of children as the denominator.

Table B.2.2 Computed design effects (deft) for the urban sample: Sub-Saharan Africa, Asia/Near East/North Africa, and Latin America/Caribbean, Demographic and Health Surveys I and II

	SUB-SAHARAN AFRICA (DHS-1)											
Variable	Botswana	Burundi	Ghana	Kenya	Liberia	Mali	eria (Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe
Mean per woman												
Age at marriage	0.98	1.09	0.93	1.46	1.17	1.49	1.69	1.00	1.38	1.23	1.60	2.13
Children ever born	1.27	0.93	1.08	1.38	1.47	0.88	2.02	1.18	1.23	1.36	1.54	1.61
Children born to 40-49	1.14	0.98	1.10	1.19	0.90	0.79	1.08	1.08	1.10	1.08	1.08	1.30
Births in last 5 years	1.61	0.85	1.21	1.63	1.52	1.16	2.06	1.43	1.26	1.25	1.47	1.95
Ideal family size	1.34	1.03	1.42	1.37	1.55	1.94	2.37	1.63	1.22	1.63	1.27	2.06
Births 1-4 years	1.43	0.79	1.15	1.55	1.42	1.02	1.91	1.39	1.19	1.03	1.38	1.71
Births 5-9 years	1.13	0.93	1.07	1.12	1.35	-	1.28	1.39	-	1.22	1.37	1.52
Children 0-4 years	1.64	0.84	1.20	1.48	1.36	1.13	1.96	1.33	1.20	1.18	1.35	1.92
Children 1-2 years	1.01	0.98	0.89	1.14	1.07	1.09	1.74	0.98	1.05	1.02	1.21	1.46
Children weighed	-	0.83	1.10	-	-	1.22	1.78	1.18	-	1.10	1.39	1.81
Proportion of women												
Illiterate	1.71	0.94	1.82	1.26	2.31	1.32	2.01	2.02	1.85	1.75	1.55	2.26
Married	1.60	1.12	1.05	1.95	1.90	1.49	1.85	1.64	0.99	1.15	1.36	1.53
Know a method	-	1.04	1.11	1.00	2.09	1.78	2.42	1.26	1.92	1.17	0.94	-
Know a modern method	-	1.03	1.14	0.99	2.21	1.73	2.46	1.38	1.94	2.13	1.16	-
Know source for method	-	1.28	1.18	1.07	2.21	1.91	2.59	1.23	1.74	2.20	1.29	-
Ever used a method	1.56	1.15	1.17	1.44	1.84	1.58	1.50	1.54	1.81	1.03	1.29	1.14
Using any method	1.51	1.20	0.74	1.45	1.43	1.25	1.12	1.16	1.31	1.12	1.26	0.85
Using modern method	1.55	1.41	0.78	1.49	1.43	0.81	1.26	1.22	1.30	1.19	1.28	1.06
Using pill	1.06	0.92	0.98	1.03	1.33	0.93	-	1.25	1.30	-	1.28	1.16
Using IUD	1.34	1.46	-	1.48	-	-	-	-	-	-	-	1.49
Using condom	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	1.01	-	-	1.16	-	-	-	-	-	-	-	1.30
Using public source	1.37	1.22	0.94	1.35	-	1.02	1.48	1.06	1.12	-	1.23	1.66
Want no more children	1.09	0.88	1.06	1.10	1.06	1.36	1.34	1.09	1.19	0.89	1.42	1.64
Want to delay next birth	1.03	0.91	0.93	1.29	1.30	1.21	1.49	0.82	1.19	0.97	0.99	1.26
Proportion of children[1]												
Dead	1.10	1.04	1.27	1.62	1.53	1.31	1.25	1.35	1.20	1.78	1.51	1.56
IMR 1-4 years	1.02	0.63	1.19	1.00	1.27	1.14	0.78	0.88	1.27	1.03	0.92	0.80
IMR 5-9 years	1.09	0.81	1.12	0.95	0.95	-	0.82	0.93	-	1.44	1.17	1.30
Mother received tetanus	1.56	1.05	1.44	1.35	0.91	1.92	3.40	1.34	1.68	2.11	1.07	1.56
Medically delivered	1.42	1.13	2.36	2.58	1.58	1.56	4.44	1.75	1.97	2.48	1.78	2.80
Had diarrhea	1.28	0.93	1.25	1.11	-	0.92	1.67	1.44	1.16	1.41	1.09	1.24
Given ORS	0.90	0.78	1.18	1.45	-	-	-	-	1.14	1.19	1.17	-
Have health card	1.14	0.86	1.07	0.96	1.15	0.96	0.89	1.00	1.17	1.16	1.19	0.98
Immunized	0.96	0.83	1.17	0.90	1.28	1.05	1.24	1.16	1.03	-	1.06	1.00
Weight for height	-	0.94	1.01	-	-	0.93	1.00	0.87	-	1.03	-	-
Height for age	-	0.92	0.90	-	-	1.09	1.17	0.87	-	0.97	1.00	2.40
Weight for age	-	1.01	0.96	-	-	1.10	1.11	1.02	-	1.16	1.09	1.93
n (women)	2,258	637	1,549	1,917	1,785	1,283	1,683	1,862	2,308	1,201	934	1,322
Number of PSUs	78	44	72	98	54	58	38	54	160	66	48	50
b-bar (women)	28.9	14.5	21.5	19.6	33.1	22.1	44.3	34.5	14.4	18.2	19.5	26.4
Effect of weights (Dw)	1.00	1.00	1.00	1.00	1.07	1.03	1.00	1.00	1.00	1.00	1.00	1.00

Table B.2.2—Continued

Variable	SUB-SAHARAN AFRICA (DHS-II)									
	Burkina Faso	Cameroon	Madagascar	Namibia	Niger	Nigeria	Rwanda	Senegal	Tanzania	Zambia
Mean per woman										
Age at marriage	1.24	3.06	1.15	1.42	1.27	1.73	0.87	0.91	1.26	1.08
Children ever born	1.25	1.50	1.00	1.36	1.05	1.44	1.10	0.95	1.65	0.95
Children born to 40-49	1.06	1.05	1.03	1.25	1.34	1.77	1.32	0.80	1.45	1.07
Births in last 5 years	1.49	1.40	1.07	1.25	1.27	1.43	1.02	1.31	2.17	1.13
Ideal family size	1.42	2.53	1.55	1.80	1.50	1.63	1.00	1.58	3.34	1.25
Births 1-4 years	1.40	1.19	0.96	1.03	1.11	1.33	1.08	1.33	2.06	1.24
Births 5-9 years	0.97	1.20	0.88	1.61	1.15	1.11	1.07	1.18	1.25	-
Children 0-4 years	1.32	1.43	1.00	1.29	1.10	1.36	1.03	1.25	1.87	1.08
Children 1-2 years	1.14	1.07	1.08	0.85	0.99	1.30	0.98	1.22	1.83	1.17
Children weighed	-	-	-	-	-	-	-	-	-	-
Proportion of women										
Illiterate	1.38	4.23	1.17	1.60	1.43	2.88	0.94	1.34	1.62	1.14
Married	1.52	2.53	0.92	1.16	1.46	1.83	0.78	1.13	2.18	1.09
Know a method	1.60	3.75	1.53	1.76	2.01	2.13	-	1.41	1.86	1.11
Know a modern method	1.37	3.79	1.45	1.76	1.85	2.13	-	1.49	1.89	1.11
Know source for method	1.48	3.69	1.48	1.89	1.81	2.15	1.29	1.43	1.76	1.22
Ever used a method	1.62	3.59	1.50	2.11	1.26	1.86	1.28	1.19	1.59	1.35
Using any method	1.26	1.98	1.42	1.90	0.95	1.50	1.08	0.96	1.70	1.33
Using modern method	1.30	1.07	1.04	1.86	1.15	1.19	1.29	1.13	1.83	1.32
Using pill	1.10	-	0.97	1.10	1.07	1.20	0.82	1.06	1.98	1.11
Using IUD	1.07	-	-	0.78	-	0.96	-	1.21	-	-
Using condom	1.18	-	0.97	-	-	-	-	-	-	1.03
Sterilized	-	-	0.95	1.91	-	-	-	-	-	1.10
Using public source	1.04	1.13	0.91	1.69	1.12	1.13	0.97	0.97	1.37	1.11
Want no more children	1.35	1.54	1.35	1.24	1.15	1.39	1.04	1.05	1.20	1.12
Want to delay next birth	1.31	1.25	1.11	0.97	1.09	1.55	1.05	0.95	0.97	1.22
Proportion of children[1]										
Dead	1.36	1.51	1.23	1.52	1.59	2.78	1.36	1.26	2.02	1.65
IMR 1-4 years	0.97	1.07	1.19	1.33	1.19	1.27	0.94	0.90	1.74	1.15
IMR 5-9 years	1.01	-	0.99	0.83	1.00	1.05	1.19	0.72	1.07	0.96
Mother received tetanus	1.25	3.66	1.27	1.23	1.76	2.24	1.11	1.17	2.06	1.22
Medically delivered	1.43	4.05	2.13	1.58	1.98	2.88	1.30	1.54	1.43	1.80
Had diarrhea	1.17	1.92	1.10	1.16	1.30	1.24	0.89	1.04	1.70	1.20
Given ORS	1.07	1.36	0.93	1.00	1.07	1.58	1.05	0.93	1.26	0.96
Have health card	0.91	1.25	0.91	1.06	1.03	1.35	1.03	1.07	1.20	1.09
Immunized	1.06	1.83	1.19	1.00	1.44	1.21	1.17	1.28	1.62	1.01
Weight for height	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-
n (women)	2,741	2,186	2,282	1,891	2,696	3,530	1,158	2,635	1,838	3,358
Number of PSUs	106	76	82	50	102	130	48	130	92	146
b-bar (women)	25.9	28.8	27.8	37.8	26.4	27.2	24.1	20.3	20.0	23.0
Effect of weights (Dw)	1.00	1.11	1.00	1.02	1.03	1.16	1.00	1.00	1.44	1.00

Table B.2.2—Continued

Variable	ASIA/NEAR EAST/NORTH AFRICA (DHS-I)						ASIA/NEAR EAST/NORTH AFRICA (DHS-II)				
	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Egypt	Indonesia	Jordan	Morocco	Pakistan
Mean per woman											
Age at marriage	2.66	3.25	1.47	1.34	1.27	1.55	1.91	2.42	1.27	1.20	1.53
Children ever born	1.63	1.32	1.30	1.32	1.25	1.46	1.40	1.13	1.21	1.29	1.58
Children born to 40-49	1.43	1.42	1.31	1.01	1.12	1.58	1.52	1.33	1.26	1.06	1.61
Births in last 5 years	1.58	1.76	1.55	1.12	1.02	1.55	1.41	1.78	1.45	1.49	1.45
Ideal family size	1.85	2.58	1.44	1.39	1.45	2.28	1.13	1.64	1.23	1.16	1.41
Births 1-4 years	1.44	1.78	1.44	1.05	0.93	1.49	1.26	1.69	1.41	1.47	1.48
Births 5-9 years	1.41	1.34	1.39	1.34	1.02	1.45	1.27	1.08	1.00	1.40	-
Children 0-4 years	1.53	1.77	1.47	1.10	0.99	1.57	1.39	1.70	-	1.46	1.41
Children 1-2 years	0.99	1.31	1.04	1.17	1.01	1.13	1.33	1.38	1.15	1.17	1.38
Children weighed	1.28	-	1.39	1.20	1.15	1.42	-	-	-	-	-
Proportion of women											
Illiterate	2.97	3.51	1.77	1.35	1.01	2.21	2.17	1.88	1.69	1.89	2.50
Married	1.16	1.36	1.17	1.02	1.08	1.19	1.26	1.51	1.29	1.19	1.51
Know a method	-	2.28	-	-	-	-	-	-	-	-	1.44
Know a modern method	-	2.32	-	-	-	-	-	-	-	-	1.44
Know source for method	-	2.39	-	-	-	-	-	1.92	1.26		1.51
Ever used a method	2.31	2.48	1.86	1.06	1.33	2.48	1.44	1.71	1.45	1.42	1.54
Using any method	1.94	2.19	1.66	1.27	1.13	1.81	1.35	1.74	1.27	1.41	1.55
Using modern method	1.82	2.25	1.38	1.18	1.14	1.66	1.33	1.72	1.21	1.23	1.44
Using pill	1.57	1.97	1.32	1.16	1.34	1.55	1.11	1.49	1.14	1.14	-
Using IUD	1.55	2.77	1.29	-	1.21	1.27	1.18	1.72	1.17	1.03	-
Using condom	1.20	1.89	-	0.97	-	-	1.35	-	-	-	1.52
Sterilized	-	1.64	1.03	1.09	1.19	1.47	-	1.44	1.17	1.02	1.69
Using public source	1.77	2.27	1.22	1.17	1.22	1.62	1.54	1.54	1.10	1.31	1.46
Want no more children	1.21	1.78	1.18	1.15	1.04	1.40	1.20	1.37	1.09	1.11	1.59
Want to delay next birth	1.22	1.85	1.12	0.89	1.01	1.02	1.23	1.49	1.00	1.10	1.47
Proportion of children[1]											
Dead	1.79	3.30	1.91	1.22	1.41	1.64	1.59	2.34	1.32	1.55	1.93
IMR 1-4 years	1.12	1.42	1.12	-	-	1.31	1.28	1.62	1.17	1.31	1.42
IMR 5-9 years	1.34	1.24	1.15	1.37	1.17	1.27	1.05	1.30	-	1.10	-
Mother received tetanus	1.89	-	-	1.33	1.23	1.87	1.64	2.05	1.35	1.10	1.96
Medically delivered	3.17	4.13	2.73	1.28	1.48	4.33	2.39	-	2.23	2.62	-
Had diarrhea	-	-	1.27	1.25	1.17	1.39	1.66	1.59	1.03	1.07	1.86
Given ORS	-	-	1.26	-	1.10	-	1.35	0.89	1.11	1.05	1.51
Have health card	1.25	-	1.46	0.81	1.00	1.44	1.12	1.26	1.19	1.02	1.09
Immunized	1.32	-	1.11	1.07	1.03	0.89	1.13	1.49	1.29	0.82	1.49
Weight for height	-	-	-	1.20	0.97	0.92	-	-	-	-	-
Height for age	1.47	-	1.97	1.15	1.09	1.54	-	-	-	-	-
Weight for age	1.01	-	1.59	1.28	1.00	1.32	-	-	-	-	-
n (women)	4,410	4,431	2,781	1,011	2,423	2,527	4,673	7,051	4,584	4,550	3,384
Number of PSUs	110	154	142	58	96	108	228	363	234	132	214
b-bar (women)	40.1	28.8	19.6	17.4	25.2	23.4	20.5	19.4	19.6	34.5	15.8
Effect of weights (Dw)	1.04	1.26	1.00	1.02	1.03	1.00	1.16	1.34	1.06	1.00	1.35

Table B.2.2—Continued

Variable	LATIN AMERICA/CARIBBEAN (DHS-I)									
	Bolivia	Brazil	Colombia	Dominican R.	Ecuador	El Salvador	Guatemala	Mexico	Peru	T&T
Mean per woman										
Age at marriage	1.43	1.34	1.40	1.40	1.21	0.92	1.47	1.84	1.31	1.06
Children ever born	1.37	1.39	1.70	1.41	1.32	1.73	1.31	1.89	1.26	1.03
Children born to 40-49	1.33	1.13	1.15	1.17	1.26	1.14	1.09	1.88	1.23	0.90
Births in last 5 years	1.39	1.40	1.92	1.49	1.52	1.80	1.67	2.24	1.36	1.11
Ideal family size	1.29	1.27	1.49	1.22	1.28	1.76	1.48	1.91	1.12	1.05
Births 1-4 years	1.32	1.31	1.89	1.39	1.40	1.95	1.52	1.69	1.33	1.10
Births 5-9 years	1.36	1.27	1.75	1.43	1.35	1.22	1.29	1.60	1.43	1.11
Children 0-4 years	1.37	1.36	1.90	1.45	1.46	1.73	1.53	2.23	1.36	1.11
Children 1-2 years	1.30	0.97	1.38	1.34	0.88	1.56	1.26	2.09	1.04	1.06
Children weighed	1.28	1.07	1.64	1.30	-	-	1.60	-	-	0.99
Proportion of women										
Illiterate	1.25	1.75	1.45	1.50	1.53	0.98	2.74	1.64	1.19	1.33
Married	1.23	1.40	1.63	1.40	1.36	1.26	1.32	2.11	1.29	1.13
Know a method	1.41	-	-	-	1.34	1.23	3.15	-	-	-
Know a modern method	1.40	-	-	-	1.33	1.23	3.15	-	-	-
Know source for method	1.36	-	-	-	1.35	1.10	3.14	-	-	-
Ever used a method	1.30	1.35	1.35	1.38	1.42	1.35	2.18	2.94	1.02	1.07
Using any method	1.34	1.28	1.38	1.30	1.35	1.14	1.77	2.31	0.86	1.01
Using modern method	1.20	1.17	1.33	1.28	1.23	1.23	1.63	1.85	0.94	1.09
Using pill	1.36	1.20	1.16	1.25	1.14	1.18	1.33	1.47	0.96	1.04
Using IUD	1.24	-	1.07	1.46	1.17	0.91	0.96	1.75	1.08	1.24
Using condom	-	-	-	-	-	-	-	-	-	1.01
Sterilized	1.10	1.31	1.12	1.29	1.06	0.94	1.30	1.46	1.11	1.03
Using public source	1.03	1.25	1.31	1.39	0.95	1.25	1.51	1.56	0.93	1.03
Want no more children	1.16	1.27	1.30	1.17	0.87	1.10	1.31	1.75	1.09	0.99
Want to delay next birth	1.22	1.22	0.97	1.06	1.09	0.90	1.10	1.35	1.02	0.88
Proportion of children[1]										
Dead	1.61	1.80	1.45	1.55	1.32	1.21	1.97	2.18	1.24	1.52
IMR 1-4 years	1.22	1.11	1.20	1.19	0.99	1.17	1.06	1.13	0.84	1.15
IMR 5-9 years	1.43	1.34	1.54	1.38	1.03	1.59	1.29	1.96	1.07	1.30
Mother received tetanus	1.53	1.82	1.60	1.25	1.57	1.52	1.65	-	1.18	1.42
Medically delivered	1.93	-	3.18	1.35	2.19	1.64	3.24	2.92	1.56	1.06
Had diarrhea	1.30	1.19	1.32	1.48	-	0.85	0.98	1.91	1.22	1.06
Given ORS	1.26	1.36	1.10	1.14	-	1.17	1.08	1.28	0.90	1.25
Have health card	1.18	1.15	1.13	1.23	-	1.20	1.33	-	0.97	1.14
Immunized	1.10	1.10	1.14	1.21	-	0.98	1.19	-	0.89	-
Weight for height	-	-	-	-	-	-	-	-	-	1.11
Height for age	1.28	1.24	1.31	1.55	-	-	1.63	-	-	0.95
Weight for age	1.32	1.15	1.05	1.14	-	-	1.51	-	-	1.03
n (women)	5,139	4,391	4,281	4,529	2,790	3,271	2,096	5,989	1,579	1,728
Number of PSUs	490	252	148	364	120	88	122	280	116	90
b-bar (women)	10.5	17.4	28.9	12.4	23.3	37.2	17.2	21.4	13.6	19.2
Effect of weights (Dw)	1.20	1.07	1.03	1.16	1.00	1.03	1.00	1.61	1.00	1.00

Table B.2.2—Continued

Variable	LATIN AMERICA/CARIBBEAN (DHS-II)				
	Northeast Brazil	Colombia	Dominican R.	Paraguay	Peru
Mean per woman					
Age at marriage	1.29	1.44	1.71	1.47	1.32
Children ever born	1.24	1.49	1.38	1.53	1.17
Children born to 40-49	1.34	2.36	1.30	1.23	1.13
Births in last 5 years	1.51	1.52	1.46	1.32	1.25
Ideal family size	1.48	1.58	1.12	1.25	1.17
Births 1-4 years	1.68	1.36	1.37	1.25	1.27
Births 5-9 years	1.29	1.38	1.23	1.05	1.12
Children 0-4 years	1.51	1.55	1.48	1.29	1.24
Children 1-2 years	1.23	1.20	1.41	1.07	1.07
Children weighed	-	-	-	-	-
Proportion of women					
Illiterate	-	1.20	1.44	1.03	1.08
Married	1.54	1.45	1.60	1.28	1.18
Know a method	-	-	-	-	-
Know a modern method	-	-	-	-	-
Know source for method	-	-	-	1.17	1.10
Ever used a method	1.39	1.55	1.33	1.23	1.06
Using any method	1.28	1.46	1.27	1.11	1.14
Using modern method	1.18	1.31	1.37	1.13	1.12
Using pill	1.27	1.49	1.16	1.30	1.16
Using IUD	-	1.34	-	1.08	1.15
Using condom	-	1.14	-	0.98	1.24
Sterilized	1.11	1.55	1.14	1.04	1.10
Using public source	1.45	1.43	1.57	1.00	1.09
Want no more children	1.45	1.36	1.58	1.24	1.18
Want to delay next birth	1.15	1.19	1.56	0.94	1.17
Proportion of children[1]					
Dead	1.90	1.95	1.55	1.67	1.09
IMR 1-4 years	1.12	-	1.13	0.84	1.05
IMR 5-9 years	1.28	-	1.19	-	1.06
Mother received tetanus	1.92	1.59	2.09	1.64	1.34
Medically delivered	1.51	2.09	-	1.81	1.68
Had diarrhea	1.40	1.45	1.28	1.45	1.36
Given ORS	1.23	2.62	1.27	1.34	1.11
Have health card	-	1.50	1.25	1.01	1.18
Immunized	1.09	1.31	1.45	1.15	1.19
Weight for height	-	-	-	-	-
Height for age	-	-	-	-	-
Weight for age	-	-	-	-	-
n (women)	4,315	6,995	4,854	2,901	11,777
Number of PSUs	224	170	232	132	669
b-bar (women)	19.3	41.1	20.9	22.0	17.6
Effect of weights (Dw)	1.26	1.12	1.30	1.04	1.07

Note: PSU is primary sampling unit. IUD is intrauterine device. IMR is infant mortality rate. ORS is oral rehydration salts.

[1] Defts are computed with simple random sample of children as the denominator.

Table B.2.3 Computed design effects (deft) for the rural sample: Sub-Saharan Africa, Asia/Near East/North Africa, and Latin America/Caribbean, Demographic and Health Surveys I and II

	SUB-SAHARAN AFRICA (DHS-I)											
Variable	Botswana	Burundi	Ghana	Kenya	Liberia	Mali	Nigeria (Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe
Mean per woman												
Age at marriage	1.26	1.26	1.31	1.76	1.58	1.37	1.57	1.25	1.29	1.15	1.23	0.91
Children ever born	1.21	0.92	1.27	1.47	1.22	1.15	1.99	0.75	1.07	1.37	1.02	1.11
Children born to 40-49	1.03	1.04	1.04	1.29	1.07	1.17	1.08	0.98	1.01	1.11	1.12	0.98
Births in last 5 years	1.03	1.23	1.35	1.58	1.20	1.39	1.94	0.94	1.28	1.24	1.10	1.12
Ideal family size	1.34	1.50	2.47	2.69	1.95	1.35	1.35	1.44	1.35	2.04	1.66	1.34
Births 1-4 years	1.07	1.17	1.38	1.54	1.25	1.23	1.71	0.88	1.09	1.05	1.15	1.16
Births 5-9 years	1.25	1.04	1.13	-	1.26	-	1.63	0.99	-	1.37	1.14	0.97
Children 0-4 years	1.04	1.09	1.36	1.64	1.01	1.56	1.87	0.95	-	1.30	1.05	1.04
Children 1-2 years	0.97	1.00	1.25	1.26	1.12	1.32	1.39	0.81	0.99	1.05	1.08	1.27
Children weighed	-	0.93	1.25	-	-	1.42	1.79	0.94	-	1.25	0.98	1.20
Proportion of women												
Illiterate	1.25	2.01	2.71	1.79	3.88	1.46	2.30	1.99	1.84	2.01	1.86	2.18
Married	1.35	1.35	1.60	1.79	2.10	1.41	2.08	1.22	1.06	1.52	1.39	1.01
Know a method	2.45	1.66	2.33	2.04	2.06	1.50	1.56	1.61	2.28	1.43	1.60	-
Know a modern method	2.52	1.88	2.50	2.37	2.06	1.46	1.62	1.80	2.30	2.05	1.75	1.33
Know source for method	2.50	1.59	2.25	1.98	2.06	1.63	1.58	1.68	2.00	1.93	1.59	1.32
Ever used a method	1.57	1.38	1.72	1.93	2.42	1.43	1.41	2.10	1.81	1.48	1.73	1.36
Using any method	1.19	1.27	1.36	1.75	2.15	-	1.36	1.62	1.10	1.50	1.16	1.19
Using modern method	1.22	-	1.41	1.46	2.24	-	1.41	-	-	-	-	1.28
Using pill	0.90	-	-	1.41	-	-	-	-	-	-	-	1.29
Using IUD	1.21	-	-	1.26	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-	-
Sterilized	1.07	-	-	1.50	-	-	-	-	-	-	-	-
Using public source	1.19	-	-	1.33	-	-	-	-	-	-	-	1.52
Want no more children	1.02	1.24	1.60	1.62	1.67	1.12	1.43	1.29	1.25	1.37	1.15	1.15
Want to delay next birth	1.35	1.32	1.34	1.34	1.25	1.26	1.52	1.25	1.16	1.05	1.08	1.15
Proportion of children[1]												
Dead	1.46	1.51	1.56	2.79	2.18	1.87	1.18	1.92	1.73	1.34	1.18	1.55
IMR 1-4 years	1.10	1.17	1.22	1.11	1.39	0.89	1.27	1.19	1.51	0.97	0.97	1.23
IMR 5-9 years	1.06	1.07	1.05	-	1.32	-	0.95	1.10	-	1.22	1.28	1.14
Mother received tetanus	1.71	2.67	2.51	1.73	1.80	1.57	2.57	2.36	2.15	3.21	1.81	1.56
Medically delivered	1.87	2.94	2.92	3.13	2.47	1.66	2.79	2.50	2.90	3.15	2.59	2.08
Had diarrhea	1.61	1.16	1.41	1.07	-	1.50	1.02	1.38	-	1.07	1.26	1.07
Given ORS	0.84	1.49	1.49	1.25	-	-	0.93	-	-	1.31	1.23	-
Have health card	1.02	1.36	1.56	1.24	1.51	1.23	1.40	1.16	1.40	1.43	1.22	1.10
Immunized	1.24	1.17	1.43	1.56	1.98	-	1.06	1.67	1.26	-	1.25	1.19
Weight for height	-	1.05	1.16	-	-	1.32	1.47	0.97	-	0.93	-	-
Height for age	-	1.21	1.09	-	-	0.97	1.37	1.06	-	1.20	1.01	1.41
Weight for age	-	1.08	1.00	-	-	1.28	1.29	1.10	-	1.26	1.17	1.46
n (women)	2,110	3,333	2,939	5,233	3,454	1,917	2,530	2,553	3,552	2,159	3,796	2,879
Number of PSUs	76	100	78	344	102	90	52	82	154	86	158	116
b-bar (women)	27.8	33.3	37.7	15.2	33.9	21.3	48.7	31.1	23.1	25.1	24.0	24.8
Effect of weights (Dw)	1.00	1.00	1.00	1.27	1.17	1.05	1.00	1.00	1.00	1.00	1.09	1.00

Table B.2.3—Continued

Variable	SUB-SAHARAN AFRICA (DHS-II)									
	Burkina Faso	Cameroon	Madagascar	Namibia	Niger	Nigeria	Rwanda	Senegal	Tanzania	Zambia
Mean per woman										
Age at marriage	1.62	1.50	1.41	1.47	1.37	3.00	1.71	1.48	1.33	1.25
Children ever born	1.03	1.25	0.99	1.17	1.27	1.57	1.22	1.16	1.10	1.22
Children born to 40-49	1.14	1.23	0.98	0.97	1.31	1.57	1.09	1.14	1.18	1.11
Births in last 5 years	1.16	0.93	1.20	1.50	1.33	1.53	1.40	1.32	1.35	1.36
Ideal family size	1.63	1.89	1.95	1.49	1.75	1.87	1.48	1.75	1.66	1.37
Births 1-4 years	1.11	0.82	1.17	1.42	1.22	1.52	1.27	1.26	1.14	1.35
Births 5-9 years	1.01	0.98	1.22	1.32	1.08	1.19	1.08	1.27	1.48	
Children 0-4 years	1.09	0.99	1.10	1.49	1.29	1.50	1.35	1.29	1.32	1.38
Children 1-2 years	0.86	0.84	0.95	1.23	1.06	1.30	1.02	0.91	1.08	1.09
Children weighed	-	-	-	-	-	-	-	-	-	-
Proportion of women										
Illiterate	1.15	2.43	1.68	1.28	-	3.57	1.66	1.77	1.82	1.99
Married	1.37	1.13	1.26	1.63	1.11	2.31	1.45	1.40	1.64	1.40
Know a method	2.21	1.80	1.55	1.65	1.81	2.70	-	1.96	1.98	1.25
Know a modern method	2.19	1.74	1.54	1.65	2.07	2.75	-	1.75	2.05	1.45
Know source for method	2.16	1.76	1.75	1.52	2.61	2.94	1.47	1.91	1.86	1.51
Ever used a method	1.94	1.95	1.40	1.55	1.61	2.34	1.62	1.56	1.68	1.71
Using any method	1.76	1.59	1.26	1.17	1.28	2.22	1.44	1.32	1.39	1.61
Using modern method	-	1.18	1.27	1.15	-	-	1.55	-	1.05	1.39
Using pill	-	-	-	1.27	-	-	1.54	-	-	-
Using IUD	-	-	-	-	-	-	-	-	-	-
Using condom	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	0.99	-	-	-	-	-	-
Using public source	-	-	0.97	1.09	-	0.85	1.32	-	1.13	1.30
Want no more children	1.51	0.97	1.34	1.30	1.15	1.43	1.12	1.23	1.05	1.02
Want to delay next birth	1.17	1.42	1.17	1.18	1.27	1.34	1.13	1.15	1.30	1.15
Proportion of children[1]										
Dead	1.62	1.94	1.78	1.25	2.08	2.95	1.62	1.40	2.07	1.42
IMR 1-4 years	1.13	1.04	1.13	0.99	1.20	1.33	1.13	1.20	1.31	1.15
IMR 5-9 years	0.82	0.85	1.05	0.99	1.06	1.22	0.99	0.98	1.61	0.90
Mother received tetanus	2.39	1.88	2.26	1.85	3.43	5.42	1.55	2.75	1.81	2.37
Medically delivered	3.56	2.15	3.87	1.70	3.32	3.54	1.93	3.37	2.98	2.39
Had diarrhea	1.14	1.37	1.23	1.41	1.51	1.65	1.10	1.36	1.41	1.14
Given ORS	1.29	1.05	1.11	1.18	1.32	1.22	1.15	1.15	1.36	1.25
Have health card	1.26	1.27	1.44	1.15	1.78	1.51	1.16	1.47	1.58	1.36
Immunized	1.25	1.67	1.44	1.18	1.37	1.62	1.29	1.52	1.43	1.41
Weight for height	-	-	-	-	-	-	-	-	-	-
Height for age	-	-	-	-	-	-	-	-	-	-
Weight for age	-	-	-	-	-	-	-	-	-	-
n (women)	3,613	1,685	3,978	3,530	3,807	5,251	5,393	3,675	7,400	3,702
Number of PSUs	118	66	130	110	126	164	142	122	254	106
b-bar (women)	30.6	25.5	30.6	32.1	30.2	32.0	38.0	30.1	29.1	34.9
Effect of weights (Dw)	1.00	1.01	1.00	1.03	1.00	1.32	1.00	1.00	1.14	1.04

Table B.2.3—Continued

Variable	ASIA/NEAR EAST/NORTH AFRICA (DHS-I)						ASIA/NEAR EAST/NORTH AFRICA (DHS-II)				
	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Egypt	Indonesia	Jordan	Morocco	Pakistan
Mean per woman											
Age at marriage	1.69	2.20	1.51	1.53	1.59	1.55	1.58	1.71	1.28	1.33	1.50
Children ever born	1.02	1.78	1.31	1.06	1.49	1.61	1.03	1.63	1.28	1.25	1.43
Children born to 40-49	1.31	1.64	1.14	1.16	1.46	1.35	1.15	1.78	0.91	1.40	1.17
Births in last 5 years	1.22	1.89	1.50	1.10	1.45	1.46	1.34	1.54	1.28	1.65	1.51
Ideal family size	1.39	2.46	2.30	1.37	2.00	2.09	1.22	1.61	1.43	2.25	1.39
Births 1-4 years	1.15	1.84	1.42	1.13	1.43	1.36	1.37	1.58	-	1.54	1.46
Births 5-9 years	-	1.48	-	1.12	1.48	-	1.22	1.47	1.23	1.14	-
Children 0-4 years	-	1.77	-	1.11	1.36	-	1.30	1.48	-	1.52	1.44
Children 1-2 years	0.96	1.11	1.28	0.96	1.10	1.07	1.22	1.36	1.15	1.06	1.24
Children weighed	0.93	-	1.64	1.04	1.12	1.48					
Proportion of women											
Illiterate	2.13	2.91	1.73	1.32	2.38	1.96	2.09	2.24	1.63	2.64	1.49
Married	1.34	1.36	1.06	1.12	1.10	0.87	1.08	1.53	1.14	1.36	1.24
Know a method	1.27	3.04	2.50	-	-	-	-	2.58	-	-	2.06
Know a modern method	1.30	3.03	2.50	-	-	-	-	2.63	-	-	2.12
Know source for method	1.49	2.91	2.78	-	-	1.32	1.84	2.52	1.80	2.66	1.73
Ever used a method	2.42	2.28	3.36	1.13	1.54	1.95	1.64	2.06	1.61	2.81	1.51
Using any method	1.88	2.13	2.65	1.16	1.49	1.66	1.70	2.07	1.64	2.29	1.40
Using modern method	1.96	2.22	2.50	1.20	1.49	1.55	1.67	2.13	1.76	2.33	1.40
Using pill	1.74	2.28	2.15	1.26	1.56	1.69	1.54	1.89	2.01	2.21	-
Using IUD	1.84	2.27	-	-	1.98	1.39	1.31	2.37	1.65	-	-
Using condom	-	-	-	-	-	-	-	-	-	-	-
Sterilized	-	-	-	1.32	1.74	0.84	-	-	1.06	-	-
Using public source	1.68	2.34	1.78	1.23	1.46	1.31	1.34	1.78	1.47	2.05	1.23
Want no more children	1.49	1.60	1.64	1.32	1.57	1.24	1.26	1.73	1.16	1.49	1.46
Want to delay next birth	1.17	1.31	1.28	1.19	1.14	1.24	1.16	1.42	1.15	1.61	1.45
Proportion of children[1]											
Dead	2.07	2.21	2.28	1.56	1.59	2.06	1.56	1.97	1.65	1.70	1.30
IMR 1-4 years	1.37	1.47	1.22	1.32	1.36	0.87	1.01	1.81	1.20	1.28	1.29
IMR 5-9 years	-	1.64	-	1.24	1.31	-	1.19	1.79	-	1.10	-
Mother received tetanus	2.49	-	-	1.29	1.95	1.97	1.77	2.54	1.71	1.16	1.95
Medically delivered	2.45	3.37	2.79	1.93	2.50	2.83	2.29	2.21	2.14	3.03	-
Had diarrhea	-	-	-	1.25	1.30	-	1.23	1.63	1.34	1.29	1.35
Given ORS	-	-	-	1.05	1.18	-	1.05	1.47	1.04	1.23	1.41
Have health card	0.95	-	2.16	1.13	1.42	0.94	1.38	1.74	1.42	1.89	1.45
Immunized	1.66	-	1.92	1.12	1.18	1.13	1.43	1.47	1.34	2.12	1.29
Weight for height	-	-	1.53	1.15	1.36	1.12	-	-	-	-	-
Height for age	1.02	-	1.51	1.28	1.05	1.22	-	-	-	-	-
Weight for age	1.04	-	1.75	1.18	1.31	1.00	-	-	-	-	-
n (women)	4,501	7,453	3,201	4,854	4,352	1,657	5,191	15,858	1,877	4,706	3,227
Number of PSUs	116	246	70	212	192	48	208	805	110	68	176
b-bar (women)	38.8	30.3	45.7	22.9	22.7	34.5	25.0	19.7	17.1	69.2	18.3
Effect of weights (Dw)	1.02	1.16	1.00	1.05	1.14	1.00	1.08	1.40	1.12	1.00	1.21

Table B.2.3—Continued

Variable	LATIN AMERICA/CARIBBEAN (DHS-I)									
	Bolivia	Brazil	Colombia	Dominican R.	Ecuador	El Salvador	Guatemala	Mexico	Peru	T&T
Mean per woman										
Age at marriage	1.19	0.90	2.30	1.56	1.40	0.84	1.12	1.08	1.11	1.09
Children ever born	1.34	1.12	1.76	1.29	1.45	1.02	1.10	1.72	0.85	0.97
Children born to 40-49	1.34	1.03	1.84	1.13	1.18	1.01	1.01	1.52	1.01	1.09
Births in last 5 years	1.41	1.43	1.44	1.56	1.32	1.05	1.30	1.70	0.95	1.24
Ideal family size	1.45	1.45	1.58	1.23	1.70	1.29	1.82	1.74	1.35	1.05
Births 1-4 years	1.29	1.31	1.31	1.59	1.08	0.99	1.30	1.52	0.87	1.14
Births 5-9 years	1.37	1.25	1.63	1.36	1.26	1.00	0.93	1.53	1.10	1.01
Children 0-4 years	1.37	1.44	1.47	1.56	1.25	1.26	1.28	1.56	1.07	1.24
Children 1-2 years	1.17	1.05	1.11	1.11	1.17	0.72	1.09	1.01	0.93	1.07
Children weighed	1.32	1.50	1.28	1.28	-	-	1.29	-	-	1.26
Proportion of women										
Illiterate	2.11	1.77	1.50	1.37	2.39	1.02	2.18	1.78	1.61	0.99
Married	1.47	1.42	1.35	1.18	1.38	1.05	1.31	1.40	1.17	0.93
Know a method	1.70	-	-	-	2.43	1.29	1.90	3.00	1.13	-
Know a modern method	1.97	-	-	-	2.45	1.29	1.92	3.02	1.21	-
Know source for method	1.75	1.34	-	1.11	2.43	1.33	1.92	-	1.23	-
Ever used a method	1.47	1.28	1.05	1.17	1.93	1.42	1.98	2.42	1.47	1.11
Using any method	1.56	1.41	1.19	1.24	1.58	1.37	1.72	2.23	1.26	1.24
Using modern method	1.49	1.46	1.41	1.08	1.36	1.28	1.60	1.97	1.39	1.32
Using pill	-	1.26	1.09	1.21	1.28	1.20	-	1.26	1.81	1.29
Using IUD	-	-	1.27	-	1.19	-	-	1.29	1.13	1.19
Using condom	-	-	-	-	-	-	-	-	-	0.90
Sterilized	-	1.48	1.55	1.26	1.10	1.57	1.43	1.64	1.06	1.12
Using public source	1.41	1.43	1.47	1.21	1.15	1.22	1.61	1.73	1.44	1.06
Want no more children	1.51	1.26	0.80	1.33	1.05	0.78	1.36	1.42	1.30	1.02
Want to delay next birth	1.37	1.35	1.03	1.25	1.15	1.09	1.21	1.04	1.41	1.28
Proportion of children[1]										
Dead	1.23	1.70	2.49	1.20	1.75	1.30	1.69	1.59	1.38	0.99
IMR 1-4 years	1.40	1.18	0.98	1.33	1.01	1.30	0.95	1.33	1.10	0.93
IMR 5-9 years	1.11	1.37	0.87	1.13	1.27	0.68	1.30	1.51	1.03	0.98
Mother received tetanus	1.59	1.82	1.46	1.07	2.26	1.75	1.73	-	1.44	1.36
Medically delivered	2.43	-	2.14	1.73	2.68	2.06	2.74	2.80	1.96	0.98
Had diarrhea	1.18	1.36	1.07	1.29	-	1.13	1.31	1.38	1.00	0.99
Given ORS	1.57	0.88	1.08	1.35	-	1.14	1.09	0.83	1.50	1.16
Have health card	1.23	1.14	0.90	1.58	-	1.04	1.21	-	1.29	0.96
Immunized	1.24	1.34	1.23	-	-	0.97	1.02	-	1.08	-
Weight for height	-	-	-	-	-	-	-	-	-	0.76
Height for age	1.54	1.80	1.55	1.26	-	-	1.35	-	-	1.06
Weight for age	1.27	1.43	2.02	1.13	-	-	1.13	-	-	0.89
n (women)	2,784	1,501	1,048	3,116	1,923	1,936	3,064	3,321	3,420	2,078
Number of PSUs	186	92	32	240	74	38	120	94	26	88
b-bar (women)	15.0	16.3	32.8	13.0	26.0	50.9	25.5	35.3	131.5	23.6
Effect of weights (Dw)	1.21	1.03	1.03	1.13	1.00	1.03	1.00	1.14	1.00	1.00

Table B.2.3—Continued

Variable	LATIN AMERICA/CARIBBEAN (DHS-II)				
	Northeast Brazil	Colombia	Dominican R.	Paraguay	Peru
Mean per woman					
Age at marriage	1.09	1.37	1.80	1.35	1.17
Children ever born	1.47	2.13	1.81	1.21	1.22
Children born to 40-49	1.01	1.90	1.52	1.24	1.05
Births in last 5 years	1.86	1.28	2.02	1.35	1.44
Ideal family size	2.60	1.59	1.30	1.42	1.29
Births 1-4 years	2.16	1.42	1.75	1.32	1.33
Births 5-9 years	1.02	1.96	1.46	1.07	1.19
Children 0-4 years	2.04	1.31	1.93	1.30	1.37
Children 1-2 years	1.28	1.26	1.34	1.16	0.92
Children weighed	-	-	-	-	-
Proportion of women					
Illiterate	-	1.01	1.80	1.22	1.46
Married	1.39	1.54	2.13	1.29	1.21
Know a method	-	-	-	1.16	1.68
Know a modern method	-	-	-	1.18	1.75
Know source for method	1.46	1.98	2.41	1.29	1.65
Ever used a method	1.51	1.39	2.18	1.45	1.46
Using any method	1.49	1.53	2.16	1.46	1.46
Using modern method	1.55	1.58	2.00	1.33	1.29
Using pill	1.80	1.25	1.31	1.19	1.10
Using IUD	-	1.24	-	-	1.35
Using condom	-	2.10	-	-	-
Sterilized	1.89	1.63	1.90	1.45	1.31
Using public source	1.50	1.56	1.55	1.43	1.20
Want no more children	1.55	1.31	1.58	1.01	1.26
Want to delay next birth	1.07	1.30	1.81	0.94	1.17
Proportion of children[1]					
Dead	1.97	1.78	1.68	1.23	1.64
IMR 1-4 years	2.02	-	1.66	1.16	1.07
IMR 5-9 years	1.14	-	1.44	1.10	1.06
Mother received tetanus	1.72	1.73	1.62	1.96	2.12
Medically delivered	1.96	2.07	2.90	1.99	2.24
Had diarrhea	2.12	1.23	2.08	1.28	1.43
Given ORS	1.24	1.27	1.29	1.25	1.52
Have health card	-	1.31	1.69	1.32	1.15
Immunized	1.67	1.11	1.25	1.04	1.36
Weight for height	-	-	-	-	-
Height for age	-	-	-	-	-
Weight for age	-	-	-	-	-
n (women)	1,908	1,649	2,466	2,926	4,105
Number of PSUs	130	66	156	128	231
b-bar (women)	14.7	25.0	15.8	22.9	17.8
Effect of weights (Dw)	1.33	1.15	1.45	1.05	1.05

Note: PSU is primary sampling unit. IUD is intrauterine device. IMR is infant mortality rate. ORS is oral rehydration salts.

[1] Defts are computed with simple random sample of children as the denominator.

Table B.3.1 Computed design effects (deft), with imputation for cells not computed, for the total sample, Demographic and Health Surveys I and II

Deft rank (total)	Variable	Deft rank (total) 1	2	3	4	5	6	7	8	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Nigeria 2	Indonesia 1	Mexico 1	Indonesia 2	Egypt 1	Colombia 2	Northeast Brazil 2	Thailand 1				
1	Medically delivered	3.83	3.44	3.37	1.77	3.34	2.29	2.36	2.78	46	2.54	48	2.54
2	Know a modern method	2.81	3.02	3.23	2.62	*2.44*	*2.33*	*2.29*	*2.26*	32	2.10	48	2.08
3	Mother received tetanus	4.96	*2.68*	*2.51*	2.52	2.36	1.72	2.02	2.01	45	2.00	48	2.02
4	Know a method	2.80	3.03	3.26	2.58	*2.36*	*2.25*	*2.21*	*2.18*	30	2.04	48	2.01
5	Know source for method	3.23	2.90	*2.41*	2.47	1.70	*2.15*	1.65	*2.11*	40	1.95	48	1.94
6	Illiterate	4.13	3.05	1.97	2.19	3.06	1.22	*2.14*	2.55	47	1.90	48	1.91
7	Dead	2.90	2.28	2.09	2.41	1.96	2.15	2.09	1.95	48	1.76	48	1.76
8	Ever used a method	2.50	2.34	2.57	2.00	2.79	1.58	1.70	1.65	48	1.74	48	1.74
9	Ideal family size	2.04	2.52	1.97	1.62	1.76	1.78	2.22	2.11	48	1.71	48	1.71
10	Age at marriage	2.65	2.49	1.56	2.00	2.67	1.49	1.22	1.63	48	1.50	48	1.50
11	Using any method	2.13	2.14	2.13	2.00	2.33	1.61	1.43	1.56	48	1.50	48	1.50
12	Births in last 5 years	1.67	1.88	1.90	1.61	1.43	1.51	1.99	1.52	48	1.44	48	1.44
13	Married	2.48	1.37	1.77	1.52	1.27	1.63	1.55	1.16	48	1.43	48	1.43
14	Using modern method	1.50	2.24	1.81	2.03	2.27	1.57	1.37	1.57	44	1.44	48	1.43
15	Using IUD	*1.97*	2.42	1.68	2.20	1.94	1.34	*1.56*	2.13	22	1.44	48	1.42
16	Children 0-4 years	1.62	1.79	1.84	1.55	1.38	1.54	2.09	1.43	45	1.42	48	1.41
17	Using pill	*1.96*	2.25	1.36	1.80	1.67	1.45	1.52	1.64	33	1.40	48	1.41
18	Using condom	*1.92*	*1.91*	*1.72*	*1.65*	*1.60*	1.72	*1.52*	*1.52*	5	1.27	48	1.38
19	Births 1-4 years	1.66	1.85	1.63	1.61	1.35	1.54	2.23	1.50	47	1.39	48	1.38
20	Using public source	1.04	2.33	1.66	1.69	1.84	1.59	1.50	1.53	41	1.37	48	1.36
21	Sterilized	*1.89*	1.95	1.50	1.49	*1.60*	1.70	1.46	1.79	26	1.35	48	1.36
22	Children ever born	1.57	1.70	1.75	1.52	1.50	2.27	1.58	1.62	48	1.35	48	1.35
23	Had diarrhea	1.72	*1.80*	1.58	1.53	*1.64*	1.46	1.96	1.49	44	1.33	48	1.34
24	Children weighed	*1.85*	*1.84*	*1.66*	*1.59*	1.09	*1.49*	*1.47*	1.20	19	1.29	48	1.34
25	Have health card	1.54	*1.78*	*1.65*	1.58	1.04	1.46	*1.51*	1.42	44	1.31	48	1.33
26	Height for age	*1.84*	*1.83*	*1.65*	*1.59*	1.23	*1.49*	*1.46*	1.23	19	1.28	48	1.33
27	Want no more children	1.48	1.65	1.59	1.64	1.47	1.42	1.46	1.63	48	1.32	48	1.32
28	Immunized	1.63	*1.75*	*1.63*	1.51	1.48	1.31	1.47	1.28	43	1.31	48	1.31
29	Births 5-9 years	1.28	1.46	1.56	1.39	1.39	2.04	1.20	1.58	42	1.30	48	1.29
30	Weight for age	*1.79*	*1.78*	*1.60*	*1.54*	1.02	*1.44*	*1.42*	1.46	19	1.24	48	1.29
31	Children born to 40-49	1.67	1.59	1.76	1.67	1.48	2.58	1.26	1.52	48	1.26	48	1.26
32	Given ORS	1.36	*1.69*	1.00	1.36	*1.47*	2.05	1.23	1.20	39	1.24	48	1.25
33	Want to delay next birth	1.42	1.44	1.24	1.45	1.20	1.32	1.13	1.21	48	1.24	48	1.24
34	IMR 1-4 years	1.40	1.63	1.25	1.78	1.26	*1.39*	1.61	1.18	47	1.23	48	1.23
35	Weight for height	*1.65*	*1.64*	*1.48*	*1.42*	*1.38*	*1.33*	*1.31*	1.51	11	1.15	48	1.19
36	Children 1-2 years	1.41	1.17	1.74	1.37	0.99	1.39	1.24	1.17	48	1.17	48	1.17
37	IMR 5-9 years	1.26	1.44	1.49	1.55	0.94	*1.25*	1.19	1.28	43	1.15	48	1.14
b-bar		29.9	29.7	24.9	19.6	39.4	36.6	17.6	23.5				
Original number of variables		29	27	28	32	30	28	27	33	1,449	-	-	-
Original mean deft		2.13	2.13	1.87	1.81	1.71	1.67	1.62	1.59	-	**1.50**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		2.07	2.06	1.85	1.78	1.72	1.67	1.64	1.64	-	-	-	**1.49**

Table B.3.1—Continued

Deft rank (total)	Variable	9 Morocco 1	10 Kenya 1	11 Tanzania 2	12 Nigeria (Ondo) 1	13 Niger 2	14 Dominican Republic 2	15 Liberia 1	16 Pakistan 2	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	2.52	3.19	3.42	3.25	2.78	2.68	2.12	*2.69*	46	2.54	48	2.54
2	Know a modern method	2.34	2.38	2.25	1.86	2.26	*2.22*	2.13	2.36	32	2.10	48	2.08
3	Mother received tetanus	*2.17*	1.74	1.75	2.64	3.33	1.83	1.45	1.92	45	2.00	48	2.02
4	Know a method	*2.18*	2.05	2.16	1.80	2.03	*2.14*	2.08	2.30	30	2.04	48	2.01
5	Know source for method	2.59	1.99	2.09	1.93	2.64	2.10	2.13	1.82	40	1.95	48	1.94
6	Illiterate	1.70	1.85	1.86	2.10	1.45	1.55	3.19	1.80	47	1.90	48	1.91
7	Dead	2.25	2.57	2.27	1.32	2.32	1.87	1.78	1.95	48	1.76	48	1.76
8	Ever used a method	2.76	1.92	1.74	1.44	1.56	1.81	2.18	1.49	48	1.74	48	1.74
9	Ideal family size	1.80	2.62	2.03	1.74	1.93	1.17	1.76	1.50	48	1.71	48	1.71
10	Age at marriage	1.49	1.78	1.37	1.62	1.43	1.76	1.42	1.61	48	1.50	48	1.50
11	Using any method	2.14	1.74	1.40	1.26	1.15	1.65	1.82	1.38	48	1.50	48	1.50
12	Births in last 5 years	1.54	1.61	1.48	2.03	1.47	1.62	1.38	1.61	48	1.44	48	1.44
13	Married	1.16	1.80	1.91	2.04	1.16	1.70	2.02	1.38	48	1.43	48	1.43
14	Using modern method	1.94	1.49	1.43	1.32	*1.50*	1.62	1.87	1.34	44	1.44	48	1.43
15	Using IUD	1.41	1.27	*1.54*	*1.53*	*1.52*	*1.52*	*1.51*	*1.51*	22	1.44	48	1.42
16	Children 0-4 years	1.43	1.65	1.42	1.96	1.42	1.60	1.20	1.53	45	1.42	48	1.41
17	Using pill	1.75	1.35	1.58	*1.54*	*1.51*	1.20	1.53	*1.48*	33	1.40	48	1.41
18	Using condom	*1.51*	*1.50*	*1.50*	*1.49*	*1.48*	*1.47*	*1.47*	1.34	5	1.27	48	1.38
19	Births 1-4 years	1.47	1.59	1.36	1.84	1.36	1.48	1.35	1.56	47	1.39	48	1.38
20	Using public source	1.45	1.35	1.33	1.37	1.38	1.57	*1.45*	1.42	41	1.37	48	1.36
21	Sterilized	*1.47*	1.52	*1.47*	*1.46*	*1.46*	1.45	*1.45*	1.40	26	1.35	48	1.36
22	Children ever born	1.31	1.53	1.17	2.03	1.39	1.44	1.34	1.58	48	1.35	48	1.35
23	Had diarrhea	0.94	0.97	1.51	1.25	1.66	1.68	*1.42*	1.52	44	1.33	48	1.34
24	Children weighed	1.54	*1.45*	*1.45*	1.87	*1.43*	*1.42*	*1.42*	*1.41*	19	1.29	48	1.34
25	Have health card	1.80	1.25	1.56	1.19	1.72	1.44	1.35	1.51	44	1.31	48	1.33
26	Height for age	1.67	*1.44*	*1.44*	1.36	*1.42*	*1.42*	*1.41*	*1.41*	19	1.28	48	1.33
27	Want no more children	1.46	1.61	1.23	1.41	1.23	1.59	1.45	1.61	48	1.32	48	1.32
28	Immunized	1.64	1.56	1.51	1.13	1.30	1.39	1.68	1.36	43	1.31	48	1.31
29	Births 5-9 years	*1.39*	1.31	1.41	1.50	1.21	1.30	1.30	*1.36*	42	1.30	48	1.29
30	Weight for age	1.61	*1.40*	*1.40*	1.24	*1.38*	*1.37*	*1.37*	*1.36*	19	1.24	48	1.29
31	Children born to 40-49	1.25	1.30	1.36	1.11	1.44	1.44	1.02	1.34	48	1.26	48	1.26
32	Given ORS	0.83	1.25	1.36	*1.36*	1.35	1.31	*1.33*	1.49	39	1.24	48	1.25
33	Want to delay next birth	1.21	1.37	1.22	1.51	1.38	1.65	1.32	1.59	48	1.24	48	1.24
34	IMR 1-4 years	1.09	1.25	1.65	1.10	1.34	1.38	1.22	1.47	47	1.23	48	1.23
35	Weight for height	1.16	*1.29*	*1.29*	1.31	*1.27*	*1.27*	*1.26*	*1.26*	11	1.15	48	1.19
36	Children 1-2 years	1.21	1.31	1.28	1.66	1.17	1.35	1.10	1.36	48	1.17	48	1.17
37	IMR 5-9 years	0.87	0.59	1.58	0.84	1.17	1.29	1.27	*1.20*	43	1.15	48	1.14
b-bar		28.2	16.2	26.7	46.8	28.5	18.9	33.6	17.0				
Original number of variables		32	32	30	32	28	29	27	28	1,449	-	-	-
Original mean deft		1.60	1.65	1.66	1.63	1.64	1.58	1.65	1.59	-	**1.50**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.62	1.62	1.61	1.60	1.59	1.59	1.58	1.57	-	-	-	**1.49**

Table B.3.1—Continued

Deft rank (total)	Variable	Deft rank (total) 17	18	19	20	21	22	23	24	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Morocco 2	Burkina Faso 2	Cameroon 2	Tunisia 1	Colombia 1	Egypt 2	Ghana 1	Botswana 1				
1	Medically delivered	2.64	3.86	2.52	3.31	2.84	2.47	2.77	2.09	46	2.54	48	2.54
2	Know a modern method	*2.22*	2.46	2.15	*2.13*	*2.10*	*2.08*	2.37	3.02	32	2.10	48	2.08
3	Mother received tetanus	1.15	2.66	2.25	1.86	1.61	1.70	2.36	1.78	45	2.00	48	2.02
4	Know a method	*2.15*	2.48	2.23	*2.06*	*2.03*	*2.02*	2.20	2.94	30	2.04	48	2.01
5	Know source for method	2.52	2.26	2.10	1.65	*1.98*	1.89	2.11	2.99	40	1.95	48	1.94
6	Illiterate	1.87	1.24	2.80	1.96	1.47	2.43	2.48	1.55	47	1.90	48	1.91
7	Dead	1.37	1.71	1.98	1.65	2.03	1.63	1.58	1.60	48	1.76	48	1.76
8	Ever used a method	2.36	2.11	2.26	2.15	1.27	1.76	1.60	1.69	48	1.74	48	1.74
9	Ideal family size	2.02	1.91	2.01	2.18	1.48	1.33	2.24	1.52	48	1.71	48	1.71
10	Age at marriage	1.32	1.63	1.97	1.55	1.66	1.98	1.22	1.34	48	1.50	48	1.50
11	Using any method	1.84	1.86	1.45	1.74	1.33	1.70	1.12	1.29	48	1.50	48	1.50
12	Births in last 5 years	1.59	1.33	1.11	1.42	1.82	1.43	1.29	1.22	48	1.44	48	1.44
13	Married	1.29	1.48	1.62	1.08	1.63	1.16	1.43	1.53	48	1.43	48	1.43
14	Using modern method	1.79	1.00	1.04	1.67	1.33	1.68	1.16	1.30	44	1.44	48	1.43
15	Using IUD	1.10	*1.48*	*1.47*	1.35	1.10	1.38	*1.44*	1.21	22	1.44	48	1.42
16	Children 0-4 years	1.50	1.24	1.16	*1.50*	1.82	1.37	1.29	1.25	45	1.42	48	1.41
17	Using pill	1.75	*1.45*	*1.45*	1.59	1.14	1.36	*1.42*	0.97	33	1.40	48	1.41
18	Using condom	*1.46*	*1.44*	*1.43*	*1.40*	*1.39*	*1.38*	*1.38*	*1.35*	5	1.27	48	1.38
19	Births 1-4 years	1.53	1.28	0.99	1.38	1.79	1.39	1.31	1.20	47	1.39	48	1.38
20	Using public source	1.84	1.05	1.26	1.56	1.36	1.42	*1.36*	1.26	41	1.37	48	1.36
21	Sterilized	1.16	*1.42*	*1.41*	1.24	1.23	*1.36*	*1.38*	1.13	26	1.35	48	1.36
22	Children ever born	1.30	1.21	1.28	1.46	1.77	1.28	1.21	1.36	48	1.35	48	1.35
23	Had diarrhea	1.25	1.24	1.59	1.19	1.19	1.32	1.39	1.66	44	1.33	48	1.34
24	Children weighed	*1.40*	*1.39*	*1.38*	1.39	1.57	*1.34*	1.19	*1.31*	19	1.29	48	1.34
25	Have health card	1.72	1.36	1.27	1.24	1.08	1.35	1.42	1.15	44	1.31	48	1.33
26	Height for age	*1.40*	*1.39*	*1.37*	1.39	1.33	*1.33*	1.03	*1.30*	19	1.28	48	1.33
27	Want no more children	1.36	1.59	1.23	1.33	1.20	1.26	1.46	1.13	48	1.32	48	1.32
28	Immunized	1.98	1.28	1.65	0.98	1.16	1.37	1.27	1.36	43	1.31	48	1.31
29	Births 5-9 years	1.30	1.12	1.10	*1.33*	1.74	1.24	1.14	1.37	42	1.30	48	1.29
30	Weight for age	*1.35*	*1.34*	*1.33*	1.17	1.34	*1.29*	1.02	*1.26*	19	1.24	48	1.29
31	Children born to 40-49	1.30	1.23	1.22	1.43	1.41	1.38	1.07	1.11	48	1.26	48	1.26
32	Given ORS	1.21	1.37	1.23	*1.28*	1.11	1.18	1.44	0.91	39	1.24	48	1.25
33	Want to delay next birth	1.45	1.28	1.44	1.12	0.99	1.19	1.26	1.40	48	1.24	48	1.24
34	IMR 1-4 years	1.12	1.18	1.07	1.11	1.07	1.05	1.29	1.05	47	1.23	48	1.23
35	Weight for height	*1.25*	*1.24*	*1.23*	1.05	*1.20*	*1.19*	1.11	*1.17*	11	1.15	48	1.19
36	Children 1-2 years	1.11	0.99	0.94	1.07	1.33	1.28	1.15	1.06	48	1.17	48	1.17
37	IMR 5-9 years	1.06	0.94	0.96	0.99	1.52	1.22	1.06	1.13	43	1.15	48	1.14
b-bar		46.3	28.4	27.3	26.8	29.6	22.6	29.9	28.4				
Original number of variables		30	29	29	31	32	29	32	32	1,449	-	-	-
Original mean deft		1.56	1.60	1.58	1.49	1.46	1.49	1.50	1.49	-	**1.50**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.57	1.55	1.54	1.51	1.50	1.49	1.49	1.46	-	-	-	**1.49**

Table B.3.1—Continued

Deft rank (total)	Variable	Deft rank (total) 25	26	27	28	29	30	31	32	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Guatemala 1	Madagascar 2	El Salvador 1	Togo 1	Burundi 1	Ecuador 1	Rwanda 2	Mali 1				
1	Medically delivered	2.56	3.93	2.54	3.03	2.86	2.27	2.03	1.95	46	2.54	48	2.54
2	Know a modern method	2.10	1.66	1.77	2.08	1.97	2.29	*1.96*	1.82	32	2.10	48	2.08
3	Mother received tetanus	1.79	2.34	1.64	3.05	2.77	1.94	1.67	2.11	45	2.00	48	2.02
4	Know a method	2.08	1.65	1.77	1.38	1.74	2.28	*1.89*	1.77	30	2.04	48	2.01
5	Know source for method	2.11	1.80	1.67	2.00	1.67	2.25	1.53	1.98	40	1.95	48	1.94
6	Illiterate	2.16	1.75	1.26	1.99	2.08	2.16	1.70	1.51	47	1.90	48	1.91
7	Dead	1.77	1.77	0.89	1.33	1.65	1.67	1.75	1.92	48	1.76	48	1.76
8	Ever used a method	1.79	1.49	2.07	1.32	1.43	1.70	1.67	1.53	48	1.74	48	1.74
9	Ideal family size	1.65	2.06	2.42	1.99	1.58	1.53	1.53	1.54	48	1.71	48	1.71
10	Age at marriage	1.22	1.45	0.98	1.20	1.31	1.25	1.76	1.38	48	1.50	48	1.50
11	Using any method	1.54	1.34	1.73	1.41	1.29	1.43	1.48	1.17	48	1.50	48	1.50
12	Births in last 5 years	1.37	1.26	1.64	1.31	1.29	1.38	1.46	1.43	48	1.44	48	1.44
13	Married	1.26	1.30	1.32	1.46	1.42	1.35	1.49	1.45	48	1.43	48	1.43
14	Using modern method	1.45	1.16	1.58	1.19	*1.39*	1.31	1.59	*1.33*	44	1.44	48	1.43
15	Using IUD	*1.38*	*1.38*	1.37	*1.38*	*1.36*	1.19	*1.34*	*1.32*	22	1.44	48	1.42
16	Children 0-4 years	1.30	1.16	1.77	1.32	1.15	1.33	1.41	1.57	45	1.42	48	1.41
17	Using pill	1.33	*1.39*	1.30	*1.38*	*1.36*	1.19	1.56	*1.32*	33	1.40	48	1.41
18	Using condom	*1.34*	*1.34*	*1.34*	*1.33*	*1.31*	*1.31*	*1.30*	*1.30*	5	1.27	48	1.38
19	Births 1-4 years	1.32	1.23	1.66	1.11	1.23	1.25	1.33	1.26	47	1.39	48	1.38
20	Using public source	1.51	1.03	1.53	*1.33*	*1.31*	1.04	1.27	*1.27*	41	1.37	48	1.36
21	Sterilized	1.31	*1.32*	1.27	*1.32*	*1.30*	1.10	*1.28*	*1.27*	26	1.35	48	1.36
22	Children ever born	1.11	1.05	1.77	1.32	0.97	1.30	1.28	1.15	48	1.35	48	1.35
23	Had diarrhea	1.23	1.24	1.18	1.16	1.09	*1.24*	1.18	1.58	44	1.33	48	1.34
24	Children weighed	1.35	*1.29*	*1.29*	1.20	0.98	*1.26*	*1.26*	1.46	19	1.29	48	1.34
25	Have health card	1.23	1.47	1.33	1.36	1.46	*1.24*	1.15	1.21	44	1.31	48	1.33
26	Height for age	1.44	*1.28*	*1.28*	1.15	1.21	*1.26*	*1.25*	1.02	19	1.28	48	1.33
27	Want no more children	1.32	1.41	0.97	1.25	1.29	0.95	1.16	1.21	48	1.32	48	1.32
28	Immunized	1.16	1.52	1.04	*1.28*	1.22	*1.23*	1.31	0.91	43	1.31	48	1.31
29	Births 5-9 years	1.03	1.28	1.51	1.37	1.09	1.23	1.14	*1.20*	42	1.30	48	1.29
30	Weight for age	1.20	*1.25*	*1.24*	1.22	1.07	*1.22*	*1.21*	1.35	19	1.24	48	1.29
31	Children born to 40-49	1.03	1.04	1.13	1.06	1.09	1.16	1.12	1.16	48	1.26	48	1.26
32	Given ORS	1.08	1.09	1.37	1.27	1.55	*1.18*	1.17	*1.17*	39	1.24	48	1.25
33	Want to delay next birth	1.16	1.23	1.05	1.03	1.38	1.11	1.17	1.31	48	1.24	48	1.24
34	IMR 1-4 years	1.16	1.11	1.42	0.96	1.25	1.08	1.21	1.01	47	1.23	48	1.23
35	Weight for height	*1.16*	*1.15*	*1.15*	1.00	1.12	*1.12*	*1.12*	1.38	11	1.15	48	1.19
36	Children 1-2 years	1.13	1.02	1.09	1.07	1.06	1.03	1.07	1.35	48	1.17	48	1.17
37	IMR 5-9 years	1.41	1.08	0.90	1.31	0.96	1.28	1.07	*1.08*	43	1.15	48	1.14
b-bar		21.3	29.5	59.2	22.1	27.6	24.3	34.5	21.6				
Original number of variables		34	29	32	31	31	28	28	28	1,449	-	-	-
Original mean deft		1.46	1.48	1.47	1.45	1.43	1.47	1.40	1.45	-	**1.50**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.45	1.44	1.44	1.43	1.41	1.41	1.40	1.40	-	-	-	**1.49**

Table B.3.1—Continued

Deft rank (total)	Variable	Deft rank (total) 33	34	35	36	37	38	39	40	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Bolivia 1	Brazil 1	Sudan 1	Namibia 2	Zimbabwe 1	Senegal 1	Dominican Republic 1	Uganda 1				
1	Medically delivered	2.14	*2.31*	2.61	1.60	2.13	2.07	1.47	2.48	46	2.54	48	2.54
2	Know a modern method	1.80	*1.92*	2.24	1.65	*1.85*	1.75	*1.83*	1.80	32	2.10	48	2.08
3	Mother received tetanus	1.51	1.82	1.97	1.53	1.53	2.00	1.16	1.85	45	2.00	48	2.02
4	Know a method	1.65	*1.86*	2.22	1.65	*1.79*	1.61	*1.77*	1.64	30	2.04	48	2.01
5	Know source for method	1.61	*1.79*	1.98	1.58	1.31	1.65	*1.70*	1.63	40	1.95	48	1.94
6	Illiterate	1.89	1.73	1.91	1.46	2.13	1.95	1.37	1.90	47	1.90	48	1.91
7	Dead	1.58	1.76	1.82	1.53	1.50	1.69	1.29	1.29	48	1.76	48	1.76
8	Ever used a method	1.41	1.35	1.88	1.63	1.30	1.92	1.31	1.64	48	1.74	48	1.74
9	Ideal family size	1.41	1.35	1.37	1.64	1.52	1.73	1.21	1.71	48	1.71	48	1.71
10	Age at marriage	1.32	1.23	1.35	1.45	1.39	1.14	1.45	1.31	48	1.50	48	1.50
11	Using any method	1.44	1.33	1.31	1.61	1.09	1.45	1.29	1.14	48	1.50	48	1.50
12	Births in last 5 years	1.46	1.40	1.29	1.40	1.37	1.26	1.46	1.15	48	1.44	48	1.44
13	Married	1.39	1.40	1.04	1.45	1.21	1.63	1.36	1.42	48	1.43	48	1.43
14	Using modern method	1.25	1.26	1.29	1.63	1.17	*1.31*	1.22	0.95	44	1.44	48	1.43
15	Using IUD	1.21	*1.32*	*1.31*	*1.30*	*1.27*	*1.29*	1.41	*1.27*	22	1.44	48	1.42
16	Children 0-4 years	1.39	1.38	*1.31*	1.41	1.33	1.18	1.44	1.10	45	1.42	48	1.41
17	Using pill	*1.33*	1.22	1.30	1.22	1.21	*1.29*	1.26	*1.27*	33	1.40	48	1.41
18	Using condom	*1.30*	*1.30*	*1.28*	*1.27*	*1.26*	*1.24*	*1.23*	*1.23*	5	1.27	48	1.38
19	Births 1-4 years	1.35	1.31	1.15	1.28	1.32	1.20	1.40	1.19	47	1.39	48	1.38
20	Using public source	1.18	1.31	1.10	1.70	1.39	*1.25*	1.35	*1.22*	41	1.37	48	1.36
21	Sterilized	1.19	1.35	*1.26*	1.69	*1.21*	*1.23*	1.29	*1.21*	26	1.35	48	1.36
22	Children ever born	1.36	1.31	1.14	1.19	1.22	1.03	1.35	1.09	48	1.35	48	1.35
23	Had diarrhea	1.28	1.23	0.72	1.34	1.14	1.39	1.36	1.39	44	1.33	48	1.34
24	Children weighed	1.34	1.29	*1.23*	*1.22*	1.38	1.06	1.28	1.04	19	1.29	48	1.34
25	Have health card	1.15	1.16	1.29	1.11	1.15	1.03	1.38	1.21	44	1.31	48	1.33
26	Height for age	1.44	1.55	*1.23*	*1.22*	1.54	1.01	1.38	1.10	19	1.28	48	1.33
27	Want no more children	1.31	1.26	1.23	1.32	1.31	1.25	1.23	1.19	48	1.32	48	1.32
28	Immunized	1.18	1.15	1.15	1.14	1.13	1.20	1.00	1.29	43	1.31	48	1.31
29	Births 5-9 years	1.40	1.27	*1.18*	1.38	1.14	1.21	1.40	1.19	42	1.30	48	1.29
30	Weight for age	1.32	1.32	*1.19*	*1.18*	1.56	1.09	1.17	1.30	19	1.24	48	1.29
31	Children born to 40-49	1.27	1.09	1.05	1.04	1.12	1.02	1.17	1.13	48	1.26	48	1.26
32	Given ORS	1.46	1.30	0.82	1.14	*1.12*	*1.15*	1.20	1.21	39	1.24	48	1.25
33	Want to delay next birth	1.27	1.26	1.17	1.11	1.18	1.12	1.14	1.09	48	1.24	48	1.24
34	IMR 1-4 years	1.50	1.23	1.40	1.20	1.25	1.06	1.19	1.06	47	1.23	48	1.23
35	Weight for height	*1.12*	*1.12*	*1.10*	*1.09*	*1.08*	0.96	*1.06*	*1.06*	11	1.15	48	1.19
36	Children 1-2 years	1.26	1.00	1.01	1.10	1.32	0.92	1.24	1.12	48	1.17	48	1.17
37	IMR 5-9 years	1.26	1.38	*1.05*	0.99	1.16	1.07	1.27	1.20	43	1.15	48	1.14
b-bar		11.7	17.1	18.7	33.9	25.3	32.5	12.7	23.0				
Original number of variables		34	30	27	31	**30**	30	32	31	1,449	-	-	-
Original mean deft		1.41	1.33	1.44	1.39	1.35	1.36	1.30	1.35	-	**1.50**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.40	1.40	1.38	1.36	1.35	1.34	1.33	1.33	-	-	-	**1.49**

Table B.3.1—Continued

Deft rank (total)	Variable	Deft rank (total) 41 Senegal 2	42 Jordan 2	43 Zambia 2	44 Paraguay 2	45 Peru 2	46 Sri Lanka 1	47 Peru 1	48 T&T 1	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	2.54	2.18	2.21	1.88	1.74	1.99	2.02	0.94	46	2.54	48	2.54
2	Know a modern method	1.75	*1.82*	1.42	1.10	1.52	*1.69*	1.20	*1.57*	32	2.10	48	2.08
3	Mother received tetanus	2.45	1.47	2.01	1.79	1.61	1.40	1.41	1.35	45	2.00	48	2.02
4	Know a method	1.90	*1.76*	1.26	*1.68*	1.46	*1.63*	1.13	*1.52*	30	2.04	48	2.01
5	Know source for method	1.77	1.50	1.45	1.22	1.40	*1.57*	1.21	*1.45*	40	1.95	48	1.94
6	Illiterate	1.48	1.64	1.50	1.14	1.16	1.33	1.56	1.17	47	1.90	48	1.91
7	Dead	1.46	1.56	1.57	1.58	1.85	1.15	1.33	1.24	48	1.76	48	1.76
8	Ever used a method	1.37	1.45	1.65	1.35	1.23	1.13	1.42	1.09	48	1.74	48	1.74
9	Ideal family size	1.65	1.26	1.36	1.40	1.19	1.37	1.32	1.05	48	1.71	48	1.71
10	Age at marriage	1.23	1.27	1.17	1.40	1.28	1.50	1.20	1.07	48	1.50	48	1.50
11	Using any method	1.08	1.33	1.43	1.26	1.22	1.18	1.21	1.14	48	1.50	48	1.50
12	Births in last 5 years	1.31	1.39	1.29	1.28	1.25	1.10	1.07	1.19	48	1.44	48	1.44
13	Married	1.31	1.26	1.28	1.28	1.20	1.11	1.21	1.02	48	1.43	48	1.43
14	Using modern method	1.13	1.28	1.37	1.21	1.13	1.20	1.30	1.22	44	1.44	48	1.43
15	Using IUD	*1.26*	1.25	*1.23*	1.17	1.17	*1.16*	1.17	1.23	22	1.44	48	1.42
16	Children 0-4 years	1.29	*1.25*	1.27	1.25	1.24	1.11	1.16	1.19	45	1.42	48	1.41
17	Using pill	*1.25*	1.30	1.18	1.28	1.17	1.25	1.54	1.17	33	1.40	48	1.41
18	Using condom	*1.23*	*1.21*	*1.20*	1.11	1.26	*1.14*	*1.13*	0.94	5	1.27	48	1.38
19	Births 1-4 years	1.25	*1.21*	1.33	1.24	1.24	1.13	1.00	1.13	47	1.39	48	1.38
20	Using public source	0.98	1.14	1.16	1.17	1.10	1.22	1.28	1.03	41	1.37	48	1.36
21	Sterilized	*1.21*	1.16	*1.18*	1.21	1.14	1.29	1.08	1.08	26	1.35	48	1.36
22	Children ever born	1.04	1.23	1.10	1.29	1.16	1.09	1.00	1.00	48	1.35	48	1.35
23	Had diarrhea	1.23	1.28	1.22	1.40	1.44	1.06	1.03	1.10	44	1.33	48	1.34
24	Children weighed	*1.19*	*1.17*	*1.15*	*1.12*	*1.11*	1.06	*1.09*	1.16	19	1.29	48	1.34
25	Have health card	1.36	1.27	1.26	1.21	1.13	1.15	1.22	1.09	44	1.31	48	1.33
26	Height for age	*1.18*	*1.16*	*1.15*	*1.11*	*1.11*	1.30	*1.08*	0.95	19	1.28	48	1.33
27	Want no more children	1.17	1.10	1.07	1.16	1.21	1.30	1.25	1.01	48	1.32	48	1.32
28	Immunized	1.36	1.25	1.29	1.10	1.24	1.13	1.10	*0.97*	43	1.31	48	1.31
29	Births 5-9 years	1.22	1.06	*1.16*	1.07	1.13	1.15	1.21	1.06	42	1.30	48	1.29
30	Weight for age	*1.14*	*1.13*	*1.11*	*1.08*	*1.07*	1.19	*1.05*	0.91	19	1.24	48	1.29
31	Children born to 40-49	1.03	1.20	1.10	1.23	1.10	1.12	1.10	1.03	48	1.26	48	1.26
32	Given ORS	1.04	1.05	1.11	1.34	1.32	0.94	1.45	1.21	39	1.24	48	1.25
33	Want to delay next birth	1.09	1.04	1.19	0.94	1.18	1.15	1.31	1.11	48	1.24	48	1.24
34	IMR 1-4 years	1.05	1.36	1.16	0.94	1.18	1.01	1.13	1.17	47	1.23	48	1.23
35	Weight for height	*1.06*	*1.04*	*1.03*	*1.00*	*0.99*	1.11	*0.97*	0.91	11	1.15	48	1.19
36	Children 1-2 years	1.03	1.13	1.15	1.10	1.01	0.99	0.96	1.07	48	1.17	48	1.17
37	IMR 5-9 years	0.90	*1.00*	0.95	1.06	1.14	1.00	1.04	1.21	43	1.15	48	1.14
b-bar		25.0	18.8	28.0	22.4	17.7	21.7	35.2	21.4				
Original number of variables		29	27	29	32	33	32	32	33	1,449	-	-	-
Original mean deft		1.36	1.31	1.33	1.25	1.27	1.19	1.24	1.10	-	**1.50**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.32	1.30	1.29	1.25	1.24	1.23	1.21	1.13	-	-	-	**1.49**

Note: Countries and variables are ranked by average deft values for the total sample. For variables relating to children, defts were computed with simple random sample of children as the denominator. Imputed values are shown in italics. IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. Number following country name indicates DHS-I or DHS-II survey.

Table B.3.2 Computed design effects (deft), with imputation for cells not computed, for the urban sample, Demographic and Health Surveys I and II

Deft rank (total)	Variable	Deft rank (total) 1 Nigeria 2	2 Indonesia 1	3 Mexico 1	4 Indonesia 2	5 Egypt 1	6 Colombia 2	7 Northeast Brazil 2	8 Thailand 1	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	2.88	4.13	2.92	*2.64*	3.17	2.09	1.51	1.48	44	2.19	48	2.21
2	Know a modern method	2.13	2.32	*2.40*	*2.06*	*2.14*	*1.95*	*1.77*	*1.47*	25	1.75	48	1.75
3	Mother received tetanus	2.24	*2.51*	*2.31*	2.05	1.89	1.59	1.92	1.23	45	1.62	48	1.65
4	Know a method	2.13	2.28	*2.34*	*2.01*	*2.08*	*1.90*	*1.72*	*1.43*	25	1.71	48	1.70
5	Know source for method	2.15	2.39	*2.38*	1.92	*2.11*	*1.92*	*1.75*	*1.43*	30	1.71	48	1.72
6	Illiterate	2.88	3.51	1.64	1.88	2.97	1.20	*1.78*	1.01	47	1.74	48	1.74
7	Dead	2.78	3.30	2.18	2.34	1.79	1.95	1.90	1.41	48	1.60	48	1.60
8	Ever used a method	1.86	2.48	2.94	1.71	2.31	1.55	1.39	1.33	48	1.57	48	1.57
9	Ideal family size	1.63	2.58	1.91	1.64	1.85	1.58	1.48	1.45	48	1.55	48	1.55
10	Age at marriage	1.73	3.25	1.84	2.42	2.66	1.44	1.29	1.27	48	1.47	48	1.47
11	Using any method	1.50	2.19	2.31	1.74	1.94	1.46	1.28	1.13	48	1.37	48	1.37
12	Births in last 5 years	1.43	1.76	2.24	1.78	1.58	1.52	1.51	1.02	48	1.46	48	1.46
13	Married	1.83	1.36	2.11	1.51	1.16	1.45	1.54	1.08	48	1.40	48	1.40
14	Using modern method	1.19	2.25	1.85	1.72	1.82	1.31	1.18	1.14	48	1.32	48	1.32
15	Using IUD	0.96	2.77	1.75	1.72	1.55	1.34	*1.29*	1.21	29	1.29	48	1.28
16	Children 0-4 years	1.36	1.77	2.23	1.70	1.53	1.55	1.51	0.99	47	1.41	48	1.41
17	Using pill	1.20	1.97	1.47	1.49	1.57	1.49	1.27	1.34	44	1.22	48	1.24
18	Using condom	*1.40*	1.89	*1.66*	*1.43*	1.20	1.14	*1.22*	*1.01*	12	1.21	48	1.21
19	Births 1-4 years	1.33	1.78	1.69	1.69	1.44	1.36	1.68	0.93	48	1.37	48	1.37
20	Using public source	1.13	2.27	1.56	1.54	1.77	1.43	1.45	1.22	46	1.28	48	1.28
21	Sterilized	*1.43*	1.64	1.46	1.44	*1.49*	1.55	1.11	1.19	30	1.23	48	1.22
22	Children ever born	1.44	1.32	1.89	1.13	1.63	1.49	1.24	1.25	48	1.34	48	1.34
23	Had diarrhea	1.24	*2.00*	1.91	1.59	*1.62*	1.45	1.40	1.17	44	1.29	48	1.31
24	Children weighed	*1.54*	*2.00*	*1.82*	*1.57*	1.28	*1.48*	*1.34*	1.15	19	1.30	48	1.33
25	Have health card	1.35	*1.74*	*1.58*	1.26	1.25	1.50	*1.16*	1.00	44	1.12	48	1.14
26	Height for age	*1.52*	*1.98*	*1.80*	*1.55*	1.47	*1.46*	*1.33*	1.09	19	1.29	48	1.31
27	Want no more children	1.39	1.78	1.75	1.37	1.21	1.36	1.45	1.04	48	1.24	48	1.24
28	Immunized	1.21	*1.79*	*1.62*	1.49	1.32	1.31	1.09	1.03	43	1.16	48	1.18
29	Births 5-9 years	1.11	1.34	1.60	1.08	1.41	1.38	1.29	1.02	44	1.26	48	1.25
30	Weight for age	*1.42*	*1.84*	*1.68*	*1.44*	1.01	*1.36*	*1.23*	1.00	19	1.20	48	1.22
31	Children born to 40-49	1.77	1.42	1.88	1.33	1.43	2.36	1.34	1.12	48	1.23	48	1.23
32	Given ORS	1.58	*1.84*	1.28	0.89	*1.49*	2.62	1.23	1.10	38	1.19	48	1.22
33	Want to delay next birth	1.55	1.85	1.35	1.49	1.22	1.19	1.15	1.01	48	1.15	48	1.15
34	IMR 1-4 years	1.27	1.42	1.13	1.62	1.12	*1.20*	1.12	*0.92*	45	1.13	48	1.12
35	Weight for height	*1.26*	*1.64*	*1.49*	*1.28*	*1.30*	*1.21*	*1.10*	0.97	10	1.00	48	1.09
36	Children 1-2 years	1.30	1.31	2.09	1.38	0.99	1.20	1.23	1.01	48	1.19	48	1.19
37	IMR 5-9 years	1.05	1.24	1.96	1.30	1.34	*1.26*	1.28	1.17	41	1.17	48	1.17
b-bar		27.2	28.8	21.4	19.4	40.1	41.1	19.3	25.2				
Original number of variables		31	28	26	29	30	28	26	32	1,462	-	-	-
Original mean deft		1.63	2.13	1.88	1.59	1.63	1.53	1.38	1.14	-	**1.38**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.60	2.08	1.89	1.63	1.65	1.53	1.39	1.16	-	-	-	**1.38**

Table B.3.2—Continued

Deft rank (total)	Variable	Deft rank (total) 9	10	11	12	13	14	15	16	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Morocco 1	Kenya 1	Tanzania 2	Nigeria (Ondo) 1	Niger 2	Dominican Republic 2	Liberia 1	Pakistan 2				
1	Medically delivered	2.73	2.58	1.43	4.44	1.98	*2.30*	1.58	*2.52*	44	2.19	48	2.21
2	Know a modern method	*1.81*	0.99	1.89	2.46	1.85	*1.82*	2.21	1.44	25	1.75	48	1.75
3	Mother received tetanus	*1.69*	1.35	2.06	3.40	1.76	2.09	0.91	1.96	45	1.62	48	1.65
4	Know a method	*1.76*	1.00	1.86	2.42	2.01	*1.77*	2.09	1.44	25	1.71	48	1.70
5	Know source for method	*1.80*	1.07	1.76	2.59	1.81	*1.80*	2.21	1.51	30	1.71	48	1.72
6	Illiterate	1.77	1.26	1.62	2.01	1.43	1.44	2.31	2.50	47	1.74	48	1.74
7	Dead	1.91	1.62	2.02	1.25	1.59	1.55	1.53	1.93	48	1.60	48	1.60
8	Ever used a method	1.86	1.44	1.59	1.50	1.26	1.33	1.84	1.54	48	1.57	48	1.57
9	Ideal family size	1.44	1.37	3.34	2.37	1.50	1.12	1.55	1.41	48	1.55	48	1.55
10	Age at marriage	1.47	1.46	1.26	1.69	1.27	1.71	1.17	1.53	48	1.47	48	1.47
11	Using any method	1.66	1.45	1.70	1.12	0.95	1.27	1.43	1.55	48	1.37	48	1.37
12	Births in last 5 years	1.55	1.63	2.17	2.06	1.27	1.46	1.52	1.45	48	1.46	48	1.46
13	Married	1.17	1.95	2.18	1.85	1.46	1.60	1.90	1.51	48	1.40	48	1.40
14	Using modern method	1.38	1.49	1.83	1.26	1.15	1.37	1.43	1.44	48	1.32	48	1.32
15	Using IUD	1.29	1.48	*1.55*	*1.59*	*1.17*	*1.33*	*1.28*	*1.47*	29	1.29	48	1.28
16	Children 0-4 years	1.47	1.48	1.87	1.96	1.10	1.48	1.36	1.41	47	1.41	48	1.41
17	Using pill	1.32	1.03	1.98	*1.51*	1.07	1.16	1.33	*1.42*	44	1.22	48	1.24
18	Using condom	*1.28*	*1.14*	*1.46*	*1.50*	*1.13*	*1.26*	*1.24*	1.52	12	1.21	48	1.21
19	Births 1-4 years	1.44	1.55	2.06	1.91	1.11	1.37	1.42	1.48	48	1.37	48	1.37
20	Using public source	1.22	1.35	1.37	1.48	1.12	1.57	*1.32*	1.46	46	1.28	48	1.28
21	Sterilized	1.03	1.16	*1.48*	*1.52*	*1.12*	1.14	*1.23*	1.69	30	1.23	48	1.22
22	Children ever born	1.30	1.38	1.65	2.02	1.05	1.38	1.47	1.58	48	1.34	48	1.34
23	Had diarrhea	1.27	1.11	1.70	1.67	1.30	1.28	*1.30*	1.86	44	1.29	48	1.31
24	Children weighed	1.39	*1.25*	*1.60*	1.78	*1.24*	*1.38*	*1.36*	*1.49*	19	1.30	48	1.33
25	Have health card	1.46	0.96	1.20	0.89	1.03	1.25	1.15	1.09	44	1.12	48	1.14
26	Height for age	1.97	*1.24*	*1.58*	1.17	*1.22*	*1.37*	*1.35*	*1.48*	19	1.29	48	1.31
27	Want no more children	1.18	1.10	1.20	1.34	1.15	1.58	1.06	1.59	48	1.24	48	1.24
28	Immunized	1.11	0.90	1.62	1.24	1.44	1.45	1.28	1.49	43	1.16	48	1.18
29	Births 5-9 years	1.39	1.12	1.25	1.28	1.15	1.23	1.35	*1.43*	44	1.26	48	1.25
30	Weight for age	1.59	*1.15*	*1.47*	1.11	*1.14*	*1.27*	*1.25*	*1.37*	19	1.20	48	1.22
31	Children born to 40-49	1.31	1.19	1.45	1.08	1.34	1.30	0.90	1.61	48	1.23	48	1.23
32	Given ORS	1.26	1.45	1.26	*1.50*	1.07	1.27	*1.21*	1.51	38	1.19	48	1.22
33	Want to delay next birth	1.12	1.29	0.97	1.49	1.09	1.56	1.30	1.47	48	1.15	48	1.15
34	IMR 1-4 years	1.12	1.00	1.74	0.78	1.19	1.13	1.27	1.42	45	1.13	48	1.12
35	Weight for height	*1.15*	*1.02*	*1.31*	1.00	*1.01*	*1.13*	*1.11*	*1.23*	10	1.00	48	1.09
36	Children 1-2 years	1.04	1.14	1.83	1.74	0.99	1.41	1.07	1.38	48	1.19	48	1.19
37	IMR 5-9 years	1.15	0.95	1.07	0.82	1.00	1.19	0.95	*1.35*	41	1.17	48	1.17
b-bar		19.6	19.6	20.0	44.3	26.4	20.9	33.1	15.8				
Original number of variables		31	32	30	32	30	27	27	28	1,462	-	-	-
Original mean deft		1.43	1.32	1.70	1.72	1.32	1.39	1.47	1.56	-	**1.38**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.46	1.30	1.66	1.70	1.28	1.43	1.41	1.56	-	-	-	**1.38**

Table B.3.2—Continued

Deft rank (total)	Variable	Deft rank (total) 17 Morocco 2	18 Burkina Faso 2	19 Cameroon 2	20 Tunisia 1	21 Colombia	22 Egypt 2	23 Ghana 1	24 Botswana 1	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	2.62	1.43	4.05	4.33	3.18	2.39	2.36	1.42	44	2.19	48	2.21
2	Know a modern method	*1.64*	1.37	3.79	*2.09*	*1.87*	*1.80*	1.14	*1.62*	25	1.75	48	1.75
3	Mother received tetanus	1.10	1.25	3.66	1.87	1.60	1.64	1.44	1.56	45	1.62	48	1.65
4	Know a method	*1.60*	1.60	3.75	*2.03*	*1.82*	*1.76*	1.11	*1.58*	25	1.71	48	1.70
5	Know source for method	*1.63*	1.48	3.69	*2.07*	*1.86*	*1.78*	1.18	*1.60*	30	1.71	48	1.72
6	Illiterate	1.89	1.38	4.23	2.21	1.45	2.17	1.82	1.71	47	1.74	48	1.74
7	Dead	1.55	1.36	1.51	1.64	1.45	1.59	1.27	1.10	48	1.60	48	1.60
8	Ever used a method	1.42	1.62	3.59	2.48	1.35	1.44	1.17	1.56	48	1.57	48	1.57
9	Ideal family size	1.16	1.42	2.53	2.28	1.49	1.13	1.42	1.34	48	1.55	48	1.55
10	Age at marriage	1.20	1.24	3.06	1.55	1.40	1.91	0.93	0.98	48	1.47	48	1.47
11	Using any method	1.41	1.26	1.98	1.81	1.38	1.35	0.74	1.51	48	1.37	48	1.37
12	Births in last 5 years	1.49	1.49	1.40	1.55	1.92	1.41	1.21	1.61	48	1.46	48	1.46
13	Married	1.19	1.52	2.53	1.19	1.63	1.26	1.05	1.60	48	1.40	48	1.40
14	Using modern method	1.23	1.30	1.07	1.66	1.33	1.33	0.78	1.55	48	1.32	48	1.32
15	Using IUD	1.03	1.07	*1.82*	1.27	1.07	1.18	*1.08*	1.34	29	1.29	48	1.28
16	Children 0-4 years	1.46	1.32	1.43	1.57	1.90	1.39	1.20	1.64	47	1.41	48	1.41
17	Using pill	1.14	1.10	*1.70*	1.55	1.16	1.11	0.98	1.06	44	1.22	48	1.24
18	Using condom	*1.13*	1.18	*1.79*	*1.44*	*1.29*	1.35	*0.99*	*1.12*	12	1.21	48	1.21
19	Births 1-4 years	1.47	1.40	1.19	1.49	1.89	1.26	1.15	1.43	48	1.37	48	1.37
20	Using public source	1.31	1.04	1.13	1.62	1.31	1.54	0.94	1.37	46	1.28	48	1.28
21	Sterilized	1.02	*1.09*	*1.74*	1.47	1.12	*1.26*	*1.03*	1.01	30	1.23	48	1.22
22	Children ever born	1.29	1.25	1.50	1.46	1.70	1.40	1.08	1.27	48	1.34	48	1.34
23	Had diarrhea	1.07	1.17	1.92	1.39	1.32	1.66	1.25	1.28	44	1.29	48	1.31
24	Children weighed	*1.24*	*1.18*	*1.97*	1.42	1.64	*1.37*	1.10	*1.23*	19	1.30	48	1.33
25	Have health card	1.02	0.91	1.25	1.44	1.13	1.12	1.07	1.14	44	1.12	48	1.14
26	Height for age	*1.23*	*1.17*	*1.95*	1.54	1.31	*1.35*	0.90	*1.22*	19	1.29	48	1.31
27	Want no more children	1.11	1.35	1.54	1.40	1.30	1.20	1.06	1.09	48	1.24	48	1.24
28	Immunized	0.82	1.06	1.83	0.89	1.14	1.13	1.17	0.96	43	1.16	48	1.18
29	Births 5-9 years	1.40	0.97	1.20	1.45	1.75	1.27	1.07	1.13	44	1.26	48	1.25
30	Weight for age	*1.15*	*1.09*	*1.81*	1.32	1.05	*1.26*	0.96	*1.13*	19	1.20	48	1.22
31	Children born to 40-49	1.06	1.06	1.05	1.58	1.15	1.52	1.10	1.14	48	1.23	48	1.23
32	Given ORS	1.05	1.07	1.36	*1.46*	1.10	1.35	1.18	0.90	38	1.19	48	1.22
33	Want to delay next birth	1.10	1.31	1.25	1.02	0.97	1.23	0.93	1.03	48	1.15	48	1.15
34	IMR 1-4 years	1.31	0.97	1.07	1.31	1.20	1.28	1.19	1.02	45	1.13	48	1.12
35	Weight for height	*1.02*	*0.97*	*1.61*	0.92	*1.16*	*1.12*	1.01	*1.01*	10	1.00	48	1.09
36	Children 1-2 years	1.17	1.14	1.07	1.13	1.38	1.33	0.89	1.01	48	1.19	48	1.19
37	IMR 5-9 years	1.10	1.01	*1.64*	1.27	1.54	1.05	1.12	1.09	41	1.17	48	1.17
b-bar		34.5	25.9	28.8	23.4	28.9	20.5	21.5	28.9				
Original number of variables		29	32	28	32	32	29	34	29	1,462	-	-	-
Original mean deft		1.28	1.25	2.13	1.60	1.45	1.41	1.15	1.27	-	**1.38**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.29	1.23	2.05	1.63	1.47	1.42	1.14	1.28	-	-	-	**1.38**

Table B.3.2—Continued

Deft rank (total)	Variable	25 Guatemala 1	26 Madagascar 2	27 El Salvador 1	28 Togo 1	29 Burundi 1	30 Ecuador 1	31 Rwanda 2	32 Mali 1	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	3.24	2.13	1.64	2.48	1.13	2.19	1.30	1.56	44	2.19	48	2.21
2	Know a modern method	3.15	1.45	1.23	2.13	1.03	1.33	*1.35*	1.73	25	1.75	48	1.75
3	Mother received tetanus	1.65	1.27	1.52	2.11	1.05	1.57	1.11	1.92	45	1.62	48	1.65
4	Know a method	3.15	1.53	1.23	1.17	1.04	1.34	*1.32*	1.78	25	1.71	48	1.70
5	Know source for method	3.14	1.48	1.10	2.20	1.28	1.35	1.29	1.91	30	1.71	48	1.72
6	Illiterate	2.74	1.17	0.98	1.75	0.94	1.53	0.94	1.32	47	1.74	48	1.74
7	Dead	1.97	1.23	1.21	1.78	1.04	1.32	1.36	1.31	48	1.60	48	1.60
8	Ever used a method	2.18	1.50	1.35	1.03	1.15	1.42	1.28	1.58	48	1.57	48	1.57
9	Ideal family size	1.48	1.55	1.76	1.63	1.03	1.28	1.00	1.94	48	1.55	48	1.55
10	Age at marriage	1.47	1.15	0.92	1.23	1.09	1.21	0.87	1.49	48	1.47	48	1.47
11	Using any method	1.77	1.42	1.14	1.12	1.20	1.35	1.08	1.25	48	1.37	48	1.37
12	Births in last 5 years	1.67	1.07	1.80	1.25	0.85	1.52	1.02	1.16	48	1.46	48	1.46
13	Married	1.32	0.92	1.26	1.15	1.12	1.36	0.78	1.49	48	1.40	48	1.40
14	Using modern method	1.63	1.04	1.23	1.19	1.41	1.23	1.29	0.81	48	1.32	48	1.32
15	Using IUD	0.96	*1.07*	0.91	*1.22*	1.46	1.17	*0.99*	*1.13*	29	1.29	48	1.28
16	Children 0-4 years	1.53	1.00	1.73	1.18	0.84	1.46	1.03	1.13	47	1.41	48	1.41
17	Using pill	1.33	0.97	1.18	*1.13*	0.92	1.14	0.82	0.93	44	1.22	48	1.24
18	Using condom	*1.43*	0.97	*1.10*	*1.15*	*0.86*	*1.09*	*0.94*	*1.08*	12	1.21	48	1.21
19	Births 1-4 years	1.52	0.96	1.95	1.03	0.79	1.40	1.08	1.02	48	1.37	48	1.37
20	Using public source	1.51	0.91	1.25	*1.12*	1.22	0.95	0.97	1.02	46	1.28	48	1.28
21	Sterilized	1.30	0.95	0.94	*1.17*	*0.86*	1.06	*0.94*	*1.08*	30	1.23	48	1.22
22	Children ever born	1.31	1.00	1.73	1.36	0.93	1.32	1.10	0.88	48	1.34	48	1.34
23	Had diarrhea	0.98	1.10	0.85	1.41	0.93	*1.21*	0.89	0.92	44	1.29	48	1.31
24	Children weighed	1.60	*1.11*	*1.21*	1.10	0.83	*1.19*	*1.02*	1.22	19	1.30	48	1.33
25	Have health card	1.33	0.91	1.20	1.16	0.86	*1.05*	1.03	0.96	44	1.12	48	1.14
26	Height for age	1.63	*1.10*	*1.20*	0.97	0.92	*1.18*	*1.02*	1.09	19	1.29	48	1.31
27	Want no more children	1.31	1.35	1.10	0.89	0.88	0.87	1.04	1.36	48	1.24	48	1.24
28	Immunized	1.19	1.19	0.98	*1.10*	0.83	*1.08*	1.17	1.05	43	1.16	48	1.18
29	Births 5-9 years	1.29	0.88	1.22	1.22	0.93	1.35	1.07	*1.13*	44	1.26	48	1.25
30	Weight for age	1.51	*1.02*	*1.12*	1.16	1.01	*1.10*	*0.94*	1.10	19	1.20	48	1.22
31	Children born to 40-49	1.09	1.03	1.14	1.08	0.98	1.26	1.32	0.79	48	1.23	48	1.23
32	Given ORS	1.08	0.93	1.17	1.19	0.78	*1.12*	1.05	*1.07*	38	1.19	48	1.22
33	Want to delay next birth	1.10	1.11	0.90	0.97	0.91	1.09	1.05	1.21	48	1.15	48	1.15
34	IMR 1-4 years	1.06	1.19	1.17	1.03	0.63	0.99	0.94	1.14	45	1.13	48	1.12
35	Weight for height	*1.29*	*0.91*	*0.99*	1.03	0.94	*0.98*	*0.84*	0.93	10	1.00	48	1.09
36	Children 1-2 years	1.26	1.08	1.56	1.02	0.98	0.88	0.98	1.09	48	1.19	48	1.19
37	IMR 5-9 years	1.29	0.99	1.59	1.44	0.81	1.03	1.19	*1.03*	41	1.17	48	1.17
b-bar		17.2	27.8	37.2	18.2	14.5	23.3	24.1	22.1				
Original number of variables		35	32	32	31	35	28	28	31	1,462	-	-	-
Original mean deft		1.65	1.17	1.28	1.34	0.99	1.28	1.07	1.26	-	**1.38**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.63	1.15	1.26	1.31	0.98	1.24	1.07	1.23	-	-	-	**1.38**

Table B.3.2—Continued

Deft rank (total)	Variable	Deft rank (total) 33	34	35	36	37	38	39	40	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Bolivia 1	Brazil 1	Sudan 1	Namibia 2	Zimbabwe 1	Senegal 1	Dominican Republic 1	Uganda 1				
1	Medically delivered	1.93	*2.14*	1.97	1.58	2.80	1.75	1.35	1.78	44	2.19	48	2.21
2	Know a modern method	1.40	*1.71*	1.94	1.76	*1.92*	1.38	*1.70*	1.16	25	1.75	48	1.75
3	Mother received tetanus	1.53	1.82	1.68	1.23	1.56	1.34	1.25	1.07	45	1.62	48	1.65
4	Know a method	1.41	*1.67*	1.92	1.76	*1.87*	1.26	*1.65*	0.94	25	1.71	48	1.70
5	Know source for method	1.36	*1.69*	1.74	1.89	*1.89*	1.23	*1.66*	1.29	30	1.71	48	1.72
6	Illiterate	1.25	1.75	1.85	1.60	2.26	2.02	1.50	1.55	47	1.74	48	1.74
7	Dead	1.61	1.80	1.20	1.52	1.56	1.35	1.55	1.51	48	1.60	48	1.60
8	Ever used a method	1.30	1.35	1.81	2.11	1.14	1.54	1.38	1.29	48	1.57	48	1.57
9	Ideal family size	1.29	1.27	1.22	1.80	2.06	1.63	1.22	1.27	48	1.55	48	1.55
10	Age at marriage	1.43	1.34	1.38	1.42	2.13	1.00	1.40	1.60	48	1.47	48	1.47
11	Using any method	1.34	1.28	1.31	1.90	0.85	1.16	1.30	1.26	48	1.37	48	1.37
12	Births in last 5 years	1.39	1.40	1.26	1.25	1.95	1.43	1.49	1.47	48	1.46	48	1.46
13	Married	1.23	1.40	0.99	1.16	1.53	1.64	1.40	1.36	48	1.40	48	1.40
14	Using modern method	1.20	1.17	1.30	1.86	1.06	1.22	1.28	1.28	48	1.32	48	1.32
15	Using IUD	1.24	*1.25*	*1.19*	0.78	1.49	*1.16*	1.46	*1.19*	29	1.29	48	1.28
16	Children 0-4 years	1.37	1.36	1.20	1.29	1.92	1.33	1.45	1.35	47	1.41	48	1.41
17	Using pill	1.36	1.20	1.30	1.10	1.16	1.25	1.25	1.28	44	1.22	48	1.24
18	Using condom	*1.15*	*1.18*	*1.15*	*1.19*	*1.38*	*1.08*	*1.18*	*1.09*	12	1.21	48	1.21
19	Births 1-4 years	1.32	1.31	1.19	1.03	1.71	1.39	1.39	1.38	48	1.37	48	1.37
20	Using public source	1.03	1.25	1.12	1.69	1.66	1.06	1.39	1.23	46	1.28	48	1.28
21	Sterilized	1.10	1.31	*1.14*	1.91	1.30	*1.11*	1.29	*1.14*	30	1.23	48	1.22
22	Children ever born	1.37	1.39	1.23	1.36	1.61	1.18	1.41	1.54	48	1.34	48	1.34
23	Had diarrhea	1.30	1.19	1.16	1.16	1.24	1.44	1.48	1.09	44	1.29	48	1.31
24	Children weighed	1.28	1.07	*1.26*	*1.31*	1.81	1.18	1.30	1.39	19	1.30	48	1.33
25	Have health card	1.18	1.15	1.17	1.06	0.98	1.00	1.23	1.19	44	1.12	48	1.14
26	Height for age	1.28	1.24	*1.24*	*1.30*	2.40	0.87	1.55	1.00	19	1.29	48	1.31
27	Want no more children	1.16	1.27	1.19	1.24	1.64	1.09	1.17	1.42	48	1.24	48	1.24
28	Immunized	1.10	1.10	1.03	1.00	1.00	1.16	1.21	1.06	43	1.16	48	1.18
29	Births 5-9 years	1.36	1.27	*1.16*	1.61	1.52	1.39	1.43	1.37	44	1.26	48	1.25
30	Weight for age	1.32	1.15	*1.16*	*1.21*	1.93	1.02	1.14	1.09	19	1.20	48	1.22
31	Children born to 40-49	1.33	1.13	1.10	1.25	1.30	1.08	1.17	1.08	48	1.23	48	1.23
32	Given ORS	1.26	1.36	1.14	1.00	*1.34*	*1.12*	1.14	1.17	38	1.19	48	1.22
33	Want to delay next birth	1.22	1.22	1.19	0.97	1.26	0.82	1.06	0.99	48	1.15	48	1.15
34	IMR 1-4 years	1.22	1.11	1.27	1.33	0.80	0.88	1.19	0.92	45	1.13	48	1.12
35	Weight for height	*1.03*	*1.06*	*1.03*	*1.07*	*1.23*	0.87	*1.06*	*0.98*	10	1.00	48	1.09
36	Children 1-2 years	1.30	0.97	1.05	0.85	1.46	0.98	1.34	1.21	48	1.19	48	1.19
37	IMR 5-9 years	1.43	1.34	*1.09*	0.83	1.30	0.93	1.38	1.17	41	1.17	48	1.17
b-bar		10.5	17.4	14.4	37.8	26.4	34.5	12.4	19.5				
Original number of variables		35	30	28	32	**31**	33	32	33	1,462	-	-	-
Original mean deft		1.32	1.30	1.35	1.38	1.56	1.24	1.33	1.26	-	**1.38**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.31	1.34	1.31	1.36	1.57	1.23	1.34	1.25	-	-	-	**1.38**

Table B.3.2—Continued

Deft rank (total)	Variable	Deft rank (total) 41 Senegal 2	42 Jordan 2	43 Zambia 2	44 Paraguay 2	45 Peru 2	46 Sri Lanka 1	47 Peru 1	48 T&T 1	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	1.54	2.23	1.80	1.81	1.68	1.28	1.56	1.06	44	2.19	48	2.21
2	Know a modern method	1.49	*1.60*	1.11	*1.56*	*1.49*	*1.48*	*1.45*	*1.42*	25	1.75	48	1.75
3	Mother received tetanus	1.17	1.35	1.22	1.64	1.34	1.33	1.18	1.42	45	1.62	48	1.65
4	Know a method	1.41	*1.56*	1.11	*1.52*	*1.45*	*1.44*	*1.41*	*1.38*	25	1.71	48	1.70
5	Know source for method	1.43	1.26	1.22	1.17	1.10	*1.46*	*1.42*	*1.39*	30	1.71	48	1.72
6	Illiterate	1.34	1.69	1.14	1.03	1.08	1.35	1.19	1.33	47	1.74	48	1.74
7	Dead	1.26	1.32	1.65	1.67	1.09	1.22	1.24	1.52	48	1.60	48	1.60
8	Ever used a method	1.19	1.45	1.35	1.23	1.06	1.06	1.02	1.07	48	1.57	48	1.57
9	Ideal family size	1.58	1.23	1.25	1.25	1.17	1.39	1.12	1.05	48	1.55	48	1.55
10	Age at marriage	0.91	1.27	1.08	1.47	1.32	1.34	1.31	1.06	48	1.47	48	1.47
11	Using any method	0.96	1.27	1.33	1.11	1.14	1.27	0.86	1.01	48	1.37	48	1.37
12	Births in last 5 years	1.31	1.45	1.13	1.32	1.25	1.12	1.36	1.11	48	1.46	48	1.46
13	Married	1.13	1.29	1.09	1.28	1.18	1.02	1.29	1.13	48	1.40	48	1.40
14	Using modern method	1.13	1.21	1.32	1.13	1.12	1.18	0.94	1.09	48	1.32	48	1.32
15	Using IUD	1.21	1.17	*1.09*	1.08	1.15	*1.08*	1.08	1.24	29	1.29	48	1.28
16	Children 0-4 years	1.25	*1.29*	1.08	1.29	1.24	1.10	1.36	1.11	47	1.41	48	1.41
17	Using pill	1.06	1.14	1.11	1.30	1.16	1.16	0.96	1.04	44	1.22	48	1.24
18	Using condom	*0.99*	*1.11*	1.03	0.98	1.24	0.97	*1.00*	1.01	12	1.21	48	1.21
19	Births 1-4 years	1.33	1.41	1.24	1.25	1.27	1.05	1.33	1.10	48	1.37	48	1.37
20	Using public source	0.97	1.10	1.11	1.00	1.09	1.17	0.93	1.03	46	1.28	48	1.28
21	Sterilized	*0.99*	1.17	1.10	1.04	1.10	1.09	1.11	1.03	30	1.23	48	1.22
22	Children ever born	0.95	1.21	0.95	1.53	1.17	1.32	1.26	1.03	48	1.34	48	1.34
23	Had diarrhea	1.04	1.03	1.20	1.45	1.36	1.25	1.22	1.06	44	1.29	48	1.31
24	Children weighed	*1.09*	*1.21*	*1.11*	*1.18*	*1.13*	1.20	*1.10*	0.99	19	1.30	48	1.33
25	Have health card	1.07	1.19	1.09	1.01	1.18	0.81	0.97	1.14	44	1.12	48	1.14
26	Height for age	*1.08*	*1.20*	*1.10*	*1.17*	*1.12*	1.15	*1.09*	0.95	19	1.29	48	1.31
27	Want no more children	1.05	1.09	1.12	1.24	1.18	1.15	1.09	0.99	48	1.24	48	1.24
28	Immunized	1.28	1.29	1.01	1.15	1.19	1.07	0.89	*0.93*	43	1.16	48	1.18
29	Births 5-9 years	1.18	1.00	*1.07*	1.05	1.12	1.34	1.43	1.11	44	1.26	48	1.25
30	Weight for age	*1.00*	*1.12*	*1.02*	*1.09*	*1.04*	1.28	*1.01*	1.03	19	1.20	48	1.22
31	Children born to 40-49	0.80	1.26	1.07	1.23	1.13	1.01	1.23	0.90	48	1.23	48	1.23
32	Given ORS	0.93	1.11	0.96	1.34	1.11	*1.03*	0.90	1.25	38	1.19	48	1.22
33	Want to delay next birth	0.95	1.00	1.22	0.94	1.17	0.89	1.02	0.88	48	1.15	48	1.15
34	IMR 1-4 years	0.90	1.17	1.15	0.84	1.05	*0.94*	0.84	1.15	45	1.13	48	1.12
35	Weight for height	*0.89*	*0.99*	*0.91*	*0.97*	*0.93*	1.20	*0.90*	1.11	10	1.00	48	1.09
36	Children 1-2 years	1.22	1.15	1.17	1.07	1.07	1.17	1.04	1.06	48	1.19	48	1.19
37	IMR 5-9 years	0.72	*1.08*	0.96	*1.05*	1.06	1.37	1.07	1.30	41	1.17	48	1.17
b-bar		20.3	19.6	23.0	22.0	17.6	17.4	13.6	19.2				
Original number of variables		31	28	31	30	31	31	29	33	1,462	-	-	-
Original mean deft		1.15	1.27	1.17	1.23	1.18	1.17	1.13	1.10	-	**1.38**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.13	1.26	1.15	1.23	1.18	1.18	1.14	1.12	-	-	-	**1.38**

Note: Countries and variables are ranked by averaged deft values for the total sample. For variables relating to children, defts were computed with simple random sample of children as the denominator. Imputed values are shown in italics. IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. Number following country name indicates DHS-I or DHS-II survey.

Table B.3.3 Computed design effects (deft), with imputation for cells not computed, for the rural sample, Demographic and Health Surveys I and II

Deft rank (total)	Variable	Deft rank (total) 1	2	3	4	5	6	7	8	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Nigeria 2	Indonesia 1	Mexico 1	Indonesia 2	Egypt 1	Colombia 2	Northeast Brazil 2	Thailand 1				
1	Medically delivered	3.54	3.37	2.80	2.21	2.45	2.07	1.96	2.50	46	2.52	48	2.52
2	Know a modern method	2.75	3.03	3.02	2.63	1.30	*1.98*	*2.14*	*2.03*	34	1.98	48	1.96
3	Mother received tetanus	5.42	*2.72*	*2.27*	2.54	2.49	1.73	1.72	1.95	45	2.04	48	2.07
4	Know a method	2.70	3.04	3.00	2.58	1.27	*1.91*	*2.06*	*1.95*	33	1.91	48	1.89
5	Know source for method	2.94	2.91	*2.04*	2.52	1.49	1.98	1.46	*1.94*	43	1.87	48	1.86
6	Illiterate	3.57	2.91	1.78	2.24	2.13	1.01	*2.19*	2.38	46	1.90	48	1.90
7	Dead	2.95	2.21	1.59	1.97	2.07	1.78	1.97	1.59	48	1.71	48	1.71
8	Ever used a method	2.34	2.28	2.42	2.06	2.42	1.39	1.51	1.54	48	1.74	48	1.74
9	Ideal family size	1.87	2.46	1.74	1.61	1.39	1.59	2.60	2.00	48	1.66	48	1.66
10	Age at marriage	3.00	2.20	1.08	1.71	1.69	1.37	1.09	1.59	48	1.44	48	1.44
11	Using any method	2.22	2.13	2.23	2.07	1.88	1.53	1.49	1.49	47	1.57	48	1.56
12	Births in last 5 years	1.53	1.89	1.70	1.54	1.22	1.28	1.86	1.45	48	1.37	48	1.37
13	Married	2.31	1.36	1.40	1.53	1.34	1.54	1.39	1.10	48	1.37	48	1.37
14	Using modern method	*2.20*	2.22	1.97	2.13	1.96	1.58	1.55	1.49	38	1.55	48	1.56
15	Using IUD	*2.04*	2.27	1.29	2.37	1.84	1.24	*1.63*	1.98	16	1.50	48	1.48
16	Children 0-4 years	1.50	1.77	1.56	1.48	*1.41*	1.31	2.04	1.36	43	1.35	48	1.36
17	Using pill	*2.06*	2.28	1.26	1.89	1.74	1.25	1.80	1.56	28	1.49	48	1.50
18	Using condom	*2.35*	*2.35*	*1.93*	*2.11*	*1.72*	2.10	*1.89*	*1.78*	2	1.50	48	1.71
19	Births 1-4 years	1.52	1.84	1.52	1.58	1.15	1.42	2.16	1.43	47	1.31	48	1.31
20	Using public source	0.85	2.34	1.73	1.78	1.68	1.56	1.50	1.46	35	1.41	48	1.41
21	Sterilized	*1.98*	*1.98*	1.64	*1.77*	*1.47*	1.63	1.89	1.74	21	1.38	48	1.44
22	Children ever born	1.57	1.78	1.72	1.63	1.02	2.13	1.47	1.49	48	1.29	48	1.29
23	Had diarrhea	1.65	*1.79*	1.38	1.63	*1.38*	1.23	2.12	1.30	41	1.32	48	1.34
24	Children weighed	*1.80*	*1.79*	*1.48*	*1.60*	0.93	*1.32*	*1.44*	1.12	19	1.26	48	1.31
25	Have health card	1.51	*1.78*	*1.49*	1.74	0.95	1.31	*1.48*	1.42	44	1.34	48	1.36
26	Height for age	*1.80*	*1.80*	*1.49*	*1.60*	1.02	*1.32*	*1.44*	1.05	19	1.26	48	1.31
27	Want no more children	1.43	1.60	1.42	1.73	1.49	1.31	1.55	1.57	48	1.30	48	1.30
28	Immunized	1.62	*1.82*	*1.50*	1.47	1.66	1.11	1.67	1.18	41	1.37	48	1.36
29	Births 5-9 years	1.19	1.48	1.53	1.47	*1.29*	1.96	1.02	1.48	40	1.24	48	1.25
30	Weight for age	*1.79*	*1.79*	*1.48*	*1.59*	1.04	*1.32*	*1.44*	1.31	19	1.25	48	1.30
31	Children born to 40-49	1.57	1.64	1.52	1.78	1.31	1.90	1.01	1.46	48	1.21	48	1.21
32	Given ORS	1.22	*1.64*	0.83	1.47	*1.29*	1.27	1.24	1.18	38	1.22	48	1.23
33	Want to delay next birth	1.34	1.31	1.04	1.42	1.17	1.30	1.07	1.14	48	1.25	48	1.25
34	IMR 1-4 years	1.33	1.47	1.33	1.81	1.37	*1.32*	2.02	1.36	47	1.22	48	1.22
35	Weight for height	*1.64*	*1.64*	*1.34*	*1.47*	*1.20*	*1.20*	*1.31*	1.36	11	1.17	48	1.19
36	Children 1-2 years	1.30	1.11	1.01	1.36	0.96	1.26	1.28	1.10	48	1.10	48	1.10
37	IMR 5-9 years	1.22	1.64	1.51	1.79	*1.20*	*1.17*	1.14	1.31	39	1.15	48	1.16
b-bar		32.0	30.3	35.3	19.7	38.8	25.0	14.7	22.7				
Original number of variables		28	26	28	31	29	29	27	33	1,410	-	-	-
Original mean deft		2.07	2.10	1.68	1.86	1.53	1.52	1.61	1.50	-	**1.49**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		2.04	2.04	1.68	1.83	1.50	1.50	1.64	1.54	-	-	-	**1.49**

Table B.3.3—Continued

Deft rank (total)	Variable	Deft rank (total) 9 Morocco 1	10 Kenya 1	11 Tanzania 2	12 Nigeria (Ondo) 1	13 Niger 2	14 Dominican Republic 2	15 Liberia 1	16 Pakistan 2	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
1	Medically delivered	2.79	3.13	2.98	2.79	3.32	2.90	2.47	*2.45*	46	2.52	48	2.52
2	Know a modern method	2.50	2.37	2.05	1.62	2.07	*2.36*	2.06	2.12	34	1.98	48	1.96
3	Mother received tetanus	*2.46*	1.73	1.81	2.57	3.43	1.62	1.80	1.95	45	2.04	48	2.07
4	Know a method	2.50	2.04	1.98	1.56	1.81	*2.28*	2.06	2.06	33	1.91	48	1.89
5	Know source for method	2.78	1.98	1.86	1.58	2.61	2.41	2.06	1.73	43	1.87	48	1.86
6	Illiterate	1.73	1.79	1.82	2.30	*1.85*	1.80	3.88	1.49	46	1.90	48	1.90
7	Dead	2.28	2.79	2.07	1.18	2.08	1.68	2.18	1.30	48	1.71	48	1.71
8	Ever used a method	3.36	1.93	1.68	1.41	1.61	2.18	2.42	1.51	48	1.74	48	1.74
9	Ideal family size	2.30	2.69	1.66	1.35	1.75	1.30	1.95	1.39	48	1.66	48	1.66
10	Age at marriage	1.51	1.76	1.33	1.57	1.37	1.80	1.58	1.50	48	1.44	48	1.44
11	Using any method	2.65	1.75	1.39	1.36	1.28	2.16	2.15	1.40	47	1.57	48	1.56
12	Births in last 5 years	1.50	1.58	1.35	1.94	1.33	2.02	1.20	1.51	48	1.37	48	1.37
13	Married	1.06	1.79	1.64	2.08	1.11	2.13	2.10	1.24	48	1.37	48	1.37
14	Using modern method	2.50	1.46	1.05	1.41	*1.67*	2.00	2.24	1.40	38	1.55	48	1.56
15	Using IUD	*1.87*	1.26	*1.50*	*1.55*	*1.58*	*1.78*	*1.72*	*1.46*	16	1.50	48	1.48
16	Children 0-4 years	*1.64*	1.64	1.32	1.87	1.29	1.93	1.01	1.44	43	1.35	48	1.36
17	Using pill	2.15	1.41	*1.51*	*1.56*	*1.60*	1.31	*1.74*	*1.48*	28	1.49	48	1.50
18	Using condom	*2.16*	*1.90*	*1.73*	*1.80*	*1.83*	*2.05*	*1.99*	*1.69*	2	1.50	48	1.71
19	Births 1-4 years	1.42	1.54	1.14	1.71	1.22	1.75	1.25	1.46	47	1.31	48	1.31
20	Using public source	1.78	1.33	1.13	*1.49*	*1.51*	1.55	*1.65*	1.23	35	1.41	48	1.41
21	Sterilized	*1.82*	1.50	*1.46*	*1.50*	*1.54*	1.90	*1.68*	*1.42*	21	1.38	48	1.44
22	Children ever born	1.31	1.47	1.10	1.99	1.27	1.81	1.22	1.43	48	1.29	48	1.29
23	Had diarrhea	*1.65*	1.07	1.41	1.02	1.51	2.08	*1.55*	1.35	41	1.32	48	1.34
24	Children weighed	1.64	*1.46*	*1.32*	1.79	*1.40*	*1.57*	*1.52*	*1.29*	19	1.26	48	1.31
25	Have health card	2.16	1.24	1.58	1.40	1.78	1.69	1.51	1.45	44	1.34	48	1.36
26	Height for age	1.51	*1.46*	*1.32*	1.37	*1.40*	*1.57*	*1.52*	*1.29*	19	1.26	48	1.31
27	Want no more children	1.64	1.62	1.05	1.43	1.15	1.58	1.67	1.46	48	1.30	48	1.30
28	Immunized	1.92	1.56	1.43	1.06	1.37	1.25	1.98	1.29	41	1.37	48	1.36
29	Births 5-9 years	*1.54*	*1.43*	1.48	1.63	1.08	1.46	1.26	*1.22*	40	1.24	48	1.25
30	Weight for age	1.75	*1.46*	*1.31*	1.29	*1.39*	*1.56*	*1.51*	*1.28*	19	1.25	48	1.30
31	Children born to 40-49	1.14	1.29	1.18	1.08	1.31	1.52	1.07	1.17	48	1.21	48	1.21
32	Given ORS	*1.54*	1.25	1.36	0.93	1.32	1.29	*1.44*	1.41	38	1.22	48	1.23
33	Want to delay next birth	1.28	1.34	1.30	1.52	1.27	1.81	1.25	1.45	48	1.25	48	1.25
34	IMR 1-4 years	1.22	1.11	1.31	1.27	1.20	1.66	1.39	1.29	47	1.22	48	1.22
35	Weight for height	1.53	*1.32*	*1.20*	1.47	*1.27*	*1.43*	*1.38*	*1.17*	11	1.17	48	1.19
36	Children 1-2 years	1.28	1.26	1.08	1.39	1.06	1.34	1.12	1.24	48	1.10	48	1.10
37	IMR 5-9 years	*1.43*	*1.32*	1.61	0.95	1.06	1.44	1.32	*1.13*	39	1.15	48	1.16
b-bar		45.7	15.2	29.1	48.7	30.2	15.8	33.9	18.3				
Original number of variables		28	30	29	32	26	29	26	26	1,410	-	-	-
Original mean deft		1.90	1.69	1.52	1.56	1.60	1.77	1.78	1.47	-	**1.49**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.87	1.65	1.50	1.56	1.59	1.78	1.73	1.46	-	-	-	**1.49**

Table B.3.3—Continued

Deft rank (total)	Variable	17 Morocco 2	18 Burkina Faso 2	19 Cameroon 2	20 Tunisia 1	21 Colombia 1	22 Egypt 2	23 Ghana 1	24 Botswana 1	Original: Number of countries	Original: Mean deft	Imputed: Number of countries	Imputed: Mean deft
1	Medically delivered	3.03	3.56	2.15	2.83	2.14	2.29	2.92	1.87	46	2.52	48	2.52
2	Know a modern method	*2.32*	2.19	1.74	*1.95*	*1.88*	*1.87*	2.50	2.52	34	1.98	48	1.96
3	Mother received tetanus	1.16	2.39	1.88	1.97	1.46	1.77	2.51	1.71	45	2.04	48	2.07
4	Know a method	*2.23*	2.21	1.80	*1.88*	*1.81*	*1.80*	2.33	2.45	33	1.91	48	1.89
5	Know source for method	2.66	2.16	1.76	1.32	*1.79*	1.84	2.25	2.50	43	1.87	48	1.86
6	Illiterate	2.64	1.15	2.43	1.96	1.50	2.09	2.71	1.25	46	1.90	48	1.90
7	Dead	1.70	1.62	1.94	2.06	2.49	1.56	1.56	1.46	48	1.71	48	1.71
8	Ever used a method	2.81	1.94	1.95	1.95	1.05	1.64	1.72	1.57	48	1.74	48	1.74
9	Ideal family size	2.25	1.63	1.89	2.09	1.58	1.22	2.47	1.34	48	1.66	48	1.66
10	Age at marriage	1.33	1.62	1.50	1.55	2.30	1.58	1.31	1.26	48	1.44	48	1.44
11	Using any method	2.29	1.76	1.59	1.66	1.19	1.70	1.36	1.19	47	1.57	48	1.56
12	Births in last 5 years	1.65	1.16	0.93	1.46	1.44	1.34	1.35	1.03	48	1.37	48	1.37
13	Married	1.36	1.37	1.13	0.87	1.35	1.08	1.60	1.35	48	1.37	48	1.37
14	Using modern method	2.33	*1.52*	1.18	1.55	1.41	1.67	1.41	1.22	38	1.55	48	1.56
15	Using IUD	*1.77*	*1.47*	*1.39*	1.39	1.27	1.31	*1.60*	1.21	16	1.50	48	1.48
16	Children 0-4 years	1.52	1.09	0.99	*1.39*	1.47	1.30	1.36	1.04	43	1.35	48	1.36
17	Using pill	2.21	*1.49*	*1.40*	1.69	1.09	1.54	*1.65*	0.90	28	1.49	48	1.50
18	Using condom	*2.04*	*1.70*	*1.60*	*1.68*	*1.67*	*1.64*	*1.84*	*1.53*	2	1.50	48	1.71
19	Births 1-4 years	1.54	1.11	0.82	1.36	1.31	1.37	1.38	1.07	47	1.31	48	1.31
20	Using public source	2.05	*1.38*	*1.32*	1.31	1.47	1.34	*1.53*	1.19	35	1.41	48	1.41
21	Sterilized	*1.72*	*1.43*	*1.35*	0.84	1.55	*1.38*	*1.58*	1.07	21	1.38	48	1.44
22	Children ever born	1.25	1.03	1.25	1.61	1.76	1.03	1.27	1.21	48	1.29	48	1.29
23	Had diarrhea	1.29	1.14	1.37	*1.35*	1.07	1.23	1.41	1.61	41	1.32	48	1.34
24	Children weighed	*1.56*	*1.30*	*1.22*	1.48	1.28	*1.25*	1.25	*1.17*	19	1.26	48	1.31
25	Have health card	1.89	1.26	1.27	0.94	0.90	1.38	1.56	1.02	44	1.34	48	1.36
26	Height for age	*1.56*	*1.30*	*1.23*	1.22	1.55	*1.25*	1.09	*1.17*	19	1.26	48	1.31
27	Want no more children	1.49	1.51	0.97	1.24	0.80	1.26	1.60	1.02	48	1.30	48	1.30
28	Immunized	2.12	1.25	1.67	1.13	1.23	1.43	1.43	1.24	41	1.37	48	1.36
29	Births 5-9 years	1.14	1.01	0.98	*1.25*	1.63	1.22	1.13	1.25	40	1.24	48	1.25
30	Weight for age	*1.55*	*1.29*	*1.22*	1.00	2.02	*1.25*	1.00	*1.16*	19	1.25	48	1.30
31	Children born to 40-49	1.40	1.14	1.23	1.35	1.84	1.15	1.04	1.03	48	1.21	48	1.21
32	Given ORS	1.23	1.29	1.05	*1.23*	1.08	1.05	1.49	0.84	38	1.22	48	1.23
33	Want to delay next birth	1.61	1.17	1.42	1.24	1.03	1.16	1.34	1.35	48	1.25	48	1.25
34	IMR 1-4 years	1.28	1.13	1.04	0.87	0.98	1.01	1.22	1.10	47	1.22	48	1.22
35	Weight for height	*1.42*	*1.18*	*1.12*	1.12	*1.16*	*1.14*	1.16	*1.06*	11	1.17	48	1.19
36	Children 1-2 years	1.06	0.86	0.84	1.07	1.11	1.22	1.25	0.97	48	1.10	48	1.10
37	IMR 5-9 years	1.10	0.82	0.85	*1.16*	0.87	1.19	1.05	1.06	39	1.15	48	1.16
b-bar		69.2	30.6	25.5	34.5	32.8	25.0	37.7	27.8				
Original number of variables		28	27	28	29	32	29	32	32	1,410	-	-	-
Original mean deft		1.76	1.50	1.42	1.45	1.41	1.41	1.59	1.34	-	**1.49**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.77	1.48	1.39	1.46	1.45	1.42	1.60	1.32	-	-	-	**1.49**

Table B.3.3—Continued

Deft rank (total)	Variable	Deft rank (total) 25	26	27	28	29	30	31	32	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Guatemala 1	Madagascar 2	El Salvador 1	Togo 1	Burundi 1	Ecuador 1	Rwanda 2	Mali 1				
1	Medically delivered	2.74	3.87	2.06	3.15	2.94	2.68	1.93	1.66	46	2.52	48	2.52
2	Know a modern method	1.92	1.54	1.29	2.05	1.88	2.45	*1.78*	1.46	34	1.98	48	1.96
3	Mother received tetanus	1.73	2.26	1.75	3.21	2.67	2.26	1.55	1.57	45	2.04	48	2.07
4	Know a method	1.90	1.55	1.29	1.43	1.66	2.43	*1.72*	1.50	33	1.91	48	1.89
5	Know source for method	1.92	1.75	1.33	1.93	1.59	2.43	1.47	1.63	43	1.87	48	1.86
6	Illiterate	2.18	1.68	1.02	2.01	2.01	2.39	1.66	1.46	46	1.90	48	1.90
7	Dead	1.69	1.78	1.30	1.34	1.51	1.75	1.62	1.87	48	1.71	48	1.71
8	Ever used a method	1.98	1.40	1.42	1.48	1.38	1.93	1.62	1.43	48	1.74	48	1.74
9	Ideal family size	1.82	1.95	1.29	2.04	1.50	1.70	1.48	1.35	48	1.66	48	1.66
10	Age at marriage	1.12	1.41	0.84	1.15	1.26	1.40	1.71	1.37	48	1.44	48	1.44
11	Using any method	1.72	1.26	1.37	1.50	1.27	1.58	1.44	*1.50*	47	1.57	48	1.56
12	Births in last 5 years	1.30	1.20	1.05	1.24	1.23	1.32	1.40	1.39	48	1.37	48	1.37
13	Married	1.31	1.26	1.05	1.52	1.35	1.38	1.45	1.41	48	1.37	48	1.37
14	Using modern method	1.60	1.27	1.28	*1.58*	*1.46*	1.36	1.55	*1.42*	38	1.55	48	1.56
15	Using IUD	*1.45*	*1.40*	*1.16*	*1.49*	*1.38*	1.19	*1.35*	*1.34*	16	1.50	48	1.48
16	Children 0-4 years	1.28	1.10	1.26	1.30	1.09	1.25	1.35	1.56	43	1.35	48	1.36
17	Using pill	*1.46*	*1.42*	1.20	*1.51*	*1.42*	1.28	1.54	*1.35*	28	1.49	48	1.50
18	Using condom	*1.67*	*1.62*	*1.34*	*1.71*	*1.60*	*1.74*	*1.56*	*1.55*	2	1.50	48	1.71
19	Births 1-4 years	1.30	1.17	0.99	1.05	1.17	1.08	1.27	1.23	47	1.31	48	1.31
20	Using public source	1.61	0.97	1.22	*1.43*	*1.33*	1.15	1.32	*1.28*	35	1.41	48	1.41
21	Sterilized	1.43	*1.37*	1.57	*1.45*	*1.36*	1.10	*1.32*	*1.30*	21	1.38	48	1.44
22	Children ever born	1.10	0.99	1.02	1.37	0.92	1.45	1.22	1.15	48	1.29	48	1.29
23	Had diarrhea	1.31	1.23	1.13	1.07	1.16	*1.38*	1.10	1.50	41	1.32	48	1.34
24	Children weighed	1.29	*1.24*	*1.02*	1.25	0.93	*1.34*	*1.19*	1.42	19	1.26	48	1.31
25	Have health card	1.21	1.44	1.04	1.43	1.36	*1.38*	1.16	1.23	44	1.34	48	1.36
26	Height for age	1.35	*1.24*	*1.02*	1.20	1.21	*1.34*	*1.20*	0.97	19	1.26	48	1.31
27	Want no more children	1.36	1.34	0.78	1.37	1.24	1.05	1.12	1.12	48	1.30	48	1.30
28	Immunized	1.02	1.44	0.97	*1.38*	1.17	*1.41*	1.29	*1.24*	41	1.37	48	1.36
29	Births 5-9 years	0.93	1.22	1.00	1.37	1.04	1.26	1.08	*1.14*	40	1.24	48	1.25
30	Weight for age	1.13	*1.23*	*1.02*	1.26	1.08	*1.34*	*1.19*	1.28	19	1.25	48	1.30
31	Children born to 40-49	1.01	0.98	1.01	1.11	1.04	1.18	1.09	1.17	48	1.21	48	1.21
32	Given ORS	1.09	1.11	1.14	1.31	1.49	*1.26*	1.15	*1.12*	38	1.22	48	1.23
33	Want to delay next birth	1.21	1.17	1.09	1.05	1.32	1.15	1.13	1.26	48	1.25	48	1.25
34	IMR 1-4 years	0.95	1.13	1.30	0.97	1.17	1.01	1.13	0.89	47	1.22	48	1.22
35	Weight for height	*1.16*	*1.13*	*0.93*	0.93	1.05	*1.21*	*1.09*	1.32	11	1.17	48	1.19
36	Children 1-2 years	1.09	0.95	0.72	1.05	1.00	1.17	1.02	1.32	48	1.10	48	1.10
37	IMR 5-9 years	1.30	1.05	0.68	1.22	1.07	1.27	0.99	*1.05*	39	1.15	48	1.16
b-bar		25.5	30.6	50.9	25.1	33.3	26.0	38.0	21.3				
Original number of variables		33	29	31	30	31	28	28	26	1,410	-	-	-
Original mean deft		1.45	1.43	1.18	1.48	1.38	1.56	1.35	1.37	-	**1.49**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.45	1.41	1.16	1.48	1.39	1.51	1.36	1.35	-	-	-	**1.49**

Table B.3.3—Continued

Deft rank (total)	Variable	Deft rank (total) 33	34	35	36	37	38	39	40	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Bolivia 1	Brazil 1	Sudan 1	Namibia 2	Zimbabwe 1	Senegal 1	Dominican Republic 1	Uganda 1				
1	Medically delivered	2.43	*2.31*	2.90	1.70	2.08	2.50	1.73	2.59	46	2.52	48	2.52
2	Know a modern method	1.97	*1.81*	2.30	1.65	1.33	1.80	*1.73*	1.75	34	1.98	48	1.96
3	Mother received tetanus	1.59	1.82	2.15	1.85	1.56	2.36	1.07	1.81	45	2.04	48	2.07
4	Know a method	1.70	*1.74*	2.28	1.65	*1.59*	1.61	*1.66*	1.60	33	1.91	48	1.89
5	Know source for method	1.75	1.34	2.00	1.52	1.32	1.68	1.11	1.59	43	1.87	48	1.86
6	Illiterate	2.11	1.77	1.84	1.28	2.18	1.99	1.37	1.86	46	1.90	48	1.90
7	Dead	1.23	1.70	1.73	1.25	1.55	1.92	1.20	1.18	48	1.71	48	1.71
8	Ever used a method	1.47	1.28	1.81	1.55	1.36	2.10	1.17	1.73	48	1.74	48	1.74
9	Ideal family size	1.45	1.45	1.35	1.49	1.34	1.44	1.23	1.66	48	1.66	48	1.66
10	Age at marriage	1.19	0.90	1.29	1.47	0.91	1.25	1.56	1.23	48	1.44	48	1.44
11	Using any method	1.56	1.41	1.10	1.17	1.19	1.62	1.24	1.16	47	1.57	48	1.56
12	Births in last 5 years	1.41	1.43	1.28	1.50	1.12	0.94	1.56	1.10	48	1.37	48	1.37
13	Married	1.47	1.42	1.06	1.63	1.01	1.22	1.18	1.39	48	1.37	48	1.37
14	Using modern method	1.49	1.46	*1.49*	1.15	1.28	*1.46*	1.08	*1.40*	38	1.55	48	1.56
15	Using IUD	*1.46*	*1.40*	*1.45*	*1.31*	*1.27*	*1.36*	*1.31*	*1.32*	16	1.50	48	1.48
16	Children 0-4 years	1.37	1.44	*1.29*	1.49	1.04	0.95	1.56	1.05	43	1.35	48	1.36
17	Using pill	*1.46*	1.26	*1.46*	1.27	1.29	*1.40*	1.21	*1.35*	28	1.49	48	1.50
18	Using condom	*1.68*	*1.62*	*1.67*	*1.51*	*1.47*	*1.57*	*1.51*	*1.53*	2	1.50	48	1.71
19	Births 1-4 years	1.29	1.31	1.09	1.42	1.16	0.88	1.59	1.15	47	1.31	48	1.31
20	Using public source	1.41	1.43	*1.35*	1.09	1.52	*1.32*	1.21	*1.27*	35	1.41	48	1.41
21	Sterilized	*1.41*	1.48	*1.41*	0.99	*1.22*	*1.34*	1.26	*1.30*	21	1.38	48	1.44
22	Children ever born	1.34	1.12	1.07	1.17	1.11	0.75	1.29	1.02	48	1.29	48	1.29
23	Had diarrhea	1.18	1.36	*1.29*	1.41	1.07	1.38	1.29	1.26	41	1.32	48	1.34
24	Children weighed	1.32	1.50	*1.28*	*1.15*	1.20	0.94	1.28	0.98	19	1.26	48	1.31
25	Have health card	1.23	1.14	1.40	1.15	1.10	1.16	1.58	1.22	44	1.34	48	1.36
26	Height for age	1.54	1.80	*1.28*	*1.15*	1.41	1.06	1.26	1.01	19	1.26	48	1.31
27	Want no more children	1.51	1.26	1.25	1.30	1.15	1.29	1.33	1.15	48	1.30	48	1.30
28	Immunized	1.24	1.34	1.26	1.18	1.19	1.67	*1.19*	1.25	41	1.37	48	1.36
29	Births 5-9 years	1.37	1.25	*1.19*	1.32	0.97	0.99	1.36	1.14	40	1.24	48	1.25
30	Weight for age	1.27	1.43	*1.27*	*1.15*	1.46	1.10	1.13	1.17	19	1.25	48	1.30
31	Children born to 40-49	1.34	1.03	1.01	0.97	0.98	0.98	1.13	1.12	48	1.21	48	1.21
32	Given ORS	1.57	0.88	*1.18*	1.18	*1.04*	*1.15*	1.35	1.23	38	1.22	48	1.23
33	Want to delay next birth	1.37	1.35	1.16	1.18	1.15	1.25	1.25	1.08	48	1.25	48	1.25
34	IMR 1-4 years	1.40	1.18	1.51	0.99	1.23	1.19	1.33	0.97	47	1.22	48	1.22
35	Weight for height	*1.17*	*1.13*	*1.16*	*1.05*	*1.02*	0.97	*1.05*	*1.06*	11	1.17	48	1.19
36	Children 1-2 years	1.17	1.05	0.99	1.23	1.27	0.81	1.11	1.08	48	1.10	48	1.10
37	IMR 5-9 years	1.11	1.37	*1.11*	0.99	1.14	1.10	1.13	1.28	39	1.15	48	1.16
b-bar		15.0	16.3	23.1	32.1	24.8	31.1	13.0	24.0				
Original number of variables		32	31	22	31	31	30	31	30	1,410	-		
Original mean deft		1.46	1.35	1.54	1.33	1.28	1.36	1.29	1.33	-	**1.49**		
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.46	1.40	1.45	1.31	1.28	1.37	1.31	1.32	-	-	-	**1.49**

Table B.3.3—Continued

Deft rank (total)	Variable	Deft rank (total) 41	42	43	44	45	46	47	48	Original Number of countries	Original Mean deft	Imputed Number of countries	Imputed Mean deft
		Senegal 2	Jordan 2	Zambia 2	Paraguay 2	Peru 2	Sri Lanka 1	Peru 1	T&T 1				
1	Medically delivered	3.37	2.14	2.39	1.99	2.24	1.93	1.96	0.98	46	2.52	48	2.52
2	Know a modern method	1.75	*1.83*	1.45	1.18	1.75	*1.65*	1.21	*1.45*	34	1.98	48	1.96
3	Mother received tetanus	2.75	1.71	2.37	1.96	2.12	1.29	1.44	1.36	45	2.04	48	2.07
4	Know a method	1.96	*1.76*	1.25	1.16	1.68	*1.59*	1.13	*1.40*	33	1.91	48	1.89
5	Know source for method	1.91	1.80	1.51	1.29	1.65	*1.55*	1.23	*1.34*	43	1.87	48	1.86
6	Illiterate	1.77	1.63	1.99	1.22	1.46	1.32	1.61	0.99	46	1.90	48	1.90
7	Dead	1.40	1.65	1.42	1.23	1.64	1.56	1.38	0.99	48	1.71	48	1.71
8	Ever used a method	1.56	1.61	1.71	1.45	1.46	1.13	1.47	1.11	48	1.74	48	1.74
9	Ideal family size	1.75	1.43	1.37	1.42	1.29	1.37	1.35	1.05	48	1.66	48	1.66
10	Age at marriage	1.48	1.28	1.25	1.35	1.17	1.53	1.11	1.09	48	1.44	48	1.44
11	Using any method	1.32	1.64	1.61	1.46	1.46	1.16	1.26	1.24	47	1.57	48	1.56
12	Births in last 5 years	1.32	1.28	1.36	1.35	1.44	1.10	0.95	1.24	48	1.37	48	1.37
13	Married	1.40	1.14	1.40	1.29	1.21	1.12	1.17	0.93	48	1.37	48	1.37
14	Using modern method	*1.57*	1.76	1.39	1.33	1.29	1.20	1.39	1.32	38	1.55	48	1.56
15	Using IUD	*1.49*	1.65	*1.37*	*1.27*	1.35	*1.26*	1.13	1.19	16	1.50	48	1.48
16	Children 0-4 years	1.29	*1.24*	1.38	1.30	1.37	1.11	1.07	1.24	43	1.35	48	1.36
17	Using pill	*1.50*	2.01	*1.39*	1.19	1.10	1.26	1.81	1.29	28	1.49	48	1.50
18	Using condom	*1.72*	*1.62*	*1.59*	*1.47*	*1.56*	*1.46*	*1.41*	0.90	2	1.50	48	1.71
19	Births 1-4 years	1.26	*1.19*	1.35	1.32	1.33	1.13	0.87	1.14	47	1.31	48	1.31
20	Using public source	*1.42*	1.47	1.30	1.43	1.20	1.23	1.44	1.06	35	1.41	48	1.41
21	Sterilized	*1.45*	1.06	*1.34*	1.45	1.31	1.32	1.06	1.12	21	1.38	48	1.44
22	Children ever born	1.16	1.28	1.22	1.21	1.22	1.06	0.85	0.97	48	1.29	48	1.29
23	Had diarrhea	1.36	1.34	1.14	1.28	1.43	1.25	1.00	0.99	41	1.32	48	1.34
24	Children weighed	*1.31*	*1.23*	*1.21*	*1.12*	*1.19*	1.04	*1.08*	1.26	19	1.26	48	1.31
25	Have health card	1.47	1.42	1.36	1.32	1.15	1.13	1.29	0.96	44	1.34	48	1.36
26	Height for age	*1.31*	*1.23*	*1.21*	*1.13*	*1.19*	1.28	*1.08*	1.06	19	1.26	48	1.31
27	Want no more children	1.23	1.16	1.02	1.01	1.26	1.32	1.30	1.02	48	1.30	48	1.30
28	Immunized	1.52	1.34	1.41	1.04	1.36	1.12	1.08	*0.98*	41	1.37	48	1.36
29	Births 5-9 years	1.27	1.23	*1.19*	1.07	1.19	1.12	1.10	1.01	40	1.24	48	1.25
30	Weight for age	*1.31*	*1.23*	*1.21*	*1.12*	*1.19*	1.18	*1.07*	0.89	19	1.25	48	1.30
31	Children born to 40-49	1.14	0.91	1.11	1.24	1.05	1.16	1.01	1.09	48	1.21	48	1.21
32	Given ORS	1.15	1.04	1.25	1.25	1.52	1.05	1.50	1.16	38	1.22	48	1.23
33	Want to delay next birth	1.15	1.15	1.15	0.94	1.17	1.19	1.41	1.28	48	1.25	48	1.25
34	IMR 1-4 years	1.20	1.20	1.15	1.16	1.07	1.32	1.10	0.93	47	1.22	48	1.22
35	Weight for height	*1.19*	*1.13*	*1.10*	*1.02*	*1.09*	1.15	*0.98*	0.76	11	1.17	48	1.19
36	Children 1-2 years	0.91	1.15	1.09	1.16	0.92	0.96	0.93	1.07	48	1.10	48	1.10
37	IMR 5-9 years	0.98	*1.07*	0.90	1.10	1.06	1.24	1.03	0.98	39	1.15	48	1.16
b-bar		30.1	17.1	34.9	22.9	17.8	22.9	131.5	23.6				
Original number of variables		27	27	28	31	32	32	32	33	1,410	-	-	-
Original mean deft		1.51	1.43	1.40	1.29	1.37	1.23	1.24	1.08	-	**1.49**	-	-
Imputed number of variables		37	37	37	37	37	37	37	37	-	-	1,776	-
Imputed mean deft		1.49	1.41	1.38	1.28	1.36	1.27	1.22	1.10	-	-	-	**1.49**

Note: Countries and variables are ranked by averaged deft values for the total sample. For variables relating to children, defts were computed with simple random sample of children as the denominator. Imputed values are shown in italics. IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. Number following country name indicates DHS-I or DHS-II survey.

Table B.4.1 Modeled design effects (deft) for the total sample, Demographic and Health Surveys I and II

Deft rank (total)	Variable	Deft rank (total) 1 Nigeria 2	2 Indonesia 1	3 Mexico 1	4 Indonesia 2	5 Egypt 1	6 Colombia 2	7 NE Brazil 2	8 Thailand 1	Average over 48 countries
1	Medically delivered	**3.52**	**3.50**	**3.15**	**3.03**	**2.93**	**2.84**	**2.79**	**2.79**	**2.53**
2	Know a modern method	**2.89**	**2.87**	**2.58**	**2.48**	**2.40**	**2.33**	**2.28**	**2.28**	**2.08**
3	Mother received tetanus	**2.81**	**2.79**	**2.52**	**2.41**	**2.34**	**2.27**	**2.22**	**2.22**	**2.02**
4	Know a method	**2.79**	**2.78**	**2.50**	**2.40**	**2.32**	**2.26**	**2.21**	**2.21**	**2.01**
5	Know source for method	**2.69**	**2.68**	**2.41**	**2.32**	**2.24**	**2.18**	**2.13**	**2.13**	**1.94**
6	Illiterate	**2.65**	**2.63**	**2.37**	**2.27**	**2.20**	**2.14**	**2.09**	**2.09**	**1.90**
7	Dead	**2.45**	**2.43**	**2.19**	**2.10**	**2.04**	**1.98**	**1.94**	**1.94**	1.76
8	Ever used a method	**2.41**	**2.40**	**2.16**	**2.07**	**2.00**	**1.95**	**1.91**	**1.91**	1.73
9	Ideal family size	**2.37**	**2.36**	**2.12**	**2.04**	**1.97**	**1.92**	**1.88**	**1.88**	1.71
10	Age at marriage	**2.09**	**2.07**	**1.87**	1.79	1.73	1.68	1.65	1.65	1.50
11	Using any method	**2.08**	**2.07**	**1.87**	1.79	1.73	1.68	1.65	1.65	1.50
12	Births in last 5 years	**2.00**	**1.99**	1.79	1.72	1.67	1.62	1.58	1.58	1.44
13	Married	**1.99**	**1.98**	1.78	1.71	1.65	1.61	1.57	1.57	1.43
14	Using modern method	**1.99**	**1.98**	1.78	1.71	1.65	1.61	1.57	1.57	1.43
15	Using IUD	**1.97**	**1.96**	1.77	1.70	1.64	1.60	1.56	1.56	1.42
16	Children 0-4 years	**1.96**	**1.95**	1.76	1.69	1.63	1.58	1.55	1.55	1.41
17	Using pill	**1.96**	**1.95**	1.75	1.68	1.63	1.58	1.55	1.55	1.41
18	Using condom	**1.92**	**1.91**	1.72	1.65	1.60	1.55	1.52	1.52	1.38
19	Births 1-4 years	**1.92**	**1.91**	1.72	1.65	1.60	1.55	1.52	1.52	1.38
20	Using public source	**1.89**	**1.88**	1.69	1.63	1.57	1.53	1.50	1.50	1.36
21	Sterilized	**1.89**	**1.88**	1.69	1.62	1.57	1.53	1.49	1.49	1.36
22	Children ever born	**1.87**	**1.86**	1.68	1.61	1.56	1.51	1.48	1.48	1.35
23	Had diarrhea	**1.86**	**1.85**	1.67	1.60	1.55	1.51	1.47	1.47	1.34
24	Children weighed	**1.85**	**1.84**	1.66	1.59	1.54	1.50	1.47	1.47	1.33
25	Have health card	**1.85**	**1.84**	1.66	1.59	1.54	1.50	1.46	1.46	1.33
26	Height for age	**1.84**	**1.83**	1.65	1.59	1.53	1.49	1.46	1.46	1.33
27	Want no more children	**1.83**	**1.82**	1.64	1.57	1.52	1.48	1.45	1.45	1.32
28	Immunized	**1.82**	**1.81**	1.63	1.57	1.52	1.47	1.44	1.44	1.31
29	Births 5-9 years	**1.80**	1.78	1.61	1.54	1.49	1.45	1.42	1.42	1.29
30	Weight for age	1.79	1.78	1.60	1.54	1.49	1.44	1.42	1.41	1.29
31	Children born to 40-49	1.75	1.74	1.57	1.50	1.46	1.41	1.38	1.38	1.26
32	Given ORS	1.74	1.73	1.56	1.49	1.45	1.40	1.38	1.38	1.26
33	Want to delay next birth	1.72	1.71	1.54	1.48	1.43	1.39	1.36	1.36	1.25
34	IMR 1-4 years	1.71	1.70	1.53	1.47	1.42	1.38	1.35	1.35	1.24
35	Weight for height	1.65	1.64	1.48	1.42	1.38	1.34	1.31	1.31	1.21
36	Children 1-2 years	1.62	1.61	1.45	1.39	1.35	1.31	1.29	1.28	**1.19**
37	IMR 5-9 years	1.59	1.58	1.43	1.39	1.32	1.28	1.29	1.26	**1.17**
Average over variables		**2.07**	**2.06**	**1.85**	1.78	1.72	1.67	1.64	1.64	**1.49**
n (women)		8,781	11,884	9,310	22,909	8,911	8,644	6,223	6,775	-
Number of PSUs		294	400	374	1169	226	236	354	288	-
b-bar		29.9	29.7	24.9	19.6	39.4	36.6	17.6	23.5	-
Dw		1.36	1.20	1.43	1.39	1.03	1.20	1.29	1.21	-

Table B.4.1—Continued

Deft rank (total)		Deft rank (total) 9	10	11	12	13	14	15	16	Average over 48 countries
		Morocco 1	Kenya 1	Tanzania 2	Nigeria 1 (Ondo)	Niger 2	Dominican R. 2	Liberia 1	Pakistan 2	
1	Medically delivered	**2.76**	**2.75**	**2.75**	**2.73**	**2.71**	**2.69**	**2.69**	**2.66**	**2.53**
2	Know a modern method	**2.26**	**2.26**	**2.25**	**2.24**	**2.23**	**2.20**	**2.21**	**2.18**	**2.08**
3	Mother received tetanus	**2.20**	**2.19**	**2.19**	**2.18**	**2.17**	**2.14**	**2.15**	**2.12**	**2.02**
4	Know a method	**2.19**	**2.18**	**2.18**	**2.17**	**2.15**	**2.13**	**2.14**	**2.11**	**2.01**
5	Know source for method	**2.11**	**2.11**	**2.10**	**2.09**	**2.08**	**2.06**	**2.06**	**2.04**	**1.94**
6	Illiterate	**2.08**	**2.07**	**2.07**	**2.05**	**2.04**	**2.02**	**2.02**	**2.00**	**1.90**
7	Dead	**1.92**	**1.91**	**1.91**	**1.90**	**1.89**	**1.87**	**1.87**	**1.85**	1.76
8	Ever used a method	**1.89**	**1.88**	**1.88**	**1.87**	**1.86**	**1.84**	**1.84**	**1.82**	1.73
9	Ideal family size	**1.86**	**1.85**	**1.85**	**1.84**	**1.83**	**1.81**	**1.82**	**1.79**	1.71
10	Age at marriage	1.64	1.63	1.63	1.62	1.61	1.59	1.60	1.58	1.50
11	Using any method	1.63	1.63	1.63	1.62	1.61	1.59	1.59	1.57	1.50
12	Births in last 5 years	1.57	1.56	1.56	1.55	1.54	1.53	1.53	1.51	1.44
13	Married	1.56	1.55	1.55	1.54	1.53	1.52	1.52	1.50	1.43
14	Using modern method	1.56	1.55	1.55	1.54	1.53	1.52	1.52	1.50	1.43
15	Using IUD	1.55	1.54	1.54	1.53	1.52	1.51	1.51	1.49	1.42
16	Children 0-4 years	1.54	1.53	1.53	1.52	1.51	1.50	1.50	1.48	1.41
17	Using pill	1.54	1.53	1.53	1.52	1.51	1.49	1.50	1.48	1.41
18	Using condom	1.51	1.50	1.50	1.49	1.48	1.46	1.47	1.45	1.38
19	Births 1-4 years	1.50	1.50	1.50	1.49	1.48	1.46	1.47	1.45	1.38
20	Using public source	1.48	1.48	1.48	1.47	1.46	1.44	1.45	1.43	1.36
21	Sterilized	1.48	1.48	1.47	1.47	1.46	1.44	1.45	1.43	1.36
22	Children ever born	1.47	1.46	1.46	1.45	1.44	1.43	1.43	1.41	1.35
23	Had diarrhea	1.46	1.46	1.45	1.45	1.44	1.42	1.43	1.41	1.34
24	Children weighed	1.45	1.45	1.45	1.44	1.43	1.41	1.42	1.40	1.33
25	Have health card	1.45	1.45	1.44	1.44	1.43	1.41	1.42	1.40	1.33
26	Height for age	1.45	1.44	1.44	1.43	1.42	1.41	1.41	1.39	1.33
27	Want no more children	1.44	1.43	1.43	1.42	1.41	1.40	1.40	1.38	1.32
28	Immunized	1.43	1.42	1.42	1.41	1.41	1.39	1.39	1.38	1.31
29	Births 5-9 years	1.41	1.40	1.40	1.39	1.38	1.37	1.37	1.36	1.29
30	Weight for age	1.40	1.40	1.40	1.39	1.38	1.36	1.37	1.35	1.29
31	Children born to 40-49	1.37	1.37	1.37	1.36	1.35	1.35	1.34	1.34	1.26
32	Given ORS	1.36	1.36	1.36	1.35	1.34	1.35	1.33	1.34	1.26
33	Want to delay next birth	1.35	1.35	1.34	1.34	1.33	1.35	1.32	1.34	1.25
34	IMR 1-4 years	1.34	1.33	1.33	1.32	1.32	1.35	1.31	1.34	1.24
35	Weight for height	1.30	1.29	1.29	1.28	1.27	1.35	1.26	1.34	1.21
36	Children 1-2 years	1.27	1.27	1.27	1.26	1.25	1.35	1.24	1.34	**1.19**
37	IMR 5-9 years	1.24	1.27	1.25	1.23	1.22	1.35	1.21	1.34	**1.17**
Average over variables		1.62	1.62	1.61	1.60	1.59	1.59	1.58	1.57	**1.49**
n (women)		5,982	7,150	9,238	4,213	6,503	7,320	5,239	6,611	-
Number of PSUs		212	442	346	90	228	387	156	389	-
b-bar		28.2	16.2	26.7	46.8	28.5	18.9	33.6	17.0	-
Dw		1.00	1.27	1.25	1.00	1.12	1.35	1.13	1.34	-

Table B.4.1—Continued

Deft rank (total)		Deft rank (total) 17	18	19	20	21	22	23	24	Average over 48 countries
		Morocco 2	Burkina Faso 2	Cameroon 2	Tunisia 1	Colombia 1	Egypt 2	Ghana 1	Botswana 1	
1	Medically delivered	**2.67**	**2.64**	**2.62**	**2.57**	**2.55**	**2.54**	**2.53**	**2.48**	**2.53**
2	Know a modern method	**2.19**	**2.17**	**2.15**	**2.11**	**2.09**	**2.08**	**2.08**	**2.03**	**2.08**
3	Mother received tetanus	**2.13**	**2.11**	**2.09**	**2.05**	**2.03**	**2.03**	**2.02**	**1.98**	**2.02**
4	Know a method	**2.12**	**2.10**	**2.08**	**2.04**	**2.02**	**2.01**	**2.01**	**1.97**	**2.01**
5	Know source for method	**2.04**	**2.02**	**2.00**	**1.97**	**1.95**	**1.94**	**1.94**	**1.90**	**1.94**
6	Illiterate	**2.00**	**1.99**	**1.97**	**1.93**	**1.91**	**1.91**	**1.90**	**1.86**	**1.90**
7	Dead	**1.85**	**1.84**	**1.82**	1.79	1.77	1.77	1.76	1.73	1.76
8	Ever used a method	**1.83**	**1.81**	1.79	1.76	1.74	1.74	1.73	1.70	1.73
9	Ideal family size	**1.80**	1.78	1.77	1.73	1.72	1.71	1.71	1.67	1.71
10	Age at marriage	1.58	1.57	1.55	1.52	1.51	1.50	1.50	1.47	1.50
11	Using any method	1.58	1.57	1.55	1.52	1.51	1.50	1.50	1.47	1.50
12	Births in last 5 years	1.52	1.50	1.49	1.46	1.45	1.44	1.44	1.41	1.44
13	Married	1.51	1.49	1.48	1.45	1.44	1.43	1.43	1.40	1.43
14	Using modern method	1.51	1.49	1.48	1.45	1.44	1.43	1.43	1.40	1.43
15	Using IUD	1.50	1.48	1.47	1.44	1.43	1.42	1.42	1.39	1.42
16	Children 0-4 years	1.49	1.47	1.46	1.43	1.42	1.41	1.41	1.38	1.41
17	Using pill	1.48	1.47	1.46	1.43	1.42	1.41	1.41	1.38	1.41
18	Using condom	1.46	1.44	1.43	1.40	1.39	1.38	1.38	1.35	1.38
19	Births 1-4 years	1.45	1.44	1.43	1.40	1.39	1.38	1.38	1.35	1.38
20	Using public source	1.43	1.42	1.41	1.38	1.37	1.36	1.36	1.33	1.36
21	Sterilized	1.43	1.42	1.41	1.38	1.37	1.36	1.36	1.33	1.36
22	Children ever born	1.42	1.41	1.39	1.37	1.35	1.35	1.34	1.32	1.35
23	Had diarrhea	1.41	1.40	1.39	1.36	1.35	1.34	1.34	1.31	1.34
24	Children weighed	1.40	1.39	1.38	1.35	1.34	1.34	1.33	1.31	1.33
25	Have health card	1.40	1.39	1.38	1.35	1.34	1.33	1.33	1.30	1.33
26	Height for age	1.40	1.39	1.37	1.35	1.34	1.33	1.33	1.30	1.33
27	Want no more children	1.39	1.38	1.36	1.34	1.33	1.32	1.32	1.29	1.32
28	Immunized	1.38	1.37	1.36	1.33	1.32	1.31	1.31	1.28	1.31
29	Births 5-9 years	1.36	1.35	1.34	1.31	1.30	1.29	1.29	1.27	1.29
30	Weight for age	1.35	1.34	1.33	1.31	1.29	1.29	1.29	1.26	1.29
31	Children born to 40-49	1.33	1.31	1.30	1.28	1.27	1.26	1.26	1.23	1.26
32	Given ORS	1.32	1.31	1.29	1.27	1.26	1.25	1.25	1.23	1.26
33	Want to delay next birth	1.30	1.29	1.28	1.26	1.25	1.24	1.24	1.21	1.25
34	IMR 1-4 years	1.29	1.28	1.27	1.25	1.24	1.23	1.23	**1.20**	1.24
35	Weight for height	1.25	1.24	1.23	1.21	**1.20**	**1.19**	**1.19**	**1.17**	1.21
36	Children 1-2 years	1.23	1.22	1.21	**1.18**	**1.17**	**1.17**	**1.17**	**1.14**	**1.19**
37	IMR 5-9 years	**1.20**	**1.19**	**1.18**	**1.16**	**1.15**	**1.14**	**1.14**	**1.12**	**1.17**
Average over variables		1.57	1.55	1.54	1.51	1.50	1.49	1.49	1.46	**1.49**
n (women)		9,256	6,354	3,871	4,184	5,329	9,864	4,488	4,368	-
Number of PSUs		200	224	142	156	180	436	150	154	-
b-bar		46.3	28.4	27.3	26.8	29.6	22.6	29.9	28.4	-
Dw		1.00	1.10	1.08	1.00	1.03	1.12	1.00	1.09	-

Table B.4.1—Continued

Deft rank (total)		Deft rank (total)								Average over 48 countries
		25	26	27	28	29	30	31	32	
		Guatemala 1	Madagascar 2	El Salvador 1	Togo 1	Burundi 1	Ecuador 1	Rwanda 2	Mali 1	
1	Medically delivered	**2.46**	**2.45**	**2.45**	**2.43**	**2.40**	**2.40**	**2.38**	**2.38**	**2.53**
2	Know a modern method	**2.02**	**2.01**	**2.01**	**2.00**	**1.97**	**1.96**	**1.96**	**1.95**	**2.08**
3	Mother received tetanus	**1.96**	**1.96**	**1.95**	**1.94**	**1.92**	**1.91**	**1.90**	**1.90**	**2.02**
4	Know a method	**1.95**	**1.95**	**1.94**	**1.93**	**1.91**	**1.90**	**1.89**	**1.89**	**2.01**
5	Know source for method	**1.88**	**1.88**	**1.88**	**1.86**	**1.84**	**1.83**	**1.83**	**1.82**	**1.94**
6	Illiterate	**1.85**	**1.84**	**1.84**	**1.83**	**1.81**	**1.80**	1.79	1.79	**1.90**
7	Dead	1.71	1.70	1.70	1.69	1.67	1.67	1.66	1.65	1.76
8	Ever used a method	1.68	1.68	1.68	1.67	1.64	1.64	1.63	1.63	1.73
9	Ideal family size	1.66	1.65	1.65	1.64	1.62	1.61	1.61	1.60	1.71
10	Age at marriage	1.46	1.45	1.45	1.44	1.42	1.42	1.41	1.41	1.50
11	Using any method	1.46	1.45	1.45	1.44	1.42	1.42	1.41	1.41	1.50
12	Births in last 5 years	1.40	1.39	1.39	1.38	1.37	1.36	1.36	1.35	1.44
13	Married	1.39	1.38	1.38	1.37	1.36	1.35	1.35	1.34	1.43
14	Using modern method	1.39	1.38	1.38	1.37	1.36	1.35	1.35	1.34	1.43
15	Using IUD	1.38	1.38	1.37	1.37	1.35	1.34	1.34	1.33	1.42
16	Children 0-4 years	1.37	1.37	1.37	1.36	1.34	1.34	1.33	1.33	1.41
17	Using pill	1.37	1.36	1.36	1.35	1.34	1.33	1.33	1.32	1.41
18	Using condom	1.34	1.34	1.34	1.33	1.31	1.31	1.30	1.30	1.38
19	Births 1-4 years	1.34	1.34	1.33	1.33	1.31	1.30	1.30	1.30	1.38
20	Using public source	1.32	1.32	1.32	1.31	1.29	1.29	1.28	1.28	1.36
21	Sterilized	1.32	1.32	1.31	1.31	1.29	1.29	1.28	1.28	1.36
22	Children ever born	1.31	1.30	1.30	1.29	1.28	1.27	1.27	1.26	1.35
23	Had diarrhea	1.30	1.30	1.30	1.29	1.27	1.27	1.26	1.26	1.34
24	Children weighed	1.30	1.29	1.29	1.28	1.26	1.26	1.26	1.25	1.33
25	Have health card	1.29	1.29	1.29	1.28	1.26	1.26	1.25	1.25	1.33
26	Height for age	1.29	1.28	1.28	1.28	1.26	1.26	1.25	1.25	1.33
27	Want no more children	1.28	1.28	1.28	1.27	1.25	1.25	1.24	1.24	1.32
28	Immunized	1.27	1.27	1.27	1.26	1.24	1.24	1.23	1.23	1.31
29	Births 5-9 years	1.26	1.25	1.25	1.24	1.23	1.22	1.22	1.21	1.29
30	Weight for age	1.25	1.25	1.24	1.24	1.22	1.22	1.21	1.21	1.29
31	Children born to 40-49	1.22	1.22	1.22	1.21	**1.19**	**1.19**	**1.18**	**1.18**	1.26
32	Given ORS	1.22	1.21	1.21	**1.20**	**1.19**	**1.18**	**1.18**	**1.17**	1.26
33	Want to delay next birth	**1.20**	**1.20**	**1.20**	**1.19**	**1.18**	**1.17**	**1.17**	**1.16**	1.25
34	IMR 1-4 years	**1.19**	**1.19**	**1.19**	**1.18**	**1.16**	**1.16**	**1.16**	**1.15**	1.24
35	Weight for height	**1.16**	**1.15**	**1.15**	**1.14**	**1.13**	**1.12**	**1.12**	**1.12**	1.21
36	Children 1-2 years	**1.13**	**1.13**	**1.13**	**1.12**	**1.11**	**1.10**	**1.10**	**1.10**	**1.19**
37	IMR 5-9 years	**1.11**	**1.11**	**1.10**	**1.10**	**1.08**	**1.08**	**1.07**	**1.10**	**1.17**
Average over variables		1.45	1.44	1.44	1.43	1.41	1.41	1.40	1.40	**1.49**
n (women)		5,160	6,260	5,207	3,360	3,970	4,713	6,551	3,200	-
Number of PSUs		242	212	88	152	144	194	190	148	-
b-bar		21.3	29.5	59.2	22.1	27.6	24.3	34.5	21.6	-
Dw		1.00	1.06	1.03	1.00	1.06	1.00	1.04	1.10	-

Table B.4.1—Continued

Deft rank (total)		Deft rank (total)								Average over 48 countries
		33	34	35	36	37	38	39	40	
		Bolivia 1	Brazil 1	Sudan 1	Namibia 2	Zimbabwe 1	Senegal 1	Dominican R. 1	Uganda 1	
1	Medically delivered	**2.35**	**2.38**	**2.34**	**2.32**	**2.30**	**2.27**	**2.23**	**2.25**	**2.53**
2	Know a modern method	**1.93**	**1.95**	**1.92**	**1.90**	**1.89**	**1.86**	**1.83**	**1.84**	**2.08**
3	Mother received tetanus	**1.88**	**1.90**	**1.87**	**1.85**	**1.84**	**1.81**	**1.78**	**1.79**	**2.02**
4	Know a method	**1.87**	**1.88**	**1.86**	**1.84**	**1.83**	**1.80**	1.77	1.78	**2.01**
5	Know source for method	**1.80**	**1.82**	1.79	1.78	1.76	1.74	1.71	1.72	**1.94**
6	Illiterate	1.77	1.79	1.76	1.74	1.73	1.71	1.68	1.69	**1.90**
7	Dead	1.64	1.65	1.63	1.61	1.60	1.58	1.55	1.56	1.76
8	Ever used a method	1.61	1.63	1.60	1.59	1.58	1.56	1.53	1.54	1.73
9	Ideal family size	1.59	1.60	1.58	1.56	1.55	1.53	1.50	1.51	1.71
10	Age at marriage	1.39	1.41	1.39	1.37	1.36	1.35	1.32	1.33	1.50
11	Using any method	1.39	1.41	1.39	1.37	1.36	1.35	1.32	1.33	1.50
12	Births in last 5 years	1.34	1.35	1.33	1.32	1.31	1.29	1.27	1.28	1.44
13	Married	1.33	1.34	1.32	1.31	1.30	1.28	1.26	1.27	1.43
14	Using modern method	1.33	1.34	1.32	1.31	1.30	1.28	1.26	1.27	1.43
15	Using IUD	1.32	1.33	1.31	1.30	1.29	1.28	1.25	1.26	1.42
16	Children 0-4 years	1.31	1.32	1.31	1.29	1.28	1.27	1.24	1.25	1.41
17	Using pill	1.31	1.32	1.30	1.29	1.28	1.26	1.24	1.25	1.41
18	Using condom	1.28	1.30	1.28	1.27	1.26	1.24	1.22	1.23	1.38
19	Births 1-4 years	1.28	1.29	1.28	1.26	1.25	1.24	1.22	1.22	1.38
20	Using public source	1.26	1.28	1.26	1.25	1.24	1.22	1.20	1.21	1.36
21	Sterilized	1.26	1.27	1.26	1.25	1.24	1.22	1.20	1.21	1.36
22	Children ever born	1.25	1.26	1.24	1.23	1.22	1.21	**1.19**	**1.19**	1.35
23	Had diarrhea	1.25	1.26	1.24	1.23	1.22	**1.20**	**1.18**	**1.19**	1.34
24	Children weighed	1.24	1.25	1.23	1.22	1.21	**1.20**	**1.18**	**1.18**	1.33
25	Have health card	1.24	1.25	1.23	1.22	1.21	**1.20**	**1.17**	**1.18**	1.33
26	Height for age	1.23	1.24	1.23	1.22	1.21	**1.19**	**1.17**	**1.18**	1.33
27	Want no more children	1.22	1.24	1.22	1.21	**1.20**	**1.18**	**1.16**	**1.17**	1.32
28	Immunized	1.22	1.23	1.21	**1.20**	**1.19**	**1.18**	**1.16**	**1.16**	1.31
29	Births 5-9 years	1.21	1.21	**1.19**	**1.18**	**1.17**	**1.16**	**1.16**	**1.15**	1.29
30	Weight for age	1.21	1.21	**1.19**	**1.18**	**1.17**	**1.15**	**1.16**	**1.14**	1.29
31	Children born to 40-49	**1.21**	**1.18**	**1.16**	**1.15**	**1.14**	**1.13**	**1.16**	**1.12**	1.26
32	Given ORS	**1.21**	**1.17**	**1.16**	**1.15**	**1.14**	**1.12**	**1.16**	**1.11**	1.26
33	Want to delay next birth	**1.21**	**1.16**	**1.15**	**1.14**	**1.13**	**1.11**	**1.16**	**1.11**	1.25
34	IMR 1-4 years	**1.21**	**1.15**	**1.14**	**1.13**	**1.12**	**1.10**	**1.16**	**1.11**	1.24
35	Weight for height	**1.21**	**1.12**	**1.10**	**1.09**	**1.08**	**1.07**	**1.16**	**1.11**	1.21
36	Children 1-2 years	**1.21**	**1.09**	**1.08**	**1.07**	**1.06**	**1.05**	**1.16**	**1.11**	**1.19**
37	IMR 5-9 years	**1.21**	**1.07**	**1.06**	**1.05**	**1.04**	**1.02**	**1.16**	**1.11**	**1.17**
Average over variables		1.40	1.40	1.38	1.36	1.35	1.34	1.33	1.33	**1.49**
n (women)		7,923	5,892	5,860	5,421	4,201	4,415	7,645	4,730	-
Number of PSUs		676	344	314	160	166	136	604	206	-
b-bar		11.7	17.1	18.7	33.9	25.3	32.5	12.7	23.0	-
Dw		1.21	1.06	1.00	1.03	1.00	1.00	1.16	1.11	-

Table B.4.1—Continued

Deft rank (total)		Deft rank (total)								Average over 48 countries
		41	42	43	44	45	46	47	48	
		Senegal 2	Jordan 2	Zambia 2	Paraguay 2	Peru 2	Sri Lanka 1	Peru 1	T&T 1	
1	Medically delivered	**2.25**	**2.21**	**2.19**	**2.11**	**2.10**	**2.07**	**2.06**	**1.89**	**2.53**
2	Know a modern method	**1.85**	**1.81**	**1.80**	1.73	1.72	1.70	1.69	1.55	**2.08**
3	Mother received tetanus	**1.80**	1.76	1.75	1.68	1.68	1.65	1.64	1.51	**2.02**
4	Know a method	1.79	1.75	1.74	1.67	1.67	1.64	1.63	1.50	**2.01**
5	Know source for method	1.73	1.69	1.68	1.61	1.61	1.59	1.58	1.45	**1.94**
6	Illiterate	1.69	1.66	1.65	1.58	1.58	1.56	1.55	1.42	**1.90**
7	Dead	1.57	1.53	1.52	1.47	1.46	1.44	1.43	1.32	1.76
8	Ever used a method	1.54	1.51	1.50	1.44	1.44	1.42	1.41	1.29	1.73
9	Ideal family size	1.52	1.49	1.48	1.42	1.42	1.40	1.39	1.27	1.71
10	Age at marriage	1.34	1.31	1.30	1.25	1.24	1.23	1.22	**1.12**	1.50
11	Using any method	1.33	1.31	1.30	1.25	1.24	1.23	1.22	**1.12**	1.50
12	Births in last 5 years	1.28	1.25	1.25	1.20	**1.19**	**1.18**	**1.17**	**1.08**	1.44
13	Married	1.27	1.25	1.24	1.19	**1.19**	**1.17**	**1.16**	**1.07**	1.43
14	Using modern method	1.27	1.25	1.24	**1.19**	**1.18**	**1.17**	**1.16**	**1.07**	1.43
15	Using IUD	1.26	1.24	1.23	**1.18**	**1.18**	**1.16**	**1.16**	**1.06**	1.42
16	Children 0-4 years	1.26	1.23	1.22	**1.18**	**1.17**	**1.15**	**1.15**	**1.05**	1.41
17	Using pill	1.25	1.23	1.22	**1.17**	**1.17**	**1.15**	**1.15**	**1.05**	1.41
18	Using condom	1.23	1.20	**1.20**	**1.15**	**1.15**	**1.13**	**1.12**	**1.03**	1.38
19	Births 1-4 years	1.23	1.20	**1.19**	**1.15**	**1.14**	**1.13**	**1.12**	**1.03**	1.38
20	Using public source	1.21	**1.19**	**1.18**	**1.13**	**1.13**	**1.11**	**1.11**	**1.02**	1.36
21	Sterilized	1.21	**1.18**	**1.18**	**1.13**	**1.13**	**1.11**	**1.11**	**1.01**	1.36
22	Children ever born	**1.20**	**1.17**	**1.16**	**1.12**	**1.12**	**1.10**	**1.09**	**1.01**	1.35
23	Had diarrhea	**1.19**	**1.17**	**1.16**	**1.12**	**1.11**	**1.10**	**1.09**	**1.00**	1.34
24	Children weighed	**1.19**	**1.16**	**1.15**	**1.11**	**1.11**	**1.09**	**1.08**	**1.00**	1.33
25	Have health card	**1.19**	**1.16**	**1.15**	**1.11**	**1.10**	**1.09**	**1.08**	**1.00**	1.33
26	Height for age	**1.18**	**1.16**	**1.15**	**1.10**	**1.10**	**1.09**	**1.08**	**1.00**	1.33
27	Want no more children	**1.17**	**1.15**	**1.14**	**1.10**	**1.09**	**1.08**	**1.07**	**1.00**	1.32
28	Immunized	**1.17**	**1.14**	**1.13**	**1.09**	**1.09**	**1.07**	**1.07**	**1.00**	1.31
29	Births 5-9 years	**1.15**	**1.13**	**1.12**	**1.08**	**1.07**	**1.06**	**1.05**	**1.00**	1.29
30	Weight for age	**1.14**	**1.12**	**1.11**	**1.07**	**1.07**	**1.05**	**1.05**	**1.00**	1.29
31	Children born to 40-49	**1.12**	**1.10**	**1.09**	**1.05**	**1.07**	**1.05**	**1.02**	**1.00**	1.26
32	Given ORS	**1.11**	**1.09**	**1.08**	**1.05**	**1.07**	**1.05**	**1.02**	**1.00**	1.26
33	Want to delay next birth	**1.10**	**1.08**	**1.07**	**1.05**	**1.07**	**1.05**	**1.01**	**1.00**	1.25
34	IMR 1-4 years	**1.09**	**1.08**	**1.06**	**1.05**	**1.07**	**1.05**	**1.00**	**1.00**	1.24
35	Weight for height	**1.06**	**1.08**	**1.03**	**1.05**	**1.07**	**1.05**	**1.00**	**1.00**	1.21
36	Children 1-2 years	**1.04**	**1.08**	**1.02**	**1.05**	**1.07**	**1.05**	**1.00**	**1.00**	**1.19**
37	IMR 5-9 years	**1.02**	**1.08**	**1.02**	**1.05**	**1.07**	**1.05**	**1.00**	**1.00**	**1.17**
Average over variables		179.28	185.63	199.59	166.28	455.13	167.54	141.03	**109.31**	**1.49**
n (women)		6,310	6,461	7,060	5,827	15,882	5,865	4,999	3,806	-
Number of PSUs		252	344	252	260	897	270	142	178	-
b-bar		25.0	18.8	28.0	22.4	17.7	21.7	35.2	21.4	-
Dw		1.00	1.08	1.02	1.05	1.07	1.05	1.00	1.00	-

Note: Countries and variables are ranked by averaged deft values for the total sample. For variables relating to children, defts were computed with simple random sample of children as the denominator. Bolded figures indicate defts <= 1.2 or >= 1.8 (overall mean deft = 1.5). IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. PSU is primary sampling unit. Number following country name indicates DHS-I or DHS-II survey.

Table B.4.2 Modeled design effects (deft) for the urban sample, Demographic and Health Surveys I and II

Deft rank		Deft rank (total)								Average over 48
		1	2	3	4	5	6	7	8	
(total)	Variable	Nigeria 2	Indonesia 1	Mexico 1	Indonesia 2	Egypt 1	Colombia 2	Northeast Brazil 2	Thailand 1	countries
1	Medically delivered	2.56	3.33	3.03	2.61	2.65	2.45	2.23	1.85	2.21
2	Know a modern method	2.03	2.64	2.40	2.06	2.10	1.94	1.77	1.47	1.75
3	Mother received tetanus	1.92	2.49	2.27	1.95	1.98	1.83	1.67	1.39	1.65
4	Know a method	1.97	2.57	2.34	2.01	2.04	1.89	1.72	1.43	1.70
5	Know source for method	2.00	2.60	2.37	2.03	2.07	1.91	1.74	1.45	1.72
6	Illiterate	2.01	2.62	2.38	2.05	2.08	1.93	1.75	1.46	1.74
7	Dead	1.85	2.41	2.20	1.89	1.92	1.77	1.62	1.34	1.60
8	Ever used a method	1.82	2.37	2.16	1.85	1.88	1.74	1.59	1.32	1.57
9	Ideal family size	1.80	2.34	2.13	1.83	1.86	1.72	1.57	1.30	1.55
10	Age at marriage	1.70	2.22	2.02	1.74	1.76	1.63	1.49	1.23	1.47
11	Using any method	1.59	2.07	1.88	1.62	1.64	1.52	1.38	1.15	1.37
12	Births in last 5 years	1.69	2.20	2.00	1.72	1.75	1.62	1.47	1.22	1.46
13	Married	1.62	2.11	1.92	1.65	1.67	1.55	1.41	1.17	1.40
14	Using modern method	1.53	1.99	1.81	1.56	1.58	1.46	1.33	1.11	1.32
15	Using IUD	1.48	1.93	1.75	1.51	1.53	1.42	1.29	1.07	1.28
16	Children 0-4 years	1.63	2.12	1.93	1.66	1.69	1.56	1.42	1.18	1.41
17	Using pill	1.44	1.87	1.70	1.47	1.49	1.38	1.26	1.04	1.25
18	Using condom	1.40	1.82	1.66	1.43	1.45	1.34	1.26	1.03	1.22
19	Births 1-4 years	1.59	2.07	1.89	1.62	1.65	1.52	1.39	1.15	1.37
20	Using public source	1.48	1.92	1.75	1.51	1.53	1.42	1.29	1.07	1.28
21	Sterilized	1.42	1.84	1.68	1.44	1.46	1.36	1.26	1.03	1.23
22	Children ever born	1.55	2.02	1.84	1.58	1.60	1.49	1.35	1.12	1.34
23	Had diarrhea	1.52	1.97	1.80	1.55	1.57	1.45	1.32	1.10	1.31
24	Children weighed	1.54	2.00	1.82	1.57	1.59	1.47	1.34	1.11	1.33
25	Have health card	1.32	1.72	1.61	1.35	1.37	1.27	1.26	1.03	1.17
26	Height for age	1.52	1.98	1.80	1.55	1.57	1.46	1.33	1.10	1.32
27	Want no more children	1.44	1.87	1.70	1.46	1.48	1.37	1.26	1.04	1.24
28	Immunized	1.36	1.77	1.61	1.39	1.41	1.30	1.26	1.03	1.19
29	Births 5-9 years	1.45	1.89	1.72	1.48	1.50	1.39	1.27	1.05	1.26
30	Weight for age	1.42	1.84	1.68	1.44	1.46	1.36	1.26	1.03	1.23
31	Children born to 40-49	1.43	1.86	1.69	1.46	1.48	1.37	1.26	1.03	1.24
32	Given ORS	1.41	1.84	1.67	1.44	1.46	1.35	1.26	1.03	1.23
33	Want to delay next birth	1.33	1.73	1.61	1.35	1.37	1.27	1.26	1.03	1.18
34	IMR 1-4 years	1.30	1.69	1.61	1.34	1.34	1.24	1.26	1.03	1.16
35	Weight for height	1.26	1.64	1.61	1.34	1.30	1.21	1.26	1.03	1.14
36	Children 1-2 years	1.38	1.79	1.63	1.40	1.43	1.32	1.26	1.03	1.20
37	IMR 5-9 years	1.36	1.77	1.61	1.39	1.41	1.30	1.26	1.03	1.19
Average over variables		1.60	2.08	1.90	1.63	1.65	1.53	1.42	1.17	**1.39**
n (women)		3,530	4,431	5,989	7,051	4,410	6,995	4,315	2,423	-
Number of PSUs		130	154	280	363	110	170	224	96	-
b-bar		27.2	28.8	21.4	19.4	40.1	41.1	19.3	25.2	-
Dw		1.16	1.26	1.61	1.34	1.04	1.12	1.26	1.03	-

Table B.4.2—Continued

Deft rank (total)	Variable	Deft rank (total) 9 Morocco 1	10 Kenya 1	11 Tanzania 2	12 Nigeria 1 (Ondo)	13 Niger 2	14 Dominican R. 2	15 Liberia 1	16 Pakistan 2	Average over 48 countries
1	Medically delivered	2.33	2.08	2.66	2.72	2.06	2.30	2.26	2.49	2.21
2	Know a modern method	1.85	1.65	2.10	2.15	1.63	1.82	1.79	1.97	1.75
3	Mother received tetanus	1.75	1.56	1.99	2.04	1.54	1.72	1.69	1.87	1.65
4	Know a method	1.80	1.61	2.05	2.10	1.59	1.77	1.74	1.92	1.70
5	Know source for method	1.82	1.63	2.07	2.12	1.61	1.79	1.77	1.94	1.72
6	Illiterate	1.83	1.64	2.09	2.14	1.62	1.81	1.78	1.96	1.74
7	Dead	1.69	1.51	1.92	1.97	1.49	1.66	1.64	1.80	1.60
8	Ever used a method	1.66	1.48	1.89	1.93	1.46	1.63	1.61	1.77	1.57
9	Ideal family size	1.64	1.46	1.87	1.91	1.44	1.61	1.59	1.75	1.55
10	Age at marriage	1.55	1.39	1.77	1.81	1.37	1.53	1.51	1.66	1.47
11	Using any method	1.45	1.29	1.65	1.69	1.28	1.43	1.40	1.55	1.37
12	Births in last 5 years	1.54	1.37	1.75	1.79	1.36	1.52	1.49	1.64	1.46
13	Married	1.48	1.32	1.68	1.72	1.30	1.45	1.43	1.58	1.40
14	Using modern method	1.39	1.24	1.59	1.62	1.23	1.37	1.35	1.49	1.32
15	Using IUD	1.35	1.20	1.54	1.57	1.19	1.33	1.31	1.44	1.28
16	Children 0-4 years	1.48	1.33	1.69	1.73	1.31	1.46	1.44	1.59	1.41
17	Using pill	1.31	1.17	1.49	1.53	1.16	1.30	1.27	1.40	1.25
18	Using condom	1.28	1.14	1.46	1.49	1.13	1.30	1.24	1.36	1.22
19	Births 1-4 years	1.45	1.29	1.65	1.69	1.28	1.43	1.41	1.55	1.37
20	Using public source	1.35	1.20	1.54	1.57	1.19	1.33	1.31	1.44	1.28
21	Sterilized	1.29	1.15	1.47	1.50	1.14	1.30	1.25	1.38	1.23
22	Children ever born	1.41	1.26	1.61	1.65	1.25	1.39	1.37	1.51	1.34
23	Had diarrhea	1.38	1.23	1.58	1.61	1.22	1.36	1.34	1.48	1.31
24	Children weighed	1.40	1.25	1.60	1.63	1.24	1.38	1.36	1.50	1.33
25	Have health card	1.21	1.08	1.44	1.41	1.06	1.30	1.17	1.35	1.17
26	Height for age	1.39	1.24	1.58	1.62	1.22	1.37	1.35	1.48	1.32
27	Want no more children	1.31	1.17	1.49	1.52	1.15	1.30	1.27	1.40	1.24
28	Immunized	1.24	1.11	1.44	1.45	1.10	1.30	1.20	1.35	1.19
29	Births 5-9 years	1.32	1.18	1.51	1.54	1.17	1.30	1.28	1.41	1.26
30	Weight for age	1.29	1.15	1.47	1.50	1.14	1.30	1.25	1.38	1.23
31	Children born to 40-49	1.30	1.16	1.48	1.52	1.15	1.30	1.26	1.39	1.24
32	Given ORS	1.29	1.15	1.47	1.50	1.14	1.30	1.25	1.38	1.23
33	Want to delay next birth	1.21	1.08	1.44	1.41	1.07	1.30	1.17	1.35	1.18
34	IMR 1-4 years	1.18	1.06	1.44	1.38	1.04	1.30	1.15	1.35	1.16
35	Weight for height	1.15	1.02	1.44	1.34	1.03	1.30	1.11	1.35	1.14
36	Children 1-2 years	1.26	1.12	1.44	1.47	1.11	1.30	1.22	1.35	1.20
37	IMR 5-9 years	1.24	1.11	1.44	1.44	1.09	1.30	1.20	1.35	1.19
Average over variables		1.46	1.30	1.67	1.70	1.28	1.46	1.41	1.57	**1.39**
n (women)		2,781	1,917	1,838	1,683	2,696	4,854	1,785	3,384	-
Number of PSUs		142	98	92	38	102	232	54	214	-
b-bar		19.6	19.6	20.0	44.3	26.4	20.9	33.1	15.8	-
Dw		1.00	1.00	1.44	1.00	1.03	1.30	1.07	1.35	-

Table B.4.2—Continued

Deft rank (total)	Variable	Deft rank (total) 17 Morocco 2	18 Burkina Faso 2	19 Cameroon 2	20 Tunisia 1	21 Colombia 1	22 Egypt 2	23 Ghana 1	24 Botswana 1	Average over 48 countries
1	Medically delivered	2.07	1.97	3.28	2.61	2.35	2.28	1.82	2.05	2.21
2	Know a modern method	1.64	1.56	2.60	2.06	1.86	1.81	1.44	1.62	1.75
3	Mother received tetanus	1.55	1.48	2.45	1.95	1.76	1.71	1.36	1.54	1.65
4	Know a method	1.60	1.52	2.53	2.01	1.81	1.76	1.40	1.58	1.70
5	Know source for method	1.62	1.54	2.56	2.03	1.84	1.78	1.42	1.60	1.72
6	Illiterate	1.63	1.55	2.58	2.05	1.85	1.79	1.43	1.61	1.74
7	Dead	1.50	1.43	2.37	1.89	1.70	1.65	1.32	1.49	1.60
8	Ever used a method	1.47	1.40	2.33	1.85	1.67	1.62	1.29	1.46	1.57
9	Ideal family size	1.45	1.39	2.30	1.83	1.65	1.60	1.28	1.44	1.55
10	Age at marriage	1.38	1.31	2.18	1.73	1.57	1.52	1.21	1.37	1.47
11	Using any method	1.28	1.22	2.03	1.62	1.46	1.41	1.13	1.27	1.37
12	Births in last 5 years	1.37	1.30	2.16	1.72	1.55	1.51	1.20	1.35	1.46
13	Married	1.31	1.25	2.07	1.65	1.49	1.44	1.15	1.30	1.40
14	Using modern method	1.24	1.18	1.96	1.56	1.40	1.36	1.09	1.23	1.32
15	Using IUD	1.20	1.14	1.90	1.51	1.36	1.32	1.05	1.19	1.28
16	Children 0-4 years	1.32	1.26	2.09	1.66	1.50	1.45	1.16	1.31	1.41
17	Using pill	1.16	1.11	1.84	1.46	1.32	1.28	1.02	1.15	1.25
18	Using condom	1.13	1.08	1.79	1.43	1.29	1.25	1.00	1.12	1.22
19	Births 1-4 years	1.29	1.23	2.04	1.62	1.46	1.42	1.13	1.28	1.37
20	Using public source	1.20	1.14	1.89	1.51	1.36	1.32	1.05	1.19	1.28
21	Sterilized	1.15	1.09	1.81	1.44	1.30	1.26	1.01	1.13	1.23
22	Children ever born	1.26	1.20	1.99	1.58	1.43	1.38	1.10	1.24	1.34
23	Had diarrhea	1.23	1.17	1.94	1.54	1.39	1.35	1.08	1.22	1.31
24	Children weighed	1.24	1.19	1.97	1.56	1.41	1.37	1.09	1.23	1.33
25	Have health card	1.07	1.02	1.69	1.35	1.22	1.18	1.00	1.06	1.17
26	Height for age	1.23	1.17	1.95	1.55	1.40	1.36	1.08	1.22	1.32
27	Want no more children	1.16	1.11	1.84	1.46	1.32	1.28	1.02	1.15	1.24
28	Immunized	1.10	1.05	1.74	1.39	1.25	1.21	1.00	1.09	1.19
29	Births 5-9 years	1.18	1.12	1.86	1.48	1.33	1.29	1.03	1.16	1.26
30	Weight for age	1.15	1.09	1.81	1.44	1.30	1.26	1.01	1.13	1.23
31	Children born to 40-49	1.16	1.10	1.83	1.45	1.31	1.27	1.02	1.14	1.24
32	Given ORS	1.14	1.09	1.81	1.44	1.30	1.26	1.01	1.13	1.23
33	Want to delay next birth	1.08	1.02	1.70	1.35	1.22	1.18	1.00	1.07	1.18
34	IMR 1-4 years	1.05	1.00	1.66	1.32	1.19	1.16	1.00	1.04	1.16
35	Weight for height	1.02	1.00	1.61	1.28	1.16	1.16	1.00	1.01	1.14
36	Children 1-2 years	1.12	1.06	1.77	1.40	1.27	1.23	1.00	1.11	1.20
37	IMR 5-9 years	1.10	1.05	1.74	1.38	1.25	1.21	1.00	1.09	1.19
Average over variables		1.29	1.23	2.05	1.63	1.47	1.42	1.15	1.28	**1.39**
n (women)		4,550	2,741	2,186	2,527	4,281	4,673	1,549	2,258	-
Number of PSUs		132	106	76	108	148	228	72	78	-
b-bar		34.5	25.9	28.8	23.4	28.9	20.5	21.5	28.9	-
Dw		1.00	1.00	1.11	1.00	1.03	1.16	1.00	1.00	-

Table B.4.2—Continued

Deft rank (total)	Variable	Deft rank (total) 25 Guatemala 1	26 Madagascar 2	27 El Salvador 1	28 Togo 1	29 Burundi 1	30 Ecuador 1	31 Rwanda 2	32 Mali 1	Average over 48 countries
1	Medically delivered	2.62	1.85	2.02	2.09	1.58	1.99	1.71	1.97	2.21
2	Know a modern method	2.07	1.46	1.60	1.66	1.25	1.58	1.35	1.56	1.75
3	Mother received tetanus	1.96	1.38	1.51	1.57	1.18	1.49	1.28	1.48	1.65
4	Know a method	2.02	1.42	1.55	1.61	1.22	1.53	1.32	1.52	1.70
5	Know source for method	2.04	1.44	1.57	1.63	1.23	1.55	1.33	1.54	1.72
6	Illiterate	2.06	1.45	1.58	1.65	1.24	1.56	1.34	1.55	1.74
7	Dead	1.90	1.34	1.46	1.52	1.14	1.44	1.24	1.43	1.60
8	Ever used a method	1.86	1.31	1.43	1.49	1.12	1.41	1.21	1.40	1.57
9	Ideal family size	1.84	1.30	1.41	1.47	1.11	1.40	1.20	1.39	1.55
10	Age at marriage	1.74	1.23	1.34	1.39	1.05	1.32	1.14	1.31	1.47
11	Using any method	1.62	1.14	1.25	1.30	1.00	1.23	1.06	1.22	1.37
12	Births in last 5 years	1.73	1.22	1.33	1.38	1.04	1.31	1.13	1.30	1.46
13	Married	1.66	1.17	1.28	1.32	1.00	1.26	1.08	1.25	1.40
14	Using modern method	1.56	1.10	1.20	1.25	1.00	1.19	1.02	1.18	1.32
15	Using IUD	1.51	1.07	1.17	1.21	1.00	1.15	1.00	1.14	1.28
16	Children 0-4 years	1.67	1.18	1.28	1.33	1.01	1.27	1.09	1.26	1.41
17	Using pill	1.47	1.04	1.13	1.18	1.00	1.12	1.00	1.11	1.25
18	Using condom	1.43	1.01	1.10	1.15	1.00	1.09	1.00	1.08	1.22
19	Births 1-4 years	1.63	1.15	1.25	1.30	1.00	1.24	1.06	1.23	1.37
20	Using public source	1.51	1.07	1.16	1.21	1.00	1.15	1.00	1.14	1.28
21	Sterilized	1.45	1.02	1.11	1.16	1.00	1.10	1.00	1.09	1.23
22	Children ever born	1.59	1.12	1.22	1.27	1.00	1.21	1.04	1.20	1.34
23	Had diarrhea	1.55	1.09	1.20	1.24	1.00	1.18	1.01	1.17	1.31
24	Children weighed	1.57	1.11	1.21	1.26	1.00	1.19	1.02	1.19	1.33
25	Have health card	1.35	1.00	1.04	1.08	1.00	1.03	1.00	1.03	1.17
26	Height for age	1.56	1.10	1.20	1.24	1.00	1.18	1.02	1.17	1.32
27	Want no more children	1.47	1.03	1.13	1.17	1.00	1.12	1.00	1.11	1.24
28	Immunized	1.39	1.00	1.07	1.11	1.00	1.06	1.00	1.05	1.19
29	Births 5-9 years	1.49	1.05	1.14	1.19	1.00	1.13	1.00	1.12	1.26
30	Weight for age	1.45	1.02	1.12	1.16	1.00	1.10	1.00	1.09	1.23
31	Children born to 40-49	1.46	1.03	1.13	1.17	1.00	1.11	1.00	1.10	1.24
32	Given ORS	1.45	1.02	1.11	1.16	1.00	1.10	1.00	1.09	1.23
33	Want to delay next birth	1.36	1.00	1.05	1.09	1.00	1.03	1.00	1.03	1.18
34	IMR 1-4 years	1.33	1.00	1.03	1.06	1.00	1.01	1.00	1.03	1.16
35	Weight for height	1.29	1.00	1.03	1.03	1.00	1.00	1.00	1.03	1.14
36	Children 1-2 years	1.41	1.00	1.09	1.13	1.00	1.07	1.00	1.06	1.20
37	IMR 5-9 years	1.39	1.00	1.07	1.11	1.00	1.06	1.00	1.05	1.19
Average over variables		1.63	1.16	1.26	1.31	1.06	1.24	1.10	1.23	**1.39**
n (women)		2,096	2,282	3,271	1,201	637	2,790	1,158	1,283	-
Number of PSUs		122	82	88*	66	44	120	48	58	-
b-bar		17.2	27.8	37.2	18.2	14.5	23.3	24.1	22.1	-
Dw		1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.03	-

Table B.4.2—Continued

Deft rank (total)	Variable	Deft rank (total) 33 Bolivia 1	34 Brazil 1	35 Sudan 1	36 Namibia 2	37 Zimbabwe 1	38 Senegal 1	39 Dominican R. 1	40 Uganda 1	Average over 48 countries
1	Medically delivered	2.09	2.15	2.09	2.18	2.51	1.97	2.16	2.00	2.21
2	Know a modern method	1.66	1.70	1.66	1.73	1.99	1.56	1.71	1.58	1.75
3	Mother received tetanus	1.57	1.61	1.57	1.63	1.88	1.47	1.61	1.49	1.65
4	Know a method	1.61	1.66	1.61	1.68	1.94	1.51	1.66	1.54	1.70
5	Know source for method	1.63	1.68	1.63	1.70	1.96	1.53	1.68	1.56	1.72
6	Illiterate	1.65	1.69	1.64	1.71	1.97	1.54	1.69	1.57	1.74
7	Dead	1.52	1.56	1.52	1.58	1.82	1.42	1.56	1.45	1.60
8	Ever used a method	1.49	1.53	1.49	1.55	1.79	1.40	1.53	1.42	1.57
9	Ideal family size	1.47	1.51	1.47	1.53	1.76	1.38	1.51	1.40	1.55
10	Age at marriage	1.39	1.43	1.39	1.45	1.67	1.31	1.43	1.33	1.47
11	Using any method	1.30	1.33	1.30	1.35	1.56	1.22	1.34	1.24	1.37
12	Births in last 5 years	1.38	1.42	1.38	1.44	1.66	1.30	1.42	1.32	1.46
13	Married	1.32	1.36	1.32	1.38	1.59	1.24	1.36	1.26	1.40
14	Using modern method	1.25	1.28	1.25	1.30	1.50	1.17	1.29	1.19	1.32
15	Using IUD	1.21	1.24	1.21	1.26	1.45	1.14	1.25	1.16	1.28
16	Children 0-4 years	1.33	1.37	1.33	1.39	1.60	1.25	1.37	1.27	1.41
17	Using pill	1.20	1.21	1.18	1.23	1.41	1.10	1.21	1.12	1.25
18	Using condom	1.20	1.18	1.15	1.19	1.38	1.08	1.18	1.09	1.22
19	Births 1-4 years	1.30	1.34	1.30	1.36	1.56	1.22	1.34	1.24	1.37
20	Using public source	1.21	1.24	1.21	1.26	1.45	1.14	1.25	1.15	1.28
21	Sterilized	1.20	1.19	1.16	1.21	1.39	1.09	1.19	1.10	1.23
22	Children ever born	1.27	1.30	1.27	1.32	1.52	1.19	1.31	1.21	1.34
23	Had diarrhea	1.24	1.27	1.24	1.29	1.49	1.17	1.28	1.18	1.31
24	Children weighed	1.26	1.29	1.26	1.31	1.51	1.18	1.29	1.20	1.33
25	Have health card	1.20	1.11	1.08	1.13	1.30	1.02	1.16	1.03	1.17
26	Height for age	1.24	1.28	1.24	1.30	1.49	1.17	1.28	1.19	1.32
27	Want no more children	1.20	1.21	1.17	1.22	1.41	1.10	1.21	1.12	1.24
28	Immunized	1.20	1.14	1.11	1.16	1.34	1.05	1.16	1.06	1.19
29	Births 5-9 years	1.20	1.22	1.19	1.24	1.42	1.11	1.22	1.13	1.26
30	Weight for age	1.20	1.19	1.16	1.21	1.39	1.09	1.19	1.10	1.23
31	Children born to 40-49	1.20	1.20	1.17	1.22	1.40	1.10	1.20	1.11	1.24
32	Given ORS	1.20	1.19	1.16	1.20	1.39	1.09	1.19	1.10	1.23
33	Want to delay next birth	1.20	1.12	1.09	1.13	1.30	1.02	1.16	1.04	1.18
34	IMR 1-4 years	1.20	1.09	1.06	1.11	1.27	1.00	1.16	1.01	1.16
35	Weight for height	1.20	1.07	1.03	1.07	1.23	1.00	1.16	1.00	1.14
36	Children 1-2 years	1.20	1.16	1.13	1.18	1.35	1.06	1.16	1.08	1.20
37	IMR 5-9 years	1.20	1.14	1.11	1.16	1.33	1.04	1.16	1.06	1.19
Average over variables		1.34	1.34	1.31	1.36	1.57	1.23	1.35	1.25	**1.39**
n (women)		5,139	4,391	2,308	1,891	1,322	1,862	4,529	934	-
Number of PSUs		490	252	160	50	50	54	364	48	-
b-bar		10.5	17.4	14.4	37.8	26.4	34.5	12.4	19.5	-
Dw		1.20	1.07	1.00	1.02	1.00	1.00	1.16	1.00	-

Table B.4.2—Continued

Deft rank (total)	Variable	Deft rank (total) 41 Senegal 2	42 Jordan 2	43 Zambia 2	44 Paraguay 2	45 Peru 2	46 Sri Lanka 1	47 Peru 1	48 T&T 1	Average over 48 countries
1	Medically delivered	1.81	2.02	1.85	1.97	1.90	1.90	1.83	1.80	2.21
2	Know a modern method	1.43	1.60	1.46	1.56	1.50	1.50	1.45	1.42	1.75
3	Mother received tetanus	1.35	1.51	1.38	1.47	1.42	1.42	1.37	1.34	1.65
4	Know a method	1.39	1.56	1.42	1.52	1.46	1.46	1.41	1.38	1.70
5	Know source for method	1.41	1.58	1.44	1.54	1.48	1.48	1.43	1.40	1.72
6	Illiterate	1.42	1.59	1.45	1.55	1.49	1.49	1.43	1.41	1.74
7	Dead	1.31	1.46	1.34	1.42	1.37	1.37	1.32	1.30	1.60
8	Ever used a method	1.29	1.44	1.31	1.40	1.35	1.35	1.30	1.28	1.57
9	Ideal family size	1.27	1.42	1.30	1.38	1.33	1.33	1.28	1.26	1.55
10	Age at marriage	1.20	1.35	1.23	1.31	1.26	1.26	1.22	1.19	1.47
11	Using any method	1.12	1.25	1.15	1.22	1.18	1.17	1.13	1.11	1.37
12	Births in last 5 years	1.19	1.33	1.22	1.30	1.25	1.25	1.21	1.18	1.46
13	Married	1.14	1.28	1.17	1.24	1.20	1.20	1.16	1.14	1.40
14	Using modern method	1.08	1.21	1.10	1.17	1.13	1.13	1.09	1.07	1.32
15	Using IUD	1.05	1.17	1.07	1.14	1.10	1.10	1.06	1.04	1.28
16	Children 0-4 years	1.15	1.29	1.18	1.25	1.21	1.21	1.16	1.14	1.41
17	Using pill	1.02	1.14	1.04	1.11	1.07	1.07	1.03	1.01	1.25
18	Using condom	1.00	1.11	1.01	1.08	1.07	1.04	1.00	1.00	1.22
19	Births 1-4 years	1.12	1.26	1.15	1.22	1.18	1.18	1.14	1.12	1.37
20	Using public source	1.04	1.17	1.07	1.14	1.10	1.09	1.05	1.04	1.28
21	Sterilized	1.00	1.12	1.02	1.09	1.07	1.05	1.01	1.00	1.23
22	Children ever born	1.10	1.23	1.12	1.19	1.15	1.15	1.11	1.09	1.34
23	Had diarrhea	1.07	1.20	1.10	1.17	1.12	1.12	1.08	1.06	1.31
24	Children weighed	1.09	1.21	1.11	1.18	1.14	1.14	1.10	1.08	1.33
25	Have health card	1.00	1.06	1.00	1.04	1.07	1.02	1.00	1.00	1.17
26	Height for age	1.08	1.20	1.10	1.17	1.13	1.13	1.09	1.07	1.32
27	Want no more children	1.01	1.13	1.04	1.10	1.07	1.06	1.02	1.01	1.24
28	Immunized	1.00	1.08	1.00	1.05	1.07	1.02	1.00	1.00	1.19
29	Births 5-9 years	1.03	1.15	1.05	1.12	1.08	1.07	1.04	1.02	1.26
30	Weight for age	1.00	1.12	1.02	1.09	1.07	1.05	1.01	1.00	1.23
31	Children born to 40-49	1.01	1.13	1.03	1.10	1.07	1.06	1.02	1.00	1.24
32	Given ORS	1.00	1.12	1.02	1.09	1.07	1.05	1.01	1.00	1.23
33	Want to delay next birth	1.00	1.06	1.00	1.04	1.07	1.02	1.00	1.00	1.18
34	IMR 1-4 years	1.00	1.06	1.00	1.04	1.07	1.02	1.00	1.00	1.16
35	Weight for height	1.00	1.06	1.00	1.04	1.07	1.02	1.00	1.00	1.14
36	Children 1-2 years	1.00	1.09	1.00	1.06	1.07	1.02	1.00	1.00	1.20
37	IMR 5-9 years	1.00	1.07	1.00	1.05	1.07	1.02	1.00	1.00	1.19
Average over variables		1.14	1.27	1.16	1.23	1.20	1.19	1.15	1.13	**1.39**
n (women)		2,635	4,584	3,358	2,901	11,777	1,011	1,579	1,728	-
Number of PSUs		130	234	146	132	669	58	116	90	-
b-bar		20.3	19.6	23.0	22.0	17.6	17.4	13.6	19.2	-
Dw		1.00	1.06	1.00	1.04	1.07	1.02	1.00	1.00	-

Note: Countries and variables are ranked by averaged deft values for the total sample. For variables relating to children, defts were computed with simple random sample of children as the denominator. Bolded figures indicate defts <= 1.2 or >= 1.8 (overall mean deft = 1.5). IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. PSU is primary sampling unit. Number following country name indicates DHS-I or DHS-II survey.

Table B.4.3 Modeled design effects (deft) for the rural sample, Demographic and Health Surveys I and II

Deft rank (total)	Variable	Deft rank (total) 1 Nigeria 2	2 Indonesia 1	3 Mexico 1	4 Indonesia 2	5 Egypt 1	6 Colombia 2	7 Northeast Brazil 2	8 Thailand 1	Average over 48 countries
1	Medically delivered	3.46	3.46	2.84	3.11	2.54	2.55	2.77	2.62	2.52
2	Know a modern method	2.69	2.69	2.21	2.42	1.97	1.98	2.16	2.03	1.96
3	Mother received tetanus	2.84	2.84	2.33	2.55	2.08	2.09	2.28	2.15	2.07
4	Know a method	2.59	2.59	2.13	2.33	1.90	1.91	2.08	1.96	1.89
5	Know source for method	2.55	2.56	2.10	2.29	1.87	1.88	2.05	1.93	1.86
6	Illiterate	2.62	2.62	2.15	2.35	1.92	1.93	2.10	1.98	1.90
7	Dead	2.35	2.35	1.93	2.11	1.72	1.73	1.88	1.78	1.71
8	Ever used a method	2.39	2.39	1.96	2.14	1.75	1.76	1.91	1.80	1.74
9	Ideal family size	2.28	2.28	1.87	2.05	1.67	1.68	1.83	1.73	1.66
10	Age at marriage	1.97	1.97	1.62	1.77	1.45	1.45	1.58	1.49	1.44
11	Using any method	2.15	2.15	1.77	1.93	1.58	1.58	1.72	1.63	1.56
12	Births in last 5 years	1.88	1.88	1.55	1.69	1.38	1.39	1.51	1.42	1.37
13	Married	1.89	1.89	1.55	1.70	1.39	1.39	1.52	1.43	1.37
14	Using modern method	2.14	2.14	1.76	1.92	1.57	1.57	1.71	1.62	1.56
15	Using IUD	2.04	2.04	1.67	1.83	1.49	1.50	1.63	1.54	1.48
16	Children 0-4 years	1.87	1.87	1.53	1.67	1.37	1.37	1.50	1.41	1.36
17	Using pill	2.06	2.06	1.69	1.85	1.51	1.52	1.65	1.56	1.50
18	Using condom	2.35	2.35	1.93	2.11	1.72	1.73	1.89	1.78	1.71
19	Births 1-4 years	1.80	1.80	1.48	1.61	1.32	1.32	1.44	1.36	1.31
20	Using public source	1.94	1.94	1.59	1.74	1.42	1.43	1.55	1.46	1.41
21	Sterilized	1.98	1.98	1.63	1.78	1.45	1.46	1.59	1.50	1.44
22	Children ever born	1.77	1.77	1.45	1.59	1.30	1.30	1.42	1.34	1.29
23	Had diarrhea	1.85	1.85	1.52	1.66	1.35	1.36	1.48	1.40	1.34
24	Children weighed	1.80	1.80	1.48	1.61	1.32	1.32	1.44	1.36	1.31
25	Have health card	1.86	1.86	1.53	1.67	1.37	1.37	1.49	1.41	1.36
26	Height for age	1.80	1.80	1.48	1.62	1.32	1.33	1.44	1.36	1.31
27	Want no more children	1.79	1.79	1.47	1.61	1.31	1.32	1.44	1.35	1.30
28	Immunized	1.88	1.88	1.54	1.68	1.37	1.38	1.50	1.42	1.36
29	Births 5-9 years	1.72	1.72	1.41	1.54	1.26	1.26	1.38	1.30	1.25
30	Weight for age	1.79	1.79	1.47	1.61	1.31	1.32	1.44	1.35	1.30
31	Children born to 40-49	1.66	1.66	1.36	1.49	1.22	1.22	1.33	1.26	1.22
32	Given ORS	1.69	1.69	1.39	1.52	1.24	1.25	1.36	1.28	1.24
33	Want to delay next birth	1.72	1.72	1.41	1.54	1.26	1.26	1.38	1.30	1.25
34	IMR 1-4 years	1.68	1.68	1.38	1.51	1.23	1.24	1.35	1.27	1.23
35	Weight for height	1.64	1.64	1.34	1.47	1.20	1.21	1.33	1.24	1.20
36	Children 1-2 years	1.51	1.51	1.24	1.40	1.11	1.15	1.33	1.14	1.14
37	IMR 5-9 years	1.59	1.59	1.31	1.43	1.17	1.17	1.33	1.20	1.18
Average over variables		2.04	2.04	1.68	1.84	1.50	1.50	1.64	1.54	**1.49**
n (women)		5,251	7,453	3,321	15,858	4,501	1,649	1,908	4,352	-
Number of PSUs		164	246	94	805	116	66	130	192	-
b-bar		32.0	30.3	35.3	19.7	38.8	25.0	14.7	22.7	-
Dw		1.32	1.16	1.14	1.40	1.02	1.15	1.33	1.14	-

Table B.4.3—Continued

Deft rank (total)	Variable	Deft rank (total) 9 Morocco 1	10 Kenya 1	11 Tanzania 2	12 Nigeria (Ondo) 1	13 Niger 2	14 Dominican Republic 2	15 Liberia 1	16 Pakistan 2	Average over 48 countries
1	Medically delivered	3.17	2.79	2.54	2.65	2.69	3.02	2.92	2.48	2.52
2	Know a modern method	2.47	2.17	1.98	2.06	2.09	2.35	2.27	1.93	1.96
3	Mother received tetanus	2.61	2.30	2.09	2.17	2.21	2.48	2.40	2.04	2.07
4	Know a method	2.38	2.09	1.90	1.98	2.01	2.26	2.19	1.86	1.89
5	Know source for method	2.34	2.06	1.87	1.95	1.98	2.23	2.16	1.83	1.86
6	Illiterate	2.40	2.11	1.92	2.00	2.03	2.28	2.21	1.87	1.90
7	Dead	2.15	1.90	1.72	1.80	1.82	2.05	1.98	1.68	1.71
8	Ever used a method	2.19	1.93	1.75	1.82	1.85	2.08	2.02	1.71	1.74
9	Ideal family size	2.09	1.84	1.67	1.74	1.77	1.99	1.93	1.63	1.66
10	Age at marriage	1.81	1.59	1.45	1.51	1.53	1.72	1.67	1.41	1.44
11	Using any method	1.97	1.74	1.58	1.64	1.67	1.88	1.82	1.54	1.56
12	Births in last 5 years	1.73	1.52	1.38	1.44	1.46	1.64	1.59	1.35	1.37
13	Married	1.73	1.53	1.39	1.45	1.47	1.65	1.60	1.35	1.37
14	Using modern method	1.96	1.73	1.57	1.64	1.66	1.87	1.81	1.53	1.56
15	Using IUD	1.87	1.65	1.50	1.56	1.58	1.78	1.72	1.46	1.48
16	Children 0-4 years	1.71	1.51	1.37	1.43	1.45	1.63	1.58	1.34	1.36
17	Using pill	1.89	1.67	1.51	1.58	1.60	1.80	1.74	1.48	1.50
18	Using condom	2.16	1.90	1.73	1.80	1.83	2.05	1.99	1.69	1.71
19	Births 1-4 years	1.65	1.45	1.32	1.37	1.40	1.57	1.52	1.29	1.31
20	Using public source	1.77	1.56	1.42	1.48	1.50	1.69	1.64	1.39	1.41
21	Sterilized	1.82	1.60	1.46	1.52	1.54	1.73	1.68	1.42	1.44
22	Children ever born	1.62	1.43	1.30	1.35	1.38	1.55	1.50	1.27	1.29
23	Had diarrhea	1.69	1.49	1.36	1.41	1.43	1.61	1.56	1.32	1.34
24	Children weighed	1.65	1.45	1.32	1.37	1.40	1.57	1.52	1.29	1.31
25	Have health card	1.71	1.50	1.37	1.42	1.45	1.63	1.57	1.33	1.36
26	Height for age	1.65	1.45	1.32	1.38	1.40	1.57	1.52	1.29	1.31
27	Want no more children	1.64	1.45	1.31	1.37	1.39	1.56	1.51	1.28	1.30
28	Immunized	1.72	1.51	1.38	1.43	1.46	1.64	1.59	1.34	1.36
29	Births 5-9 years	1.57	1.38	1.26	1.31	1.33	1.50	1.45	1.23	1.25
30	Weight for age	1.64	1.45	1.31	1.37	1.39	1.56	1.51	1.28	1.30
31	Children born to 40-49	1.52	1.34	1.22	1.27	1.29	1.45	1.40	1.21	1.22
32	Given ORS	1.55	1.37	1.24	1.29	1.31	1.48	1.43	1.21	1.24
33	Want to delay next birth	1.57	1.39	1.26	1.31	1.33	1.50	1.45	1.23	1.25
34	IMR 1-4 years	1.54	1.35	1.23	1.28	1.30	1.46	1.42	1.21	1.23
35	Weight for height	1.50	1.32	1.20	1.25	1.27	1.45	1.38	1.21	1.20
36	Children 1-2 years	1.38	1.27	1.14	1.16	1.17	1.45	1.28	1.21	1.14
37	IMR 5-9 years	1.46	1.29	1.17	1.22	1.24	1.45	1.35	1.21	1.18
Average over variables		1.87	1.65	1.50	1.56	1.59	1.79	1.73	1.47	**1.49**
n (women)		3,201	5,233	7,400	2,530	3,807	2,466	3,454	3,227	-
Number of PSUs		70	344	254	52	126	156	102	176	-
b-bar		45.7	15.2	29.1	48.7	30.2	15.8	33.9	18.3	-
Dw		1.00	1.27	1.14	1.00	1.00	1.45	1.17	1.21	-

Table B.4..3—Continued

Deft rank (total)		Deft rank (total) 17	18	19	20	21	22	23	24	Average over 48 countries
		Morocco 2	Burkina Faso2	Cameroon 2	Tunisia 1	Colombia 1	Egypt 2	Ghana 1	Botswana 1	
1	Medically delivered	3.00	2.50	2.36	2.47	2.45	2.41	2.71	2.24	2.52
2	Know a modern method	2.33	1.95	1.83	1.92	1.91	1.87	2.11	1.74	1.96
3	Mother received tetanus	2.47	2.06	1.94	2.03	2.01	1.98	2.23	1.84	2.07
4	Know a method	2.25	1.87	1.77	1.85	1.84	1.80	2.03	1.68	1.89
5	Know source for method	2.22	1.85	1.74	1.83	1.81	1.78	2.00	1.65	1.86
6	Illiterate	2.27	1.89	1.78	1.87	1.85	1.82	2.05	1.70	1.90
7	Dead	2.04	1.70	1.60	1.68	1.66	1.63	1.84	1.52	1.71
8	Ever used a method	2.07	1.72	1.62	1.71	1.69	1.66	1.87	1.55	1.74
9	Ideal family size	1.98	1.65	1.55	1.63	1.62	1.59	1.79	1.48	1.66
10	Age at marriage	1.71	1.43	1.34	1.41	1.40	1.37	1.55	1.28	1.44
11	Using any method	1.87	1.56	1.47	1.54	1.52	1.50	1.69	1.39	1.56
12	Births in last 5 years	1.63	1.36	1.28	1.35	1.33	1.31	1.48	1.22	1.37
13	Married	1.64	1.37	1.29	1.35	1.34	1.31	1.48	1.22	1.37
14	Using modern method	1.86	1.55	1.46	1.53	1.51	1.49	1.68	1.39	1.56
15	Using IUD	1.77	1.47	1.39	1.46	1.44	1.42	1.60	1.32	1.48
16	Children 0-4 years	1.62	1.35	1.27	1.33	1.32	1.30	1.46	1.21	1.36
17	Using pill	1.79	1.49	1.40	1.47	1.46	1.43	1.62	1.34	1.50
18	Using condom	2.04	1.70	1.60	1.68	1.67	1.64	1.84	1.53	1.71
19	Births 1-4 years	1.56	1.30	1.22	1.29	1.27	1.25	1.41	1.16	1.31
20	Using public source	1.68	1.40	1.32	1.38	1.37	1.35	1.52	1.25	1.41
21	Sterilized	1.72	1.43	1.35	1.42	1.40	1.38	1.55	1.28	1.44
22	Children ever born	1.54	1.28	1.21	1.27	1.25	1.23	1.39	1.15	1.29
23	Had diarrhea	1.60	1.34	1.26	1.32	1.31	1.28	1.45	1.20	1.34
24	Children weighed	1.56	1.30	1.22	1.28	1.27	1.25	1.41	1.16	1.31
25	Have health card	1.62	1.35	1.27	1.33	1.32	1.30	1.46	1.21	1.36
26	Height for age	1.56	1.30	1.23	1.29	1.28	1.25	1.41	1.17	1.31
27	Want no more children	1.55	1.29	1.22	1.28	1.27	1.24	1.40	1.16	1.30
28	Immunized	1.63	1.36	1.28	1.34	1.33	1.30	1.47	1.22	1.36
29	Births 5-9 years	1.49	1.24	1.17	1.23	1.21	1.19	1.34	1.11	1.25
30	Weight for age	1.55	1.29	1.22	1.28	1.27	1.24	1.40	1.16	1.30
31	Children born to 40-49	1.44	1.20	1.13	1.19	1.18	1.15	1.30	1.08	1.22
32	Given ORS	1.47	1.22	1.15	1.21	1.20	1.18	1.33	1.10	1.24
33	Want to delay next birth	1.49	1.24	1.17	1.23	1.22	1.19	1.34	1.11	1.25
34	IMR 1-4 years	1.46	1.21	1.14	1.20	1.19	1.17	1.32	1.09	1.23
35	Weight for height	1.42	1.18	1.12	1.17	1.16	1.14	1.28	1.06	1.20
36	Children 1-2 years	1.31	1.09	1.03	1.08	1.07	1.08	1.18	1.00	1.14
37	IMR 5-9 years	1.38	1.15	1.08	1.14	1.13	1.11	1.25	1.03	1.18
Average over variables		1.77	1.48	1.39	1.46	1.45	1.42	1.60	1.32	**1.49**
n (women)		4,706	3,613	1,685	1,657	1,048	5,191	2,939	2,110	-
Number of PSUs		68	118	66	48	32	208	78	76	-
b-bar		69.2	30.6	25.5	34.5	32.8	25.0	37.7	27.8	-
Dw		1.00	1.00	1.01	1.00	1.03	1.08	1.00	1.00	-

Table B.4.3—Continued

Deft rank (total)		Deft rank (total)								Average over 48 countries
		25	26	27	28	29	30	31	32	
		Guatemala 1	Madagascar 2	El Salvador 1	Togo 1	Burundi 1	Ecuador 1	Rwanda 2	Mali 1	
1	Medically delivered	2.45	2.39	1.96	2.51	2.35	2.56	2.30	2.28	2.52
2	Know a modern method	1.91	1.86	1.53	1.96	1.83	1.99	1.79	1.77	1.96
3	Mother received tetanus	2.02	1.96	1.61	2.07	1.93	2.11	1.89	1.87	2.07
4	Know a method	1.84	1.79	1.47	1.88	1.76	1.92	1.72	1.71	1.89
5	Know source for method	1.81	1.76	1.45	1.86	1.73	1.89	1.70	1.68	1.86
6	Illiterate	1.86	1.81	1.49	1.90	1.78	1.94	1.74	1.73	1.90
7	Dead	1.67	1.62	1.33	1.71	1.59	1.74	1.56	1.55	1.71
8	Ever used a method	1.69	1.64	1.35	1.73	1.62	1.77	1.59	1.57	1.74
9	Ideal family size	1.62	1.57	1.30	1.66	1.55	1.69	1.52	1.50	1.66
10	Age at marriage	1.40	1.36	1.12	1.43	1.34	1.46	1.31	1.30	1.44
11	Using any method	1.53	1.48	1.22	1.56	1.46	1.59	1.43	1.42	1.56
12	Births in last 5 years	1.34	1.30	1.07	1.37	1.28	1.40	1.25	1.24	1.37
13	Married	1.34	1.30	1.07	1.37	1.28	1.40	1.26	1.25	1.37
14	Using modern method	1.52	1.47	1.21	1.55	1.45	1.59	1.42	1.41	1.56
15	Using IUD	1.45	1.40	1.16	1.48	1.38	1.51	1.35	1.34	1.48
16	Children 0-4 years	1.32	1.29	1.06	1.36	1.27	1.38	1.24	1.23	1.36
17	Using pill	1.46	1.42	1.17	1.50	1.40	1.53	1.37	1.36	1.50
18	Using condom	1.67	1.62	1.34	1.71	1.60	1.74	1.56	1.55	1.71
19	Births 1-4 years	1.28	1.24	1.03	1.31	1.22	1.33	1.19	1.19	1.31
20	Using public source	1.37	1.33	1.10	1.41	1.31	1.43	1.29	1.28	1.41
21	Sterilized	1.41	1.37	1.13	1.44	1.35	1.47	1.32	1.31	1.44
22	Children ever born	1.26	1.22	1.03	1.29	1.20	1.31	1.18	1.17	1.29
23	Had diarrhea	1.31	1.27	1.05	1.34	1.25	1.37	1.23	1.22	1.34
24	Children weighed	1.28	1.24	1.03	1.31	1.22	1.33	1.19	1.18	1.31
25	Have health card	1.32	1.28	1.06	1.35	1.26	1.38	1.24	1.23	1.36
26	Height for age	1.28	1.24	1.03	1.31	1.22	1.33	1.20	1.19	1.31
27	Want no more children	1.27	1.23	1.03	1.30	1.21	1.33	1.19	1.18	1.30
28	Immunized	1.33	1.29	1.07	1.36	1.27	1.39	1.25	1.24	1.36
29	Births 5-9 years	1.22	1.18	1.03	1.25	1.16	1.27	1.14	1.13	1.25
30	Weight for age	1.27	1.23	1.03	1.30	1.22	1.33	1.19	1.18	1.30
31	Children born to 40-49	1.18	1.14	1.03	1.21	1.13	1.23	1.10	1.09	1.22
32	Given ORS	1.20	1.17	1.03	1.23	1.15	1.26	1.13	1.12	1.24
33	Want to delay next birth	1.22	1.18	1.03	1.25	1.16	1.27	1.14	1.13	1.25
34	IMR 1-4 years	1.19	1.16	1.03	1.22	1.14	1.24	1.12	1.11	1.23
35	Weight for height	1.16	1.13	1.03	1.19	1.11	1.21	1.09	1.08	1.20
36	Children 1-2 years	1.07	1.04	1.03	1.10	1.03	1.12	1.00	1.05	1.14
37	IMR 5-9 years	1.13	1.10	1.03	1.16	1.08	1.18	1.06	1.05	1.18
Average over variables		1.45	1.41	1.18	1.48	1.39	1.51	1.36	1.35	**1.49**
n (women)		3,064	3,978	1,936	2,159	3,333	1,923	5,393	1,917	-
Number of PSUs		120	130	38	86	100	74	142	90	-
b-bar		25.5	30.6	50.9	25.1	33.3	26.0	38.0	21.3	-
Dw		1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.05	-

Table B.4.3—Continued

Deft rank (total)		Deft rank (total) 33	34	35	36	37	38	39	40	Average over 48
		Bolivia 1	Brazil 1	Sudan 1	Namibia 2	Zimbabwe 1	Senegal 1	Dominican Republic 1	Uganda 1	countries
1	Medically delivered	2.47	2.38	2.46	2.22	2.16	2.31	2.22	2.24	2.52
2	Know a modern method	1.92	1.85	1.91	1.73	1.68	1.80	1.73	1.75	1.96
3	Mother received tetanus	2.03	1.95	2.02	1.82	1.78	1.90	1.83	1.84	2.07
4	Know a method	1.85	1.78	1.84	1.66	1.62	1.73	1.67	1.68	1.89
5	Know source for method	1.83	1.76	1.81	1.64	1.60	1.71	1.64	1.66	1.86
6	Illiterate	1.87	1.80	1.86	1.68	1.64	1.75	1.68	1.70	1.90
7	Dead	1.68	1.61	1.67	1.51	1.47	1.57	1.51	1.52	1.71
8	Ever used a method	1.70	1.64	1.69	1.53	1.49	1.59	1.53	1.55	1.74
9	Ideal family size	1.63	1.57	1.62	1.46	1.43	1.52	1.47	1.48	1.66
10	Age at marriage	1.41	1.36	1.40	1.27	1.23	1.32	1.27	1.28	1.44
11	Using any method	1.54	1.48	1.53	1.38	1.35	1.44	1.38	1.39	1.56
12	Births in last 5 years	1.35	1.29	1.34	1.21	1.18	1.26	1.21	1.22	1.37
13	Married	1.35	1.30	1.34	1.21	1.18	1.26	1.22	1.23	1.37
14	Using modern method	1.53	1.47	1.52	1.37	1.34	1.43	1.38	1.39	1.56
15	Using IUD	1.46	1.40	1.45	1.31	1.27	1.36	1.31	1.32	1.48
16	Children 0-4 years	1.33	1.28	1.32	1.20	1.17	1.25	1.20	1.21	1.36
17	Using pill	1.47	1.42	1.46	1.32	1.29	1.38	1.33	1.34	1.50
18	Using condom	1.68	1.62	1.67	1.51	1.47	1.57	1.51	1.53	1.71
19	Births 1-4 years	1.28	1.24	1.28	1.15	1.12	1.20	1.16	1.17	1.31
20	Using public source	1.38	1.33	1.37	1.24	1.21	1.29	1.24	1.26	1.41
21	Sterilized	1.42	1.36	1.41	1.27	1.24	1.32	1.27	1.29	1.44
22	Children ever born	1.27	1.22	1.26	1.14	1.11	1.18	1.14	1.15	1.29
23	Had diarrhea	1.32	1.27	1.31	1.18	1.16	1.23	1.19	1.20	1.34
24	Children weighed	1.28	1.24	1.28	1.15	1.12	1.20	1.16	1.17	1.31
25	Have health card	1.33	1.28	1.32	1.19	1.17	1.25	1.20	1.21	1.36
26	Height for age	1.29	1.24	1.28	1.15	1.13	1.20	1.16	1.17	1.31
27	Want no more children	1.28	1.23	1.27	1.15	1.12	1.20	1.15	1.16	1.30
28	Immunized	1.34	1.29	1.33	1.20	1.17	1.25	1.21	1.22	1.36
29	Births 5-9 years	1.23	1.18	1.22	1.10	1.07	1.15	1.13	1.11	1.25
30	Weight for age	1.28	1.23	1.27	1.15	1.12	1.20	1.15	1.16	1.30
31	Children born to 40-49	1.21	1.14	1.18	1.06	1.04	1.11	1.13	1.09	1.22
32	Given ORS	1.21	1.16	1.20	1.09	1.06	1.13	1.13	1.10	1.24
33	Want to delay next birth	1.23	1.18	1.22	1.10	1.07	1.15	1.13	1.11	1.25
34	IMR 1-4 years	1.21	1.15	1.19	1.08	1.05	1.12	1.13	1.09	1.23
35	Weight for height	1.21	1.13	1.16	1.05	1.02	1.09	1.13	1.09	1.20
36	Children 1-2 years	1.21	1.04	1.07	1.03	1.00	1.01	1.13	1.09	1.14
37	IMR 5-9 years	1.21	1.09	1.13	1.03	1.00	1.06	1.13	1.09	1.18
Average over variables		1.47	1.40	1.45	1.31	1.28	1.37	1.33	1.33	**1.49**
n (women)		2,784	1,501	3,552	3,530	2,879	2,553	3,116	3,796	-
Number of PSUs		186	92	154	110	116	82	240	158	-
b-bar		15.0	16.3	23.1	32.1	24.8	31.1	13.0	24.0	-
Dw		1.21	1.03	1.00	1.03	1.00	1.00	1.13	1.09	-

Table B.4.3—Continued

Deft rank (total)		Deft rank (total)								Average over 48 countries
		41	42	43	44	45	46	47	48	
		Senegal 2	Jordan 2	Zambia 2	Paraguay 2	Peru 2	Sri Lanka 1	Peru 1	T&T 1	
1	Medically delivered	2.52	2.38	2.33	2.16	2.29	2.14	2.07	1.87	2.52
2	Know a modern method	1.96	1.85	1.81	1.68	1.79	1.67	1.61	1.45	1.96
3	Mother received tetanus	2.07	1.96	1.92	1.78	1.89	1.76	1.70	1.54	2.07
4	Know a method	1.89	1.78	1.75	1.62	1.72	1.61	1.55	1.40	1.89
5	Know source for method	1.86	1.76	1.72	1.60	1.69	1.58	1.53	1.38	1.86
6	Illiterate	1.91	1.80	1.76	1.64	1.74	1.62	1.57	1.41	1.90
7	Dead	1.71	1.62	1.58	1.47	1.56	1.46	1.41	1.27	1.71
8	Ever used a method	1.74	1.64	1.61	1.49	1.58	1.48	1.43	1.29	1.74
9	Ideal family size	1.66	1.57	1.54	1.43	1.51	1.41	1.37	1.23	1.66
10	Age at marriage	1.44	1.36	1.33	1.23	1.31	1.22	1.18	1.07	1.44
11	Using any method	1.57	1.48	1.45	1.35	1.43	1.33	1.29	1.16	1.56
12	Births in last 5 years	1.37	1.30	1.27	1.18	1.25	1.17	1.13	1.02	1.37
13	Married	1.38	1.30	1.27	1.18	1.25	1.17	1.13	1.02	1.37
14	Using modern method	1.56	1.47	1.44	1.34	1.42	1.33	1.28	1.16	1.56
15	Using IUD	1.49	1.40	1.37	1.27	1.35	1.26	1.22	1.10	1.48
16	Children 0-4 years	1.36	1.28	1.26	1.17	1.24	1.16	1.12	1.01	1.36
17	Using pill	1.50	1.42	1.39	1.29	1.37	1.28	1.23	1.11	1.50
18	Using condom	1.72	1.62	1.59	1.47	1.56	1.46	1.41	1.27	1.71
19	Births 1-4 years	1.31	1.24	1.21	1.12	1.19	1.11	1.08	1.00	1.31
20	Using public source	1.41	1.33	1.30	1.21	1.28	1.20	1.16	1.05	1.41
21	Sterilized	1.45	1.36	1.34	1.24	1.32	1.23	1.19	1.07	1.44
22	Children ever born	1.29	1.22	1.19	1.11	1.18	1.10	1.06	1.00	1.29
23	Had diarrhea	1.35	1.27	1.24	1.16	1.23	1.14	1.11	1.00	1.34
24	Children weighed	1.31	1.24	1.21	1.12	1.19	1.11	1.08	1.00	1.31
25	Have health card	1.36	1.28	1.26	1.17	1.24	1.15	1.12	1.01	1.36
26	Height for age	1.31	1.24	1.21	1.13	1.19	1.12	1.08	1.00	1.31
27	Want no more children	1.31	1.23	1.21	1.12	1.19	1.11	1.07	1.00	1.30
28	Immunized	1.37	1.29	1.26	1.17	1.24	1.16	1.12	1.01	1.36
29	Births 5-9 years	1.25	1.18	1.16	1.07	1.14	1.06	1.03	1.00	1.25
30	Weight for age	1.31	1.23	1.21	1.12	1.19	1.11	1.07	1.00	1.30
31	Children born to 40-49	1.21	1.14	1.12	1.05	1.10	1.05	1.00	1.00	1.22
32	Given ORS	1.23	1.17	1.14	1.06	1.12	1.05	1.01	1.00	1.24
33	Want to delay next birth	1.25	1.18	1.16	1.07	1.14	1.06	1.03	1.00	1.25
34	IMR 1-4 years	1.22	1.15	1.13	1.05	1.11	1.05	1.00	1.00	1.23
35	Weight for height	1.19	1.13	1.10	1.05	1.09	1.05	1.00	1.00	1.20
36	Children 1-2 years	1.10	1.12	1.04	1.05	1.05	1.05	1.00	1.00	1.14
37	IMR 5-9 years	1.16	1.12	1.07	1.05	1.06	1.05	1.00	1.00	1.18
Average over variables		1.49	1.41	1.38	1.28	1.36	1.27	1.23	1.13	**1.49**
n (women)		3,675	1,877	3,702	2,926	4,105	4,854	3,420	2,078	-
Number of PSUs		122	110	106	128	231	212	26	88	-
b-bar		30.1	17.1	34.9	22.9	17.8	22.9	131.5	23.6	-
Dw		1.00	1.12	1.04	1.05	1.05	1.05	1.00	1.00	-

Note: Countries and variables are ranked by averaged deft values for the total sample. For variables relating to children, defts were computed with simple random sample of childen as the denominator. Bolded figures indicate defts < 1.2 or >= 1.8 (overall mean deft = 1.5). IUD is intrauterine device. ORS is oral rehydration salts. IMR is infant mortality rate. PSU is primary sampling unit. Number following country name indicates DHS-I or DHS-II survey.

Table B.5.1 The effect of clustering of children of the same mother in a simple random sample of women: Sub-Saharan Africa, DHS-I

Variable	Botswana	Burundi	Ghana	Kenya	Liberia	Mali	Nigeria-(Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe	Average over countries DHS-I	DHS-II	All
TOTAL															
Proportion dead	1.17	1.18	1.23	1.21	1.21	1.20	1.09	1.18	1.37	1.11	1.13	1.11	1.21	1.30	1.25
Medically delivered	1.14	1.20	1.22	1.23	0.94	1.26	1.22	1.29	1.31	1.22	1.23	1.19	1.22	1.24	1.23
Mother received tetanus	1.10	1.17	1.22	1.11	0.91	1.29	1.19	1.29	1.18	1.18	1.23	1.14	1.18	1.19	1.19
IMR 1-4 years	0.89	1.05	1.06	1.11	1.04	1.13	1.01	1.02	1.09	1.00	1.13	1.09	1.06	1.06	1.06
Height for age	-	0.97	0.99	-	-	1.01	1.05	1.03	-	1.01	1.06	1.07	1.04	-	1.04
Weight for age	-	0.95	1.07	-	-	1.07	1.00	1.03	-	1.01	1.11	1.06	1.03	-	1.03
Given ORS	0.98	1.06	1.08	0.99	-	-	-	-	0.64	1.06	1.00	-	1.00	1.04	1.02
IMR 5-9 years	1.16	1.02	1.08	0.49	1.19	-	0.98	1.11	-	1.13	1.05	1.07	1.02	1.02	1.02
Had diarrhea	1.02	0.96	1.04	0.95	-	1.06	0.95	0.99	0.64	1.00	1.06	1.01	0.99	1.05	1.02
Have health card	1.00	1.01	1.03	1.03	1.00	1.03	1.01	1.02	1.00	1.02	0.98	1.02	1.01	1.01	1.01
Weight for height	-	1.01	1.01	-	-	1.09	1.03	1.00	-	1.07	-	-	1.01	-	1.01
Immunized	0.95	0.99	1.03	0.98	1.01	1.04	1.03	1.01	1.00	-	1.00	0.98	1.00	1.01	1.01
Average over variables	0.78	1.05	1.09	0.76	0.61	0.93	0.96	1.00	0.69	0.98	1.00	0.90	1.08	1.10	1.09
URBAN															
Proportion dead	1.07	1.15	1.18	1.32	1.22	1.12	1.03	1.17	1.18	1.19	1.17	1.21	1.20	1.24	1.21
Medically delivered	1.14	1.16	1.19	1.22	0.86	1.26	1.23	1.27	1.31	1.16	1.24	1.17	1.20	1.21	1.20
Mother received tetanus	1.14	1.12	1.18	1.14	0.89	1.24	1.19	1.25	1.18	1.13	1.15	1.17	1.16	1.16	1.16
IMR 1-4 years	1.08	1.04	1.01	1.05	1.10	1.03	1.04	1.03	1.11	1.05	1.07	0.99	1.05	1.05	1.05
Height for age	-	0.98	1.02	-	-	1.01	1.02	1.01	.	1.00	1.08	1.09	1.05	-	1.05
Weight for age	-	1.02	1.05	-	-	1.00	1.03	1.02	-	0.99	1.02	1.11	1.03	-	1.03
Given ORS	1.06	1.06	1.05	1.05	-	-	-	-	1.09	1.04	1.01	-	1.06	1.03	1.04
IMR 5-9 years	1.10	1.06	1.00	1.07	1.13	-	1.09	1.00	-	1.28	1.14	0.98	1.10	1.00	1.06
Had diarrhea	1.10	1.06	1.06	1.12	-	1.05	1.01	0.99	1.03	1.03	1.03	1.03	1.06	1.05	1.06
Have health card	0.98	1.00	1.02	1.03	1.02	1.01	1.04	1.00	1.01	1.01	1.00	1.02	1.01	1.01	1.01
Weight for height	.	1.05	1.05	-	-	0.98	1.09	0.97	-	1.02	-	-	1.01	-	1.01
Immunized	0.97	1.04	1.04	1.04	1.01	1.00	1.02	1.00	1.01	.	1.00	0.99	1.01	1.01	1.01
Average over variables	0.80	1.06	1.07	0.84	0.60	0.89	0.98	0.98	0.74	0.99	0.99	0.90	1.09	1.09	1.09
RURAL															
Proportion dead	1.18	1.15	1.17	1.35	1.36	1.27	0.98	1.23	1.19	1.20	1.07	1.12	1.22	1.23	1.22
Medically delivered	1.15	1.22	1.19	1.25	0.96	1.15	1.23	1.28	1.33	1.21	1.24	1.17	1.21	1.25	1.23
Mother received tetanus	1.15	1.19	1.21	1.13	0.92	1.27	1.23	1.29	1.20	1.18	1.21	1.16	1.20	1.21	1.20
IMR 1-4 years	1.01	1.03	1.00	1.02	1.16	1.13	1.08	1.05	1.12	1.02	1.06	1.02	1.07	1.08	1.07
Height for age	-	1.02	1.00	-	-	1.02	1.01	1.03	-	1.02	1.03	1.08	1.03	.	1.03
Weight for age	-	1.01	1.02	-	-	1.04	1.03	1.04	-	1.03	1.04	1.02	1.03	.	1.03
Given ORS	0.99	1.05	1.06	1.04	-	-	0.98	.	-	1.08	1.03	-	1.06	1.06	1.06
IMR 5-9 years	1.20	1.20	1.11	-	1.11	-	1.04	1.16	-	1.04	1.16	1.07	1.11	1.03	1.07
Had diarrhea	1.06	1.07	1.01	1.08	-	1.01	1.01	1.00	-	1.03	0.98	0.99	1.05	1.05	1.05
Have health card	0.98	0.99	1.04	1.01	1.01	1.02	1.01	1.00	1.02	1.02	1.01	1.01	1.01	1.02	1.01
Weight for height	-	1.00	1.02	-	-	1.05	1.04	1.00	-	1.02	.	-	1.02	-	1.02
Immunized	0.98	1.00	1.05	1.00	1.02	-	1.02	1.01	1.02	-	1.01	1.00	1.01	1.01	1.01
Average over variables	0.81	1.08	1.07	0.74	0.63	0.83	1.05	1.01	0.57	0.99	0.99	0.89	1.10	1.10	1.10

Note: Ratio of (a) deft with variance of a SRS of children as the denominator to (b) deft with variance of a SRS of women as the denominator.
Variables are ordered by ratio (a)/(b) averaged over countries.

Table B.5.2 The effect of clustering of children of the same mother in a simple random sample of women: Sub-Saharan Africa, DHS-II

Variable	Burkina Faso	Cameroon	Madagascar	Namibia	Niger	Nigeria	Rwanda	Senegal	Tanzania	Zambia	Average over countries DHS-I	Average over countries DHS-II	Average over countries All
TOTAL													
Proportion dead	1.10	1.31	1.14	1.37	1.23	1.29	1.22	1.27	1.33	1.28	1.21	1.30	1.25
Medically delivered	1.22	1.24	1.24	1.13	1.33	1.28	1.13	1.29	1.24	1.21	1.22	1.24	1.23
Mother received tetanus	1.18	1.19	1.17	1.13	1.27	1.29	1.15	1.26	1.17	1.18	1.18	1.19	1.19
IMR 1-4 years	1.02	0.98	0.97	1.13	1.03	1.05	1.18	1.06	1.02	1.09	1.06	1.06	1.06
Height for age	-	-	-	-	-	*	-	-	-	*	1.04	-	1.04
Weight for age	-	-	-	-	-	*	-	-	-	*	1.03	-	1.03
Given ORS	0.98	0.99	0.97	1.13	0.99	1.05	1.00	1.03	1.04	1.02	1.00	1.04	1.02
IMR 5-9 years	1.01	0.97	0.93	1.12	0.98	0.95	1.04	1.01	1.10	1.02	1.02	1.02	1.02
Had diarrhea	0.93	1.06	0.91	1.04	1.05	0.98	0.99	1.04	1.03	1.06	0.99	1.05	1.02
Have health card	0.97	0.99	0.96	1.03	1.00	1.00	0.98	1.02	1.01	1.04	1.01	1.01	1.01
Weight for height	-	-	-	-	-	-	*	-	-	-	1.01	-	1.01
Immunized	0.99	1.00	0.99	1.03	1.03	1.02	0.98	0.99	1.01	1.04	1.00	1.01	1.01
Average over variables	0.78	0.81	0.77	0.84	0.83	0.83	0.80	0.83	0.83	0.83	1.08	1.10	1.09
URBAN													
Proportion dead	1.23	1.33	1.20	1.30	1.28	1.33	1.22	1.09	1.13	1.32	1.20	1.24	1.21
Medically delivered	1.17	1.26	1.25	1.15	1.21	1.29	1.17	1.22	1.06	1.20	1.20	1.21	1.20
Mother received tetanus	1.09	1.24	1.13	1.13	1.15	1.22	1.05	1.15	1.06	1.12	1.16	1.16	1.16
IMR 1-4 years	0.99	1.00	1.09	1.06	1.07	1.07	1.06	1.00	0.98	1.04	1.05	1.05	1.05
Height for age	-	-	-	-	-	-	-	-	*	-	1.05	-	1.05
Weight for age	-	-	-	-	-	-	-	-	-	-	1.03	-	1.03
Given ORS	1.01	0.95	1.00	1.11	1.02	0.98	1.02	1.00	0.99	1.07	1.06	1.03	1.04
IMR 5-9 years	1.01	-	0.98	1.00	0.97	0.97	1.00	0.99	1.01	1.01	1.10	1.00	1.06
Had diarrhea	1.01	1.05	1.07	1.08	1.04	1.01	1.04	1.03	1.01	0.98	1.06	1.05	1.06
Have health card	1.00	1.00	0.99	1.02	0.98	1.02	1.02	1.02	0.98	1.02	1.01	1.01	1.01
Weight for height	-	-	*	-	-	-	-	-	-	-	1.01	-	1.01
Immunized	1.00	1.01	1.01	1.04	1.00	1.02	1.00	1.03	0.97	1.02	1.01	1.01	1.01
Average over variables	0.79	0.74	0.81	0.82	0.81	0.83	0.80	0.79	0.77	0.81	1.09	1.09	1.09
RURAL													
Proportion dead	1.18	1.27	1.23	1.15	1.25	1.37	1.19	1.10	1.22	1.12	1.22	1.23	1.22
Medically delivered	1.24	1.27	1.30	1.17	1.20	1.31	1.11	1.25	1.23	1.18	1.21	1.25	1.23
Mother received tetanus	1.20	1.25	1.20	1.21	1.22	1.30	1.12	1.20	1.23	1.17	1.20	1.21	1.20
IMR 1-4 years	1.12	1.01	1.08	1.05	1.07	1.08	1.15	1.13	0.98	1.07	1.07	1.08	1.07
Height for age	-	-	-	-	*	-	-	-	-	-	1.03	-	1.03
Weight for age	-	-	-	-	-	-	-	-	-	-	1.03	-	1.03
Given ORS	1.00	1.05	1.04	1.12	1.04	1.06	1.03	1.10	1.03	1.04	1.06	1.06	1.06
IMR 5-9 years	1.01	0.99	0.99	1.09	1.00	1.02	1.01	1.06	1.09	1.00	1.11	1.03	1.07
Had diarrhea	0.97	1.07	0.97	1.09	1.08	1.03	0.96	1.07	1.08	1.06	1.05	1.05	1.05
Have health card	1.01	1.04	1.00	0.99	1.04	0.99	1.03	1.00	1.00	1.03	1.01	1.02	1.01
Weight for height	-	-	-	-	-	-	-	*	-	-	1.02	-	1.02
Immunized	1.02	1.05	1.00	1.00	1.00	1.03	1.02	1.01	0.99	1.00	1.01	1.01	1.01
Average over variables	0.81	0.83	0.82	0.82	0.82	0.85	0.80	0.83	0.82	0.81	1.10	1.10	1.10

Note: Ratio of (a) deft with variance of a SRS of children as the denominator to (b) deft with variance of a SRS of women as the denominator.
Variables are ordered by ratio (a)/(b) averaged over countries.

Table B.5.3 The effect of clustering of children of the same mother in a simple random sample of women: Asia/Near East/North Africa, DHS-I

Variable	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Average over countries DHS-I	DHS-II	All
TOTAL									
Proportion dead	1.17	1.22	1.40	0.98	1.17	1.21	1.21	1.30	1.25
Medically delivered	1.28	1.24	1.19	1.18	1.17	1.28	1.22	1.24	1.23
Mother received tetanus	1.29	-	-	1.13	1.18	1.20	1.18	1.19	1.19
IMR 1-4 years	1.10	1.13	1.03	0.94	0.84	1.17	1.06	1.06	1.06
Height for age	1.02	-	1.10	1.06	1.05	1.09	1.04	-	1.04
Weight for age	0.99	-	1.05	0.99	1.03	1.11	1.03	-	1.03
Given ORS	-	-	0.68	0.93	1.00	-	1.00	1.04	1.02
IMR 5-9 years	0.74	1.01	0.73	0.92	0.94	0.79	1.02	1.02	1.02
Had diarrhea	-	-	0.64	0.94	1.09	0.79	0.99	1.05	1.02
Have health card	0.98	-	1.00	1.02	1.00	1.02	1.01	1.01	1.01
Weight for height	-	-	0.84	0.96	1.04	1.03	1.01	-	1.01
Immunized	1.03	-	1.01	1.03	1.06	1.00	1.00	1.01	1.01
Average over variables	0.80	0.38	0.89	1.00	1.05	0.98	1.08	1.10	1.09
URBAN									
Proportion dead	1.23	1.34	1.33	1.14	1.03	1.27	1.20	1.24	1.21
Medically delivered	1.24	1.21	1.23	1.13	1.09	1.28	1.20	1.21	1.20
Mother received tetanus	1.17	-	-	1.06	1.13	1.21	1.16	1.16	1.16
IMR 1-4 years	1.10	0.93	1.00	-	-	1.15	1.05	1.05	1.05
Height for age	1.03	-	1.12	1.09	1.05	1.07	1.05	-	1.05
Weight for age	0.96	-	1.06	1.07	1.03	1.07	1.03	-	1.03
Given ORS	-	-	1.08	-	1.05	-	1.06	1.03	1.04
IMR 5-9 years	1.18	1.18	1.08	1.09	1.11	1.09	1.10	1.00	1.06
Had diarrhea	-	-	1.05	1.03	1.07	1.07	1.06	1.05	1.06
Have health card	1.01	-	1.01	1.00	1.02	1.02	1.01	1.01	1.01
Weight for height	-	-	-	1.08	0.96	0.93	1.01	-	1.01
Immunized	1.02	-	1.01	1.00	1.01	1.01	1.01	1.01	1.01
Average over variables	0.83	0.39	0.92	0.89	0.96	1.01	1.09	1.09	1.09
RURAL									
Proportion dead	1.32	1.32	1.28	1.33	1.06	1.31	1.22	1.23	1.22
Medically delivered	1.21	1.21	1.14	1.13	1.17	1.30	1.21	1.25	1.23
Mother received tetanus	1.27	-	-	1.04	1.19	1.25	1.20	1.21	1.20
IMR 1-4 years	1.15	1.07	1.15	1.21	1.06	1.20	1.07	1.08	1.07
Height for age	1.00	-	1.07	1.04	0.99	1.04	1.03	-	1.03
Weight for age	1.04	-	1.12	1.00	1.01	1.10	1.03	-	1.03
Given ORS	-	-	-	1.03	1.07	-	1.06	1.06	1.06
IMR 5-9 years	-	1.14	-	1.17	1.04	-	1.11	1.03	1.07
Had diarrhea	-	-	-	1.12	1.02	-	1.05	1.05	1.05
Have health card	1.03	-	1.02	0.99	1.01	0.98	1.01	1.02	1.01
Weight for height	-	-	1.05	0.99	1.00	1.05	1.02	-	1.02
Immunized	1.02	-	1.01	1.02	1.00	1.00	1.01	1.01	1.01
Average over variables	0.75	0.39	0.74	1.09	1.05	0.85	1.10	1.10	1.10

Note: Ratio of (a) deft with variance of a SRS of children as the denominator to (b) deft with variance of a SRS of women as the denominator.
Variables are ordered by ratio (a)/(b) averaged over countries.

Table B.5.4 The effect of clustering of children of the same mother in a simple random sample of women: Asia/Near East/North Africa, DHS-II

Variable	Egypt	Indonesia	Jordan	Morocco	Pakistan	Average over countries DHS-I	Average over countries DHS-II	Average over countries All
TOTAL								
Proportion dead	1.24	1.37	1.38	1.10	1.53	1.21	1.30	1.25
Medically delivered	1.20	1.17	1.44	1.20	-	1.22	1.24	1.23
Mother received tetanus	1.18	1.26	1.17	0.86	1.24	1.18	1.19	1.19
IMR 1-4 years	0.93	1.18	1.20	0.99	1.12	1.06	1.06	1.06
Height for age	-	-	-	-	-	1.04	-	1.04
Weight for age	-	-	-	-	-	1.03	-	1.03
Given ORS	1.04	1.03	1.07	1.07	1.00	1.00	1.04	1.02
IMR 5-9 years	1.06	0.98		0.99	-	1.02	1.02	1.02
Had diarrhea	0.99	1.03	1.24	1.07	1.02	0.99	1.05	1.02
Have health card	1.03	1.04	1.05	1.02	1.01	1.01	1.01	1.01
Weight for height	-	-	-	-	-	1.01	-	1.01
Immunized	1.01	1.07	1.00	1.00	0.97	1.00	1.01	1.01
Average over variables	0.81	0.84	0.87	0.78	0.66	1.08	1.10	1.09
URBAN								
Proportion Dead	1.21	1.31	1.22	1.24	1.25	1.20	1.24	1.21
Medically delivered	1.22	-	1.41	1.20	-	1.20	1.21	1.20
Mother received tetanus	1.19	1.16	1.13	0.90	1.31	1.16	1.16	1.16
IMR 1-4 years	1.07	1.15	1.09	1.14	1.08	1.05	1.05	1.05
Height for age	-	-	-	-	-	1.05	-	1.05
Weight for age	-	-	-	-	-	1.03	-	1.03
Given ORS	1.06	0.89	1.10	1.05	1.02	1.06	1.03	1.04
IMR 5-9 years	0.93	0.99	-	1.03	-	1.10	1.00	1.06
Had diarrhea	1.10	1.04	1.07	1.09	1.10	1.06	1.05	1.06
Have health card	0.99	0.99	1.04	1.01	1.01	1.01	1.01	1.01
Weight for height	-	-	-	-	-	1.01	-	1.01
Immunized	0.96	1.01	1.05	1.02	0.97	1.01	1.01	1.01
Average over variables	0.81	0.71	0.76	0.81	0.65	1.09	1.09	1.09
RURAL								
Proportion Dead	1.20	1.14	1.34	1.33	1.20	1.22	1.23	1.22
Medically delivered	1.24	1.47	1.39	1.18	-	1.21	1.25	1.23
Mother received tetanus	1.21	1.23	1.20	0.81	1.26	1.20	1.21	1.20
IMR 1-4 years	0.94	1.18	0.97	1.15	1.11	1.07	1.08	1.07
Height for age	-	-	-	-	-	1.03	-	1.03
Weight for age	-	-	-	-	-	1.03	-	1.03
Given ORS	1.04	1.03	1.11	1.03	1.00	1.06	1.06	1.06
IMR 5-9 years	1.03	1.07		1.02	-	1.11	1.03	1.07
Had diarrhea	1.02	1.12	1.12	1.06	1.02	1.05	1.05	1.05
Have health card	0.99	1.07	1.04	1.00	0.98	1.01	1.02	1.01
Weight for height	-	-	-	-	-	1.02	-	1.02
Immunized	1.02	1.07	1.02	1.01	1.00	1.01	1.01	1.01
Average over variables	0.81	0.87	0.77	0.80	0.63	1.10	1.10	1.10

Note: Ratio of (a) deft with variance of a SRS of children as the denominator to (b) deft with variance of a SRS of women as the denominator. Variables are ordered by ratio (a)/(b) averaged over countries.

Table B.5.5 The effect of clustering of children of the same mother in a simple random sample of women: Latin America/Caribbean, DHS-I

Variable	Bolivia	Northeast Brazil	Colombia	Dominican Republic	Ecuador	El Salvador	Guatemala	Mexico	Peru	Trinidad & Tobago	Average over countries DHS-I	DHS-II	All
TOTAL													
Proportion dead	1.35	1.39	1.29	1.19	1.28	0.99	1.21	1.28	1.24	1.26	1.21	1.30	1.25
Medically delivered	1.29	-	1.27	1.20	1.27	1.28	1.29	1.27	1.34	0.93	1.22	1.24	1.23
Mother received tetanus	1.11	1.19	1.21	1.21	1.22	1.20	1.25	-	1.22	1.18	1.18	1.19	1.19
IMR 1-4 years	1.10	1.15	1.04	1.07	1.14	1.10	1.15	0.95	1.10	1.14	1.06	1.06	1.06
Height for age	0.97	1.12	1.03	1.05	-	-	1.04	-	-	0.98	1.04	-	1.04
Weight for age	0.99	1.14	1.02	1.04	-	-	1.00	-	-	0.99	1.03	-	1.03
Given ORS	1.07	1.09	1.12	1.10	-	1.12	1.00	0.95	1.09	1.13	1.00	1.04	1.02
IMR 5-9 years	1.07	1.15	1.13	1.09	1.11	0.92	1.19	1.03	1.13	1.24	1.02	1.02	1.02
Had diarrhea	1.08	1.03	1.03	1.03	-	1.09	1.04	1.08	1.09	1.18	0.99	1.05	1.02
Have health card	0.97	1.02	1.02	1.02	-	1.01	0.99	-	1.01	1.02	1.01	1.01	1.01
Weight for height	-	-	-	-	-	-	-	-	-	1.05	1.01	-	1.01
Immunized	1.00	1.00	1.01	0.80	-	1.00	1.02	-	1.00	-	1.00	1.01	1.01
Average over variables	1.00	0.94	1.01	0.98	0.50	0.81	1.02	0.55	0.85	1.01	1.08	1.10	1.09
URBAN													
Proportion dead	1.24	1.43	1.17	1.25	1.35	1.09	1.13	1.09	1.12	1.30	1.20	1.24	1.21
Medically delivered	1.25	-	1.29	1.12	1.25	1.31	1.31	1.17	1.23	1.01	1.20	1.21	1.20
Mother received tetanus	1.20	1.17	1.18	1.18	1.18	1.20	1.19	-	1.09	1.24	1.16	1.16	1.16
IMR 1-4 years	0.99	1.09	1.11	1.05	1.07	1.05	1.04	0.93	1.04	1.07	1.05	1.05	1.05
Height for age	1.01	1.13	1.07	1.05	-	-	1.03	-	-	1.00	1.05	-	1.05
Weight for age	1.01	1.15	1.00	1.02	-	-	1.02	-	-	0.98	1.03	-	1.03
Given ORS	1.08	1.06	1.11	1.08	-	1.07	1.01	1.01	0.99	1.11	1.06	1.03	1.04
IMR 5-9 years	1.11	1.10	1.03	1.09	1.05	0.99	1.09	1.16	1.03	1.29	1.10	1.00	1.06
Had diarrhea	1.09	1.02	1.07	1.10	-	1.02	1.06	1.02	1.08	1.16	1.06	1.05	1.06
Have health card	1.01	1.03	1.03	0.99	-	1.01	1.01	-	1.00	1.00	1.01	1.01	1.01
Weight for height	-	-	-	-	-	-	-	-	-	1.04	1.01	-	1.01
Immunized	1.00	1.00	1.01	1.00	-	1.03	1.02	-	1.00	-	1.01	1.01	1.01
Average over variables	1.00	0.93	1.01	1.00	0.49	0.81	0.99	0.53	0.80	1.02	1.09	1.09	1.09
RURAL													
Proportion dead	1.15	1.32	1.16	1.33	1.29	1.12	1.22	1.19	1.29	1.28	1.22	1.23	1.22
Medically delivered	1.27	-	1.21	1.25	1.26	1.27	1.28	1.30	1.31	1.01	1.21	1.25	1.23
Mother received tetanus	1.18	1.24	1.18	1.30	1.29	1.29	1.19	-	1.24	1.20	1.20	1.21	1.20
IMR 1-4 years	1.06	1.02	1.11	1.19	1.05	1.10	0.94	1.04	1.05	0.98	1.07	1.08	1.07
Height for age	0.98	1.15	1.03	1.03	-	-	1.00	-	-	1.07	1.03	-	1.03
Weight for age	1.00	1.14	1.02	0.97	-	-	1.00	-	-	1.04	1.03	-	1.03
Given ORS	1.07	1.12	1.08	1.14	-	1.14	1.01	0.99	1.05	1.13	1.06	1.06	1.06
IMR 5-9 years	1.04	1.19	1.00	1.15	1.07	1.07	1.10	1.13	1.11	1.06	1.11	1.03	1.07
Had diarrhea	1.05	1.08	1.07	1.03	-	1.07	1.02	1.12	1.10	1.05	1.05	1.05	1.05
Have health card	1.02	1.01	1.01	1.01	-	1.05	1.00	-	1.01	0.99	1.01	1.02	1.01
Weight for height	-	-	-	-	-	-	-	-	-	0.99	1.02	-	1.02
Immunized	1.00	1.01	1.00	-	-	1.01	1.00	-	0.98	-	1.01	1.01	1.01
Average over variables	0.98	0.94	0.99	0.95	0.50	0.84	0.98	0.56	0.85	0.98	1.10	1.10	1.10

Note: Ratio of (a) deft with variance of a SRS of children as the denominator to (b) deft with variance of a SRS of women as the denominator.
Variables are ordered by ratio (a)/(b) averaged over countries.

Table B.5.6 The effect of clustering of children of the same mother in a simple random sample of women: Latin America/Caribbean, DHS-II

Variable	Northeast Brazil	Colombia	Dominican Republic	Peru	Paraguay	Average over countries DHS-I	DHS-II	All
TOTAL								
Proportion dead	1.40	1.26	1.40	1.58	1.27	1.21	1.30	1.25
Medically delivered	1.29	1.16	1.20	1.28	1.29	1.22	1.24	1.23
Mother received tetanus	1.16	1.16	1.30	1.21	1.3	1.18	1.19	1.19
IMR 1-4 years	1.01	-	1.07	1.21	0.93	1.06	1.06	1.06
Height for age	-	-	-	-	-	1.04	-	1.04
Weight for age	-	-	-	-	-	1.03	-	1.03
Given ORS	1.00	1.03	1.11	1.16	1.11	1.00	1.04	1.02
IMR 5-9 years	1.00	-	1.01	1.13	0.99	1.02	1.02	1.02
Had diarrhea	1.04	1.06	1.11	1.16	1.12	0.99	1.05	1.02
Have health card	-	1.01	1.03	1.02	1.03	1.01	1.01	1.01
Weight for height	-	-	-	-	-	1.01	-	1.01
Immunized	1.01	1.02	1.01	1.04	1.02	1.00	1.01	1.01
Average over variables	0.74	0.64	0.85	0.90	1.12	1.08	1.10	1.09
URBAN								
Proportion dead	1.30	1.34	1.22	1.05	1.15	1.20	1.24	1.21
Medically delivered	1.10	1.13	-	1.34	1.26	1.20	1.21	1.20
Mother received tetanus	1.15	1.16	1.32	1.16	1.29	1.16	1.16	1.16
IMR 1-4 years	1.02	-	0.99	1.07	0.93	1.05	1.05	1.05
Height for age	-	-	-	-	-	1.05	-	1.05
Weight for age	-	-	-	-	-	1.03	-	1.03
Given ORS	1.01	1.01	1.11	1.12	1.01	1.06	1.03	1.04
IMR 5-9 years	0.98	-	1.08	1.01	-	1.10	1.00	1.06
Had diarrhea	1.02	1.08	1.03	1.15	1.11	1.06	1.05	1.06
Have health card	-	1.06	1.03	1.05	1.00	1.01	1.01	1.01
Weight for height	-	-	-	-	-	1.01	-	1.01
Immunized	1.02	1.03	1.02	1.04	1.02	1.01	1.01	1.01
Average over variables	0.72	0.65	0.73	0.83	1.09	1.09	1.09	1.09
RURAL								
Proportion dead	1.32	1.23	1.25	1.19	1.22	1.22	1.23	1.22
Medically delivered	1.26	1.20	1.25	1.23	1.26	1.21	1.25	1.23
Mother received tetanus	1.18	1.29	1.29	1.24	1.36	1.20	1.21	1.20
IMR 1-4 years	1.11	-	1.15	1.07	1.04	1.07	1.08	1.07
Height for age	-	-	-	-	-	1.03	-	1.03
Weight for age	-	-	-	-	-	1.03	-	1.03
Given ORS	1.01	1.18	1.07	1.12	1.19	1.06	1.06	1.06
IMR 5-9 years	1.05	-	1.01	1.05	0.99	1.11	1.03	1.07
Had diarrhea	1.01	1.03	1.11	1.06	1.05	1.05	1.05	1.05
Have health card	-	1.04	1.04	1.02	1.01	1.01	1.02	1.01
Weight for height	-	-	-	-	-	1.02	-	1.02
Immunized	1.01	1.01	1.00	1.00	1.01	1.01	1.01	1.01
Average over variables	0.75	0.66	0.85	0.83	1.12	1.10	1.10	1.10

Note: Ratio of (a) deft with variance of a SRS of children as the denominator to (b) deft with variance of a SRS of women as the denominator.
Variables are ordered by ratio (a)/(b) averaged over countries.

Table B.6.1 Defts for age-specific fertility rates (for the five-year period preceding survey) for total sample, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Age group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Average over age groups
1	Nigeria 2	1.81	1.64	1.51	1.61	1.64	1.38	1.43	1.57
2	Indonesia 1	1.45	1.54	1.53	1.48	1.37	1.35	1.23	1.42
3	Mexico 1	1.85	1.73	1.90	1.55	1.56	1.55	1.12	1.61
4	Indonesia 2	1.57	1.72	1.48	1.60	1.40	1.26	1.31	1.48
5	Egypt 1	1.02	1.21	1.22	1.27	1.24	1.15	1.03	1.16
6	Colombia 2	1.49	1.80	1.28	1.31	1.42	1.79	1.06	1.45
7	Northeast Brazil 2	1.39	1.66	1.39	2.10	1.75	1.37	1.53	1.60
8	Thailand 1	1.24	1.24	1.46	1.19	1.47	1.23	1.12	1.28
9	Morocco 1	1.00	1.17	1.31	1.39	1.47	1.20	1.00	1.22
10	Kenya 1	1.47	1.49	1.17	1.36	1.38	1.32	1.11	1.33
11	Tanzania 2	1.68	1.42	1.33	1.21	1.24	1.26	1.10	1.32
12	Nigeria 1 (Ondo)	1.52	1.20	1.32	1.06	1.03	1.11	1.26	1.21
13	Niger 2	1.39	1.15	1.32	1.32	1.40	1.19	1.04	1.26
14	Dominican Republic 2	1.58	1.33	1.47	1.36	1.41	1.07	1.72	1.42
15	Liberia 1	1.40	1.24	1.23	1.08	1.17	1.14	1.15	1.20
16	Pakistan 2	1.31	1.59	1.66	1.27	1.36	1.41	1.37	1.42
17	Morocco 2	1.31	1.65	1.59	1.55	1.37	1.24	1.29	1.43
18	Burkina Faso 2	1.50	1.27	1.21	1.22	1.32	1.16	1.10	1.25
19	Cameroon 2	1.57	1.05	1.23	1.16	1.19	0.97	1.07	1.18
20	Tunisia 1	0.95	1.02	1.23	1.45	1.31	1.31	1.04	1.19
21	Colombia 1	1.48	1.54	1.32	1.23	1.27	1.09	0.97	1.27
22	Egypt 2	1.05	1.20	1.26	1.37	1.23	1.23	1.08	1.20
23	Ghana 1	1.20	1.19	1.12	1.07	1.24	1.09	0.97	1.13
24	Botswana 1	1.09	1.20	1.23	1.20	1.23	1.27	1.01	1.18
25	Guatemala 1	1.26	1.30	1.20	1.24	1.14	1.04	-	1.20
26	Madagascar 2	1.42	1.41	1.22	1.23	1.17	1.14	1.06	1.23
27	El Salvador 1	1.32	1.22	1.12	1.43	1.42	1.05	1.04	1.23
28	Togo 1	1.42	1.33	1.21	1.25	1.19	1.20	1.15	1.25
29	Burundi 1	1.26	1.16	1.14	1.00	1.13	1.21	1.10	1.14
30	Ecuador 1	1.29	1.37	1.14	1.04	1.19	1.12	1.01	1.17
31	Rwanda 2	1.35	1.40	1.11	1.28	1.18	1.08	1.10	1.21
32	Mali 1	1.23	1.21	1.18	1.35	1.08	1.23	1.19	1.21
33	Bolivia 1	1.43	1.40	1.33	1.31	1.33	1.38	1.61	1.40
34	Brazil 1	1.21	1.31	1.21	1.24	1.16	1.11	-	1.21
35	Sudan 1	1.02	1.16	1.05	1.07	1.09	1.11	1.07	1.08
36	Namibia 2	1.48	1.24	1.21	1.28	1.34	1.20	1.02	1.25
37	Zimbabwe 1	1.16	1.29	1.11	1.19	1.06	1.00	1.06	1.13
38	Senegal 1	1.50	1.33	1.09	1.09	1.02	1.13	1.00	1.17
39	Dominican Republic 1	1.35	1.47	1.22	1.14	1.23	1.16	1.04	1.23
40	Uganda 1	1.38	1.06	1.02	1.20	1.23	1.26	1.12	1.18
41	Senegal 2	1.47	1.26	1.20	0.96	1.13	1.06	1.10	1.17
42	Jordan 2	1.23	1.21	1.16	1.20	1.26	1.13	1.05	1.18
43	Zambia 2	1.35	1.23	1.09	1.18	1.09	1.08	1.22	1.18
44	Paraguay 2	1.24	1.18	1.18	1.27	1.13	1.14	0.99	1.16
45	Peru 2	1.35	1.50	1.27	1.24	1.21	1.10	1.11	1.25
46	Sri Lanka 1	1.05	1.07	1.07	1.16	1.14	1.06	1.08	1.09
47	Peru 1	1.32	1.56	1.45	1.32	1.36	1.06	0.81	1.27
48	Trinidad and Tobago 1	1.14	1.20	1.12	0.94	0.97	0.99	1.00	1.05
Average over countries		1.34	1.34	1.27	1.27	1.26	1.19	1.13	1.26
cv (of country defts)		0.15	0.14	0.14	0.15	0.13	0.13	0.15	0.10

Note: Number following country name indicates DHS-I or DHS-II survey.

ANOVA ln (deft)

Source	Sum of squares	Percent sum of squares	Degrees of freedom	Mean squares	F-statistic
Country	3.24	45.5	47	0.07	7.02
Age group	1.11	15.5	6	0.18	18.77
Error	2.77	38.9	282	0.01	-
Total	7.12	1.00	335	-	-

Table B.6.2 Deft ratios: Effect of clustering of children of the same mother (birth correlation factors), Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Age group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Average over age groups
1	Nigeria 2	1.04	0.89	0.92	0.95	1.00	1.10	1.14	1.00
2	Indonesia 1	0.99	0.83	0.98	1.01	0.99	1.10	0.96	0.98
3	Mexico 1	1.10	1.01	0.98	1.08	1.15	1.01	0.90	1.04
4	Indonesia 2	0.80	0.77	0.89	1.12	1.07	1.21	1.25	1.00
5	Egypt 1	1.19	0.82	0.90	0.91	1.04	1.24	1.29	1.04
6	Colombia 2	0.97	1.12	0.93	1.12	1.12	1.03	1.29	1.07
7	NE Brazil 2	1.21	1.11	0.97	1.11	1.12	1.16	1.10	1.11
8	Thailand 1	1.07	0.92	0.93	1.05	1.11	1.10	0.94	1.02
9	Morocco 1	0.96	0.83	0.94	0.92	1.07	1.08	1.02	0.98
10	Kenya 1	0.99	0.95	0.88	1.01	1.04	1.03	0.99	0.98
11	Tanzania 2	0.88	0.87	0.85	0.84	0.99	1.08	1.08	0.93
12	Nigeria 1 (Ondo)	1.05	0.92	0.81	0.82	0.87	1.05	1.00	0.94
13	Niger 2	1.00	0.90	0.97	1.00	1.02	0.98	1.05	0.99
14	Dominican Republic 2	1.17	1.08	0.94	1.07	1.08	1.30	0.99	1.08
15	Liberia 1	0.97	0.87	0.97	1.12	1.12	1.18	1.06	1.04
16	Pakistan 2	1.14	0.89	0.93	1.03	1.03	1.06	1.12	1.02
17	Morocco 2	1.08	1.08	1.06	1.05	1.00	1.00	1.18	1.06
18	Burkina Faso 2	0.92	0.79	0.79	0.83	0.91	1.02	0.96	0.89
19	Cameroon 2	1.02	0.88	0.91	1.01	0.98	0.98	0.94	0.96
20	Tunisia 1	1.59	0.88	0.98	1.03	1.04	1.13	1.14	1.10
21	Colombia 1	1.14	1.07	1.03	0.99	1.03	1.20	1.00	1.07
22	Egypt 2	0.90	0.87	0.97	0.93	0.96	0.94	1.23	0.97
23	Ghana 1	1.00	0.90	0.87	0.93	0.95	1.05	1.00	0.96
24	Botswana 1	0.98	0.97	0.87	0.88	0.98	0.97	0.95	0.94
25	Guatemala 1	1.01	0.98	0.99	0.97	1.09	1.02	-	1.09
26	Madagascar 2	0.97	0.96	0.91	0.99	1.03	0.99	1.04	0.98
27	El Salvador 1	1.01	0.92	0.96	1.10	1.19	1.07	1.36	1.08
28	Togo 1	1.01	0.87	0.87	0.94	0.90	1.03	1.03	0.95
29	Burundi 1	0.90	0.86	0.79	0.78	0.89	0.99	1.01	0.89
30	Ecuador 1	1.13	1.07	1.05	1.03	1.05	1.09	1.15	1.08
31	Rwanda 2	1.03	0.90	0.86	0.81	0.93	0.94	1.01	0.93
32	Mali 1	0.98	0.89	0.91	0.97	1.00	1.11	0.94	0.97
33	Bolivia 1	1.04	0.97	0.96	0.97	1.01	0.98	1.13	1.01
34	Brazil 1	1.20	1.00	1.03	1.09	1.09	1.18	-	1.09
35	Sudan 1	1.25	0.91	0.95	0.97	0.98	1.21	1.09	1.05
36	Namibia 2	1.06	1.01	0.98	0.99	1.01	1.04	1.02	1.02
37	Zimbabwe 1	0.94	0.87	0.95	0.91	1.01	1.04	1.15	0.98
38	Senegal 1	1.01	0.89	0.87	0.88	0.95	1.00	0.94	0.94
39	Dominican Rep. 1	1.16	1.11	1.07	1.01	1.24	0.99	1.19	1.11
40	Uganda 1	0.97	0.96	0.90	0.94	1.02	1.05	1.24	1.01
41	Senegal 2	0.97	0.94	0.92	0.94	0.92	1.07	1.01	0.97
42	Jordan 2	1.30	1.00	0.97	0.98	1.10	1.04	1.02	1.06
43	Zambia 2	0.96	0.87	0.90	1.01	0.99	1.00	1.15	0.98
44	Paraguay 2	1.03	1.04	0.97	1.08	1.12	1.06	0.93	1.03
45	Peru 2	1.13	1.02	1.11	1.14	1.01	1.08	1.20	1.10
46	Sri Lanka 1	1.48	0.98	0.88	0.87	1.03	0.81	0.67	0.96
47	Peru 1	1.19	1.06	1.03	1.00	1.12	1.04	1.08	1.07
48	Trinidad and Tobago 1	1.13	1.07	1.09	0.99	1.11	0.95	1.14	1.07
Average over countries		1.06	0.94	0.94	0.98	1.03	1.06	1.07	1.01
cv (of country defts)		0.13	0.09	0.08	0.09	0.08	0.08	0.12	0.06

The factor is defined as the ratio of the standard error of the actually computed rate to the standard error computed by treating it as a simple proportion, both under the assumption of simple random sampling. Number following country name indicates DHS-I or DHS-II survey.

Table B.7.1 Comparison of defts for children ever born with defts for age-specific fertility rates, Demographic and Health Surveys I

Deft for children ever born

Deft rank (total sample)	Country	Age group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Mean
2	Indonesia	1.06	1.30	1.47	1.44	1.29	1.40	1.42	1.34
3	Mexico	1.71	1.55	1.79	1.51	1.33	1.53	1.73	1.59
5	Egypt	1.26	1.18	1.38	1.52	1.49	1.21	1.22	1.32
8	Thailand	1.25	1.36	1.67	1.54	1.45	1.26	1.46	1.43
9	Morocco	0.94	1.15	1.14	1.24	1.15	1.19	1.17	1.14
10	Kenya	1.15	1.27	1.12	1.06	0.93	1.20	1.29	1.15
12	Nigeria (Ondo)	1.44	1.41	1.51	1.02	0.95	1.01	1.05	1.20
15	Liberia	1.38	1.10	0.95	1.16	1.18	1.17	1.01	1.14
20	Tunisia	1.05	1.00	1.17	1.01	1.21	1.12	1.25	1.12
21	Colombia	1.01	1.52	1.31	1.59	1.21	1.39	1.30	1.33
23	Ghana	1.07	0.96	1.19	1.21	1.06	0.87	1.17	1.07
24	Botswana	1.22	1.11	1.13	1.05	1.25	1.14	1.00	1.13
25	Guatemala	1.03	1.27	1.14	1.09	1.21	1.09	-	1.14
27	El Salvador	1.09	1.34	1.13	1.08	1.09	1.05	1.06	1.12
28	Togo	1.19	0.99	1.10	1.11	1.04	1.01	1.02	1.06
29	Burundi	0.98	1.18	1.47	1.10	1.11	1.04	1.21	1.16
30	Ecuador	1.18	1.25	1.25	1.19	1.18	1.08	0.95	1.15
32	Mali	1.23	1.08	1.41	1.17	0.90	1.04	1.16	1.14
33	Bolivia	1.28	1.27	1.38	1.17	1.20	1.23	1.40	1.27
34	Brazil	1.20	1.28	1.14	1.33	1.19	1.12	-	1.21
35	Sudan	1.12	1.06	1.21	1.16	0.94	0.94	1.17	1.08
37	Zimbabwe	1.03	1.01	1.02	1.05	1.07	0.90	0.89	1.00
38	Senegal	1.08	1.14	1.19	0.89	1.07	0.93	0.95	1.04
39	Dominican Republic	1.14	1.42	1.34	1.22	1.15	1.16	1.23	1.24
40	Uganda	1.23	1.25	1.33	1.09	1.05	1.16	1.13	1.18
46	Sri Lanka	1.11	1.10	1.23	1.07	1.22	1.22	1.05	1.14
47	Peru	0.78	1.03	1.22	1.15	0.87	1.23	1.02	1.04
48	Trinidad and Tobago	0.90	1.11	1.15	1.17	1.11	1.14	1.08	1.09
Mean for DHS-I		1.15	1.20	1.27	1.19	1.14	1.14	1.17	1.18
Coefficient of variation		15.3	13.0	14.7	14.5	13.0	13.0	15.8	10.7

ANOVA: Two-factor without replication
Deft for children ever born

Source	Sum of squares	Percent sum of squares	Degrees of freedom
Country	3.13	0.54	27
Age group	0.37	0.06	6
Error	2.34	0.40	162
Total	5.85	1.00	195

Table B.7.1—Continued

Deft for age-specific fertility rates

Deft rank (total sample)	Country	Age group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Mean
2	Indonesia	1.45	1.54	1.53	1.48	1.37	1.35	1.23	1.42
3	Mexico	1.52	1.20	1.32	1.06	1.03	1.11	1.26	1.21
8	Thailand	1.42	1.33	1.21	1.25	1.19	1.20	1.15	1.25
9	Morocco	1.85	1.73	1.90	1.55	1.56	1.55	1.12	1.61
10	Kenya	1.47	1.49	1.17	1.36	1.38	1.32	1.11	1.33
12	Nigeria (Ondo)	1.32	1.56	1.45	1.32	1.36	1.06	0.81	1.27
15	Liberia	1.40	1.24	1.23	1.08	1.17	1.14	1.15	1.20
20	Tunisia	1.14	1.20	1.12	0.94	0.97	0.99	1.00	1.05
21	Colombia	1.48	1.54	1.32	1.23	1.27	1.09	0.97	1.27
23	Ghana	1.20	1.19	1.12	1.07	1.24	1.09	0.97	1.13
24	Botswana	1.21	1.31	1.21	1.24	1.16	1.11	-	1.21
25	Guatemala	1.26	1.30	1.20	1.24	1.14	1.04	-	1.20
27	El Salvador	1.32	1.22	1.12	1.43	1.42	1.05	1.04	1.23
28	Togo	1.24	1.24	1.46	1.19	1.47	1.23	1.12	1.28
29	Burundi	1.26	1.16	1.14	1.00	1.13	1.21	1.10	1.14
30	Ecuador	1.29	1.37	1.14	1.04	1.19	1.12	1.01	1.17
32	Mali	1.00	1.17	1.31	1.39	1.47	1.20	1.00	1.22
33	Bolivia	1.43	1.40	1.33	1.31	1.33	1.38	1.61	1.40
34	Brazil	1.09	1.20	1.23	1.20	1.23	1.27	1.01	1.18
35	Sudan	1.05	1.07	1.07	1.16	1.14	1.06	1.08	1.09
37	Zimbabwe	1.16	1.29	1.11	1.19	1.06	1.00	1.06	1.13
38	Senegal	1.02	1.16	1.05	1.07	1.09	1.11	1.07	1.08
39	Dominican Republic	1.35	1.47	1.22	1.14	1.23	1.16	1.04	1.23
40	Uganda	1.38	1.06	1.02	1.20	1.23	1.26	1.12	1.18
46	Sri Lanka	1.23	1.21	1.18	1.35	1.08	1.23	1.19	1.21
47	Peru	1.50	1.33	1.09	1.09	1.02	1.13	1.00	1.17
48	Trinidad and Tobago	0.95	1.02	1.23	1.45	1.31	1.31	1.04	1.19
Mean for DHS-I		1.29	1.29	1.24	1.22	1.23	1.18	1.09	1.22
Coefficient of variation		15.2	12.7	14.2	12.3	11.8	10.7	12.7	9.1

ANOVA: Two-factor without replication

Deft for age-specific fertility rates

Source	Sum of squares	Percent sum of squares	Degrees of freedom
Country	2.45	0.43	27
Age group	0.83	0.15	6
Error	2.41	0.42	162
Total	5.68	1.00	195

Table B.7.1—Continued

Deft ratio (age-specific fertility rates/children ever born)

Deft rank (total sample)	Country	Age group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Mean
2	Indonesia	1.37	1.19	1.04	1.02	1.06	0.97	0.87	1.08
3	Mexico	0.89	0.77	0.74	0.70	0.78	0.73	0.73	0.76
5	Egypt	0.81	1.03	0.88	0.84	0.83	0.95	0.84	0.88
8	Thailand	1.14	0.98	0.72	0.81	0.82	0.95	0.79	0.89
9	Morocco	1.97	1.50	1.66	1.25	1.35	1.31	0.96	1.43
10	Kenya	1.27	1.17	1.05	1.28	1.49	1.10	0.86	1.18
12	Nigeria (Ondo)	0.92	1.10	0.96	1.29	1.43	1.05	0.77	1.08
15	Liberia	1.01	1.13	1.30	0.93	0.99	0.98	1.14	1.07
20	Tunisia	1.09	1.20	0.96	0.93	0.80	0.89	0.80	0.95
21	Colombia	1.47	1.01	1.01	0.77	1.05	0.78	0.75	0.98
23	Ghana	1.12	1.24	0.94	0.88	1.17	1.25	0.82	1.06
24	Botswana	0.99	1.17	1.07	1.18	0.93	0.97	-	0.90
25	Guatemala	1.22	1.02	1.05	1.13	0.94	0.95	-	0.90
27	El Salvador	1.21	0.91	0.98	1.32	1.30	0.99	0.99	1.10
28	Togo	1.04	1.26	1.32	1.07	1.42	1.22	1.10	1.20
29	Burundi	1.28	0.98	0.78	0.91	1.02	1.16	0.91	1.01
30	Ecuador	1.10	1.10	0.91	0.87	1.01	1.03	1.07	1.01
32	Mali	0.82	1.09	0.93	1.19	1.62	1.15	0.86	1.09
33	Bolivia	1.12	1.11	0.97	1.12	1.11	1.12	1.15	1.10
34	Brazil	0.91	0.94	1.09	0.90	1.04	1.14	-	0.86
35	Sudan	0.94	1.01	0.89	1.00	1.22	1.12	0.92	1.01
37	Zimbabwe	1.12	1.29	1.09	1.13	0.99	1.11	1.19	1.13
38	Senegal	0.94	1.02	0.88	1.20	1.02	1.20	1.13	1.05
39	Dominican Republic	1.18	1.04	0.91	0.93	1.07	1.00	0.85	1.00
40	Uganda	1.12	0.85	0.77	1.10	1.18	1.08	0.99	1.01
46	Sri Lanka	1.11	1.09	0.96	1.26	0.89	1.01	1.13	1.06
47	Peru	1.94	1.29	0.89	0.95	1.17	0.92	0.99	1.16
48	Trinidad and Tobago	1.06	0.92	1.07	1.24	1.18	1.15	0.96	1.08
Mean for DHS-I		1.15	1.09	0.99	1.04	1.10	1.05	0.94	1.05
Coefficient of variation		23.6	13.9	19.0	16.6	19.4	12.6	14.5	11.0

ANOVA: Two-factor without replication
Deft ratio (ASFR/CEB)

Source	Sum of squares	Percent sum of squares	Degrees of freedom
Country	2.65	0.35	27
Age group	0.81	0.11	6
Error	4.12	0.54	162
Total	7.58	1.00	195

Table B.7.2 Comparison of defts for children ever born (all ages) with defts for general fertility rate (GFR) (births in the last 5 years), Demographic and Health Surveys I

Deft rank (total sample)	Country	CEB	GFR	Ratio CEB/GFR
2	Indonesia	1.70	1.88	0.91
3	Mexico	1.67	1.90	0.88
5	Egypt	1.49	1.43	1.04
8	Thailand	1.62	1.52	1.07
9	Morocco	1.37	1.54	0.89
10	Kenya	1.51	1.61	0.94
12	Nigeria (Ondo)	2.31	2.03	1.14
15	Liberia	1.35	1.38	0.98
20	Tunisia	1.34	1.42	0.94
21	Colombia	1.59	1.82	0.87
23	Ghana	1.16	1.29	0.90
24	Botswana	1.36	1.22	1.11
25	Guatemala	1.14	1.37	0.84
27	El Salvador	1.37	1.64	0.84
28	Togo	1.18	1.31	0.90
29	Burundi	1.03	1.29	0.80
30	Ecuador	1.32	1.38	0.96
32	Mali	1.15	1.43	0.81
33	Bolivia	1.35	1.46	0.93
34	Brazil	1.33	1.40	0.95
35	Sudan	1.08	1.29	0.84
37	Zimbabwe	0.95	1.37	0.69
38	Senegal	1.03	1.26	0.82
39	Dominican Republic	1.31	1.46	0.90
40	Uganda	1.09	1.15	0.95
46	Sri Lanka	1.09	1.10	0.99
47	Peru	1.05	1.07	0.98
48	Trinidad and Tobago	1.11	1.19	0.93
Mean for DHS-I		1.32	1.44	0.92
Coefficient of variation		21.1	16.5	10.4

Table B.8 Defts for infant mortality rates (IMR) calculated for the five-year period preceding the survey, using jackknife, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Deft [1] Total IMR	Deft [1] Urban IMR	Deft [1] Rural IMR	Effect on deft of the clustering of children[2] Total	Effect on deft of the clustering of children[2] Urban	Effect on deft of the clustering of children[2] Rural	Comparison of IMR and IMR-T [3] Total IMR-T	Comparison of IMR and IMR-T [3] Ratio IMR-T/IMR
1	Nigeria 2	1.38	1.14	1.20	1.08	1.04	1.11	1.40	1.01
2	Indonesia 1	1.65	1.26	1.58	1.04	1.03	1.04	1.63	0.99
3	Mexico 1	1.13	0.90	1.25	1.01	1.05	1.03	1.25	1.11
4	Indonesia 2	1.08	0.91	1.13	1.13	1.07	1.15	1.78	1.65
5	Egypt 1	1.35	0.96	1.39	1.08	1.09	1.08	1.26	0.93
6	Colombia 2	1.30	1.22	1.43	1.06	1.08	1.13	*1.39*	1.07
7	Northeast Brazil 2	1.42	1.00	1.47	1.06	1.01	1.13	1.61	1.14
8	Thailand 1	0.90	1.07	0.83	1.04	1.12	1.05	1.18	1.31
9	Morocco 1	1.58	1.35	1.04	1.18	1.07	1.22	1.09	0.69
10	Kenya 1	1.35	1.06	1.32	1.13	1.08	1.15	1.25	0.93
11	Tanzania 2	1.74	2.10	1.46	1.04	1.00	1.06	1.65	0.95
12	Nigeria 1 (Ondo)	0.99	1.13	1.07	1.08	1.08	1.08	1.10	1.10
13	Niger 2	1.37	1.42	1.26	1.06	0.98	1.08	1.34	0.97
14	Dominican Republic 2	1.16	1.15	1.11	1.11	1.09	1.13	1.38	1.20
15	Liberia 1	1.30	1.20	1.37	1.18	1.15	1.20	1.22	0.94
16	Pakistan 2	1.04	1.01	1.09	1.07	1.11	1.07	1.47	1.42
17	Morocco 2	1.17	1.07	1.19	1.11	1.06	1.13	1.12	0.96
18	Burkina Faso 2	1.10	1.05	0.96	1.02	1.02	1.06	1.18	1.07
19	Cameroon 2	1.01	1.06	0.78	1.04	0.92	1.07	1.07	1.05
20	Tunisia 1	1.01	1.05	0.99	1.08	1.13	1.03	1.11	1.10
21	Colombia 1	1.03	1.03	1.06	1.08	1.12	1.00	1.07	1.04
22	Egypt 2	1.61	1.60	1.60	1.09	1.09	1.09	1.05	0.65
23	Ghana 1	1.24	1.12	1.27	1.05	1.05	1.04	1.29	1.04
24	Botswana 1	1.21	1.22	1.16	0.99	0.99	1.01	1.05	0.87
25	Guatemala 1	1.13	1.09	1.15	1.09	1.07	1.09	1.16	1.03
26	Madagascar 2	1.11	1.06	1.15	1.06	1.04	1.10	1.11	1.00
27	El Salvador 1	1.06	0.99	0.98	1.06	1.02	1.10	1.42	1.35
28	Togo 1	1.49	1.08	1.37	1.12	1.10	1.15	0.96	0.64
29	Burundi 1	1.18	0.88	1.12	1.08	1.02	1.09	1.25	1.06
30	Ecuador 1	0.94	0.97	0.93	1.09	1.10	1.08	1.08	1.15
31	Rwanda 2	1.14	0.94	1.09	1.09	1.12	1.10	1.21	1.07
32	Mali 1	1.13	1.25	1.09	1.07	0.98	1.09	1.01	0.89
33	Bolivia 1	1.48	1.26	1.50	1.01	1.03	1.02	1.50	1.01
34	Brazil 1	1.30	0.98	1.19	1.10	1.11	1.10	1.23	0.95
35	Sudan 1	1.01	0.90	1.03	1.10	1.07	1.11	1.40	1.38
36	Namibia 2	1.68	1.15	1.99	1.07	1.05	1.07	1.20	0.71
37	Zimbabwe 1	1.09	0.99	1.10	1.07	1.02	1.06	1.25	1.15
38	Senegal 1	1.12	1.00	1.18	1.07	1.01	1.09	1.06	0.94
39	Dominican Republic 1	1.01	1.03	1.02	1.16	1.11	1.21	1.19	1.18
40	Uganda 1	1.13	0.99	1.11	1.02	1.12	1.02	1.06	0.94
41	Senegal 2	1.12	0.97	1.14	1.10	1.06	1.10	1.05	0.94
42	Jordan 2	1.23	1.04	1.13	1.10	1.11	1.14	1.36	1.10
43	Zambia 2	1.18	1.19	1.21	1.11	1.06	1.14	1.16	0.98
44	Paraguay 2	1.07	1.02	1.10	1.06	0.99	1.09	0.94	0.88
45	Peru 2	1.58	1.22	1.46	1.11	1.10	1.07	1.18	0.75
46	Sri Lanka 1	1.33	1.11	1.22	1.06	1.07	1.06	1.01	0.76
47	Peru 1	0.98	0.90	1.02	1.20	1.10	1.13	1.13	1.15
48	Trinidad and Tobago 1	1.14	1.24	1.04	1.13	1.24	1.03	1.17	1.02
Average over countries		1.22	1.11	1.19	1.08	1.07	1.09	1.23	1.03
Coefficient of variation		0.17	0.18	0.18	0.04	0.05	0.04	0.15	0.19

Notes for Table B.8

(1) Deft by country with countries arranged according to overall deft averaged over all variables.

(2) Effect on deft of the clustering of children. The ratio of the standard error of the actually computed rate (as a true ratio) to the standard error computed by treating the IMR as a simple proportion, both under the assumption of simple random sample.

(3) IMR was computed using jackknife for five year's preceding the survey.
IMRT was computed using Taylor linearization following cohorts born 1-4 years ago.

Note: CV is coefficient of variation.

Table B.9.1 Effect of sample weights on deft (comparison of direct computations with Kish simple formula) for total sample, Demographic and Health Surveys I and II

Survey and Country	Age at marriage	Children ever born	Births in last 5 years	Ideal family size	Using modern method	IMR 1-4 years	Mother received tetanus	Had diarrhea	Immunized	Weight for height	Average over variables	cv over variables	Kish simple formula
DHS-I													
Botswana	1.10	1.12	1.10	1.11	1.07	1.11	1.11	1.10	1.14	-	1.11	1.7	1.09
Burundi	1.04	1.06	1.06	1.06	0.89	1.06	1.06	1.05	1.05	1.06	1.04	4.7	1.06
Kenya	1.27	1.29	1.28	1.34	1.26	1.23	1.34	1.22	1.27	-	1.28	3.0	1.27
Liberia	1.14	1.12	1.13	1.10	1.16	1.13	1.12	-	1.16	-	1.13	1.7	1.13
Mali	1.09	1.10	1.11	1.11	-	1.15	0.97	1.11	-	1.10	1.09	4.6	1.10
Uganda	1.09	1.11	1.10	1.12	1.01	1.12	1.12	1.13	1.08	1.18	1.11	3.8	1.11
Egypt	1.03	1.03	1.03	1.03	1.03	1.04	1.02	-	1.03	1.01	1.03	0.6	1.03
Indonesia	1.18	1.21	1.20	1.26	1.20	1.23	-	-	-	-	1.21	2.2	1.20
Sri Lanka	1.05	1.05	1.05	1.05	1.05	1.03	1.05	1.04	1.06	1.05	1.05	0.6	1.05
Thailand	1.15	1.25	1.22	1.34	1.20	1.23	1.23	1.22	1.16	1.35	1.24	5.0	1.21
Bolivia	1.24	1.22	1.22	1.21	1.14	1.20	1.18	1.21	1.13	1.19	1.19	2.9	1.21
Brazil	1.04	1.02	1.03	1.04	1.05	1.04	1.03	1.02	1.04	0.94	1.02	3.0	1.06
Colombia	1.03	1.03	1.02	1.05	1.03	1.04	1.02	1.03	1.03	1.06	1.03	1.0	1.03
Dominican Republic	1.19	1.09	1.14	1.14	1.17	1.17	1.17	1.15	-	1.16	1.15	2.3	1.16
El Salvador	1.05	1.06	1.07	1.07	1.05	1.08	1.07	1.07	1.06	-	1.06	0.8	1.03
Mexico	1.47	1.36	1.43	1.33	1.44	1.25	-	1.45	-	-	1.39	5.4	1.43
DHS-II													
Burkina Faso	1.04	1.10	1.11	1.14	0.86	1.14	1.14	1.13	1.10	-	1.08	7.9	1.10
Cameroon	1.05	1.09	1.08	1.09	0.98	1.09	1.14	1.13	1.08	-	1.08	3.8	1.08
Madagascar	1.03	1.07	1.06	1.08	0.93	1.09	1.08	1.08	1.08	-	1.06	4.4	1.06
Namibia	1.05	1.02	1.02	1.02	1.06	1.01	1.03	0.98	1.02	-	1.02	2.0	1.03
Niger	1.05	1.12	1.12	1.11	0.81	1.15	1.01	1.13	0.98	-	1.05	9.6	1.12
Nigeria	1.39	1.33	1.34	1.36	1.05	1.47	1.38	1.46	1.33	-	1.34	8.5	1.36
Rwanda	1.03	1.05	1.05	1.05	1.03	1.05	1.05	1.05	1.06	-	1.05	0.8	1.04
Tanzania	1.22	1.22	1.21	1.23	1.40	1.28	1.23	1.27	1.23	-	1.25	4.4	1.25
Zambia	1.02	1.02	1.02	1.00	1.03	1.01	1.01	1.02	1.01	-	1.02	0.9	1.02
Egypt	1.12	1.11	1.11	1.09	1.12	1.09	1.10	1.10	1.09	-	1.10	1.0	1.12
Indonesia	1.34	1.36	1.31	1.28	1.39	1.38	1.28	1.38	1.33	-	1.34	2.9	1.39
Jordan	1.07	1.08	1.08	1.08	1.09	1.09	1.06	1.05	1.03	-	1.07	1.7	1.08
Pakistan	1.33	1.33	1.33	1.21	1.28	1.42	1.28	1.35	1.36	-	1.32	4.2	1.34
Brazil	1.26	1.33	1.42	1.39	1.31	1.28	1.49	1.39	1.29	-	1.35	5.3	1.29
Colombia	1.45	1.63	1.40	1.51	1.41	0.99	1.40	1.48	1.45	-	1.41	11.7	1.20
Dominican Republic	1.36	1.31	1.30	1.30	1.34	1.26	1.21	1.27	1.34	-	1.30	3.4	1.35
Paraguay	1.06	1.01	1.03	1.02	1.06	0.99	0.97	1.02	1.04	-	1.02	3.0	1.05
Peru	1.09	1.03	1.03	1.05	1.09	0.98	1.01	1.01	1.03	-	1.04	3.2	1.07
Average over countries	1.15	1.16	1.15	1.16	1.12	1.14	1.14	1.16	1.14	1.11	1.15	1.4	1.15

Note: Direct computation of the effects of sample weights. Countries with self-weighting samples throughout are not shown. IMR is infant mortality rate. cv is coefficient of variation.

Table B.9.2 Effect of sample weights on deft (comparison of direct computations with Kish simple formula) for urban sample, Demographic and Health Surveys I and II

Survey and Country	Age at marriage	Children ever born	Births in last 5 years	Ideal family size	Using modern method	IMR 1-4 years	Mother received tetanus	Had diarrhea	Immunized	Weight for height	Average over variables	cv over variables	Kish simple formula
DHS-I													
Botswana	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.1	1.00
Burundi	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	0.3	1.00
Kenya	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.2	1.00
Liberia	1.07	1.07	1.07	1.05	1.07	1.06	1.06	-	1.08	-	1.06	0.8	1.07
Mali	1.20	1.04	1.04	1.07	-	1.11	1.04	1.03	-	1.04	1.07	5.1	1.03
Uganda	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	0.3	1.00
Egypt	1.04	1.04	1.04	1.04	1.04	1.04	1.03	-	1.05	1.01	1.04	0.9	1.04
Indonesia	1.25	1.27	1.24	1.32	1.26	1.30	-	-	-	-	1.27	2.3	1.26
Sri Lanka	1.03	1.04	1.01	1.06	1.02	0.97	1.00	1.02	1.01	0.99	1.02	2.3	1.02
Thailand	1.04	1.04	1.04	1.07	1.04	1.01	1.04	1.03	1.03	1.04	1.04	1.4	1.03
Bolivia	1.22	1.18	1.20	1.20	1.17	1.19	1.18	1.18	1.13	1.08	1.17	3.2	1.20
Brazil	1.06	1.03	1.05	1.04	1.07	1.05	1.05	1.04	1.07	0.95	1.04	3.2	1.07
Colombia	1.03	1.02	1.02	1.05	1.02	1.03	1.03	1.02	1.03	1.02	1.03	0.8	1.03
Dominican Republic	1.17	1.10	1.16	1.16	1.17	1.20	1.20	1.15	-	1.20	1.17	2.7	1.16
El Salvador	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	1.66	1.55	1.70	1.48	1.66	1.32	-	1.80	-	-	1.60	9.3	1.61
DHS-II													
Burkina Faso	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.2	1.00
Cameroon	1.09	1.15	1.14	1.14	1.01	1.13	1.35	1.25	1.14	-	1.16	7.8	1.11
Madagascar	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Namibia	1.03	1.02	1.02	1.01	1.03	1.00	1.02	0.96	1.00	-	1.01	1.9	1.02
Niger	0.99	1.03	1.03	1.03	0.99	1.05	1.05	1.04	1.04	-	1.03	2.1	1.03
Nigeria	1.17	1.20	1.16	1.22	1.07	1.15	1.20	1.19	1.17	-	1.17	3.6	1.16
Rwanda	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Tanzania	1.29	1.45	1.40	1.50	1.47	1.51	1.73	1.57	1.68	-	1.51	8.5	1.44
Zambia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Egypt	1.16	1.15	1.15	1.15	1.16	1.12	1.15	1.16	1.16	-	1.15	1.0	1.16
Indonesia	1.32	1.36	1.31	1.34	1.34	1.37	1.27	1.42	1.30	-	1.34	3.1	1.34
Jordan	1.06	1.07	1.06	1.05	1.07	1.06	1.05	1.04	1.02	-	1.05	1.3	1.06
Pakistan	1.33	1.34	1.35	1.22	1.38	1.36	1.34	1.37	1.35	-	1.34	3.3	1.35
Brazil	1.25	1.28	1.28	1.27	1.27	1.27	1.26	1.44	1.32	-	1.29	4.4	1.26
Colombia	1.41	1.49	1.37	1.45	1.35	1.07	1.35	1.61	1.31	-	1.38	10.2	1.12
Dominican Republic	1.32	1.24	1.25	1.27	1.29	1.26	1.31	1.24	1.30	-	1.28	2.3	1.30
Paraguay	1.04	1.01	1.03	1.03	1.04	1.00	1.01	1.04	1.03	-	1.03	1.2	1.04
Peru	1.09	1.04	1.04	1.06	1.08	1.01	1.02	1.02	1.04	-	1.05	2.4	1.07
Average over countries	1.13	1.13	1.13	1.13	1.13	1.11	1.12	1.16	1.11	1.03	1.13	2.7	1.12

Note: Direct computation of the effects of sample weights. Countries with self-weighting samples throughout are not shown. IMR is infant mortality rate. cv is coefficient of variation.

Table B.9.3 Effect of sample weights on deft (comparison of direct computations with Kish simple formula) for rural sample, Demographic and Health Surveys I and II

Survey and Country	Age at marriage	Children ever born	Births in last 5 years	Ideal family size	Using modern method	IMR 1-4 years	Mother received tetanus	Had diarrhea	Immunized	Weight for height	Average over variables	cv over variables	Kish simple formula
DHS-I													
Botswana	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.2	1.00
Burundi	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	0.3	1.00
Kenya	1.28	1.26	1.27	1.32	1.29	1.21	1.29	1.20	1.24	-	1.26	2.9	1.27
Liberia	1.17	1.15	1.17	1.15	1.20	1.17	1.16		1.21	-	1.17	1.8	1.17
Mali	1.10	1.06	1.06	1.05	-	1.07	1.06	1.05		1.06	1.06	1.4	1.05
Uganda	1.09	1.08	1.09	1.10	1.12	1.10	1.09	1.10	1.05	1.13	1.09	1.9	1.09
Egypt	1.01	1.02	1.01	1.03	1.02	1.03	1.02	-	1.01	1.02	1.02	0.5	1.02
Indonesia	1.15	1.18	1.17	1.22	1.16	1.19	-	-	-	-	1.18	1.8	1.16
Sri Lanka	1.05	1.05	1.06	1.06	1.05	1.04	1.05	1.05	1.06	1.06	1.05	0.6	1.05
Thailand	1.12	1.16	1.15	1.26	1.13	1.13	1.16	1.13	1.14	1.27	1.16	4.4	1.14
Bolivia	1.24	1.20	1.20	1.19	1.10	1.15	1.15	1.18	1.11	1.20	1.17	3.5	1.21
Brazil	1.01	0.99	1.00	1.02	1.02	1.01	0.99	0.98	1.00	0.93	0.99	2.7	1.03
Colombia	1.02	1.04	1.03	1.05	1.02	1.05	1.03	1.05	1.05	1.18	1.05	4.2	1.03
Dominican Republic	1.16	1.11	1.14	1.12	1.14	1.16	1.13	1.15	-	1.10	1.13	1.8	1.13
El Salvador	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	1.15	1.15	1.16	1.16	1.11	1.17	-	1.15	-	-	1.15	1.4	1.14
DHS-II													
Burkina Faso	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Cameroon	1.00	1.00	1.00	1.00	1.03	0.99	1.00	1.00	1.02	-	1.01	0.9	1.01
Madagascar	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Namibia	1.06	1.02	1.03	1.03	1.06	1.02	1.04	1.00	1.03	-	1.03	1.7	1.03
Niger	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Nigeria	1.39	1.28	1.29	1.24	1.16	1.40	1.36	1.37	1.35	-	1.31	5.8	1.32
Rwanda	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	1.00	0.0	1.00
Tanzania	1.16	1.13	1.14	1.11	1.18	1.12	1.13	1.14	1.13	-	1.14	1.7	1.14
Zambia	1.04	1.04	1.04	1.01	1.04	1.03	1.04	1.05	1.04	-	1.04	0.8	1.04
Egypt	1.08	1.08	1.08	1.05	1.09	1.07	1.07	1.05	1.06	-	1.07	1.1	1.08
Indonesia	1.33	1.36	1.31	1.26	1.41	1.38	1.29	1.36	1.33	-	1.34	3.2	1.40
Jordan	1.11	1.11	1.13	1.17	1.17	1.17	1.10	1.08	1.02	-	1.12	4.1	1.12
Pakistan	1.20	1.20	1.22	1.06	1.30	1.26	1.22	1.24	1.26	-	1.22	5.2	1.21
Brazil	1.27	1.34	1.46	1.46	1.36	1.25	1.58	1.23	1.23	-	1.35	8.6	1.33
Colombia	1.32	1.43	1.22	1.30	1.31	0.77	1.24	1.14	1.32	-	1.23	14.5	1.15
Dominican Republic	1.45	1.43	1.38	1.36	1.42	1.29	1.13	1.33	1.42	-	1.36	7.0	1.45
Paraguay	1.07	1.04	1.04	1.04	1.06	1.01	1.00	1.01	1.06	-	1.04	2.3	1.05
Peru	1.06	1.05	1.05	1.03	1.07	1.01	1.03	1.04	1.05	-	1.04	1.5	1.05
Average over countries	1.12	1.12	1.12	1.12	1.13	1.10	1.11	1.10	1.11	1.09	1.12	1.0	1.12

Note: Direct computation of the effects of sample weights. Countries with self-weighting samples throughout are not shown. IMR is infant mortality rate. cv is coefficient of variation.

Table B.10 Effect of sample weighting for total sample, urban-rural and regions (computed using Kish simple formula), Demographic and Health Surveys I and II

Survey and Country	Total	Urban	Rural	Region 1	2	3	4	5	6	7	8	9	10	Mean	Self-weighting
DHS-I															
Botswana	1.09	1.00	1.00	(No regions defined)										1.09	Urban/rural
Burundi	1.06	1.00	1.00	1.32	1.00	1.00	1.00	1.00	-	-	-	-	-	1.07	Urban/rural
Ghana	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	1.00	All
Kenya	1.27	1.00	1.27	1.00	1.35	1.46	1.12	1.15	1.32	1.18	-	-	-	1.23	Urban
Liberia	1.13	1.07	1.17	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	Region
Mali	1.10	1.03	1.05	1.08	1.09	1.08	1.00	-	-	-	-	-	-	1.06	
Nigeria (Ondo)	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	-	1.00	All
Senegal	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	All
Sudan	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	1.00	All
Togo	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	1.00	All
Uganda	1.11	1.00	1.09	1.00	1.03	1.15	1.00	1.05	1.00	-	-	-	-	1.04	Urban
Zimbabwe	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	All
Egypt	1.03	1.04	1.02	1.06	1.03	1.02	1.01	1.01	-	-	-	-	-	1.03	
Indonesia	1.20	1.26	1.16	1.20	1.10	1.03	-	-	-	-	-	-	-	1.11	
Morocco	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	1.00	All
Sri Lanka	1.05	1.02	1.05	(Not computed)				-	-	-	-	-	-	1.05	
Thailand	1.21	1.03	1.14	1.17	1.11	1.17	1.04	1.02	-	-	-	-	-	1.10	
Tunisia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	1.00	All
Bolivia	1.21	1.20	1.21	1.14	1.26	1.22	-	-	-	-	-	-	-	1.21	
Brazil	1.06	1.07	1.03	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	1.00	Region
Colombia	1.03	1.03	1.03	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	1.00	Region
Dominican Republic	1.16	1.16	1.13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	1.00	Region
Ecuador	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	1.00	All
El Salvador	1.03	.	.	1.11	1.01	1.02	-	-	-	-	-	-	-	1.05	
Guatemala	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	1.00	All
Mexico	1.43	1.61	1.14	1.10	1.21	1.24	1.15	1.39	1.27	1.21	1.29	1.41	-	1.25	
Peru	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	All
Trinidad and Tobago	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	-	-	1.00	All
Average DHS-I	1.08	1.06	1.06									Average Dw for regions =		1.05	
DHS-II															
Burkina Faso	1.10	1.00	1.00	1.00	1.05	1.03	1.10	1.03	.	-	-	-	-	1.04	Urban/Rural
Cameroon	1.08	1.11	1.01	1.04	1.02	1.05	1.03	1.01	-	-	-	-	-	1.03	
Madagascar	1.06	1.00	1.00	1.07	1.04	1.05	1.04	1.04	1.08	-	-	-	-	1.05	Urban/Rural
Namibia	1.03	1.02	1.03	1.00	1.04	1.00	1.00	-	-	-	-	-	-	1.01	
Niger	1.12	1.03	1.00	1.00	1.04	1.07	1.07	1.01	1.07	-	-	-	-	1.04	
Nigeria	1.36	1.16	1.32	1.17	1.40	1.61	1.10	-	.	-	-	-	-	1.32	
Rwanda	1.04	1.00	1.00	1.13	1.02	1.01	1.03	1.02	-	-	-	-	-	1.04	Urban/Rural
Senegal	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	All
Tanzania	1.25	1.44	1.14	1.16	1.27	1.15	1.50	1.20	1.13	-	-	-	-	1.23	
Zambia	1.02	1.00	1.04	1.00	1.00	1.00	1.02	1.00	1.00	1.09	1.00	1.01	-	1.01	
Egypt	1.12	1.16	1.08	1.18	1.12	1.08	1.14	1.08	-	-		-	-	1.12	
Indonesia	1.39	1.34	1.40	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.08	.	-	1.02	
Jordan	1.08	1.06	1.12	1.04	1.06	1.04	1.10	1.03	-	-	-	.	-	1.06	
Morocco	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	.	-	1.00	All
Pakistan	1.34	1.35	1.21	1.15	1.12	1.24	1.66	-	-	-	-	.	-	1.29	
Northeast Brazil	1.29	1.26	1.33	1.49	1.07	1.14	1.10	1.02	1.23	1.11	1.05	1.25	-	1.16	
Colombia	1.20	1.12	1.15	1.08	1.15	1.30	1.19	1.12	-	-	-	.	-	1.17	
Dominican Republic	1.35	1.30	1.45	1.06	1.18	1.17	1.69	1.07	1.12	1.51	1.26	-	-	1.26	
Paraguay	1.05	1.04	1.05	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	Region
Peru	1.07	1.07	1.05	1.00	1.02	1.01	1.18	-	-	-	-	-	-	1.05	
Average DHS-II	1.15	1.12	1.12									Average Dw for regions =		1.10	

Note: The last column specifies the domain(s) within, but not across which, the sample is self-weighting by design.
Thus "all" means a sample self-weighting throughout; "urban" means within the urban domain but not within the rural.
The remaining samples depart from self-weighting more generally.

Table B.11.1 Some sample characteristics by region: Number of primary sampling units, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Region 1	2	3	4	5	6	7	8	9	10	Mean per region
1	Nigeria 2	76	104	50	64	-	-	-	-	-	-	74
2	Indonesia 1	286	74	38	-	-	-	-	-	-	-	133
3	Mexico 1	26	28	74	24	66	20	28	26	66	-	40
4	Indonesia 2	80	82	66	64	72	52	480	274	-	-	146
5	Egypt 1	54	28	66	24	52	-	-	-	-	-	45
6	Colombia 2	18	16	44	70	88	-	-	-	-	-	47
7	Northeast Brazil 2	32	28	50	28	30	60	30	24	72	-	39
8	Thailand 1	58	62	62	58	48	-	-	-	-	-	58
9	Morocco 1	20	24	62	46	22	12	14	-	-	-	29
10	Kenya 1	40	82	46	52	84	78	54	-	-	-	62
11	Tanzania 2	106	32	90	26	44	48	-	-	-	-	58
12	Nigeria 1 (Ondo)	36	44	8	-	-	-	-	-	-	-	29
13	Niger 2	50	20	36	44	24	54	-	-	-	-	38
14	Dominican Republic 2	64	48	62	48	40	44	42	40	-	-	49
15	Liberia 1	24	24	28	76	-	-	-	-	-	-	38
16	Pakistan 2	154	110	78	48	-	-	-	-	-	-	98
17	Morocco 2	46	22	62	12	14	24	20	-	-	-	29
18	Burkina Faso 2	58	28	36	62	40	-	-	-	-	-	45
19	Cameroon 2	38	22	18	22	42	-	-	-	-	-	28
20	Tunisia 1	38	22	18	18	32	22	-	-	-	-	25
21	Colombia 1	34	34	36	34	40	-	-	-	-	-	36
22	Egypt 2	122	58	110	48	98	-	-	-	-	-	87
23	Ghana 1	14	16	26	20	14	26	14	14	-	-	18
24	Botswana 1	-	-	-	-	-	-	-	-	-	-	-
25	Guatemala 1	66	28	60	26	14	20	22	-	-	-	34
26	Madagascar 2	70	40	32	22	28	-	20	-	-	-	35
27	El Salvador 1	54	70	44	-	-	-	-	-	-	-	56
28	Togo 1	68	30	14	20	14	-	-	-	-	-	29
29	Burundi 1	46	12	10	62	12	-	-	-	-	-	28
30	Ecuador 1	26	26	40	36	30	34	-	-	-	-	32
31	Rwanda 2	50	48	24	42	26	-	-	-	-	-	38
32	Mali 1	36	56	32	24	-	-	-	-	-	-	37
33	Bolivia 1	290	218	164	-	-	-	-	-	-	-	224
34	Brazil 1	48	46	48	60	100	40	-	-	-	-	57
35	Sudan 1	64	18	44	82	46	56	-	-	-	-	52
36	Namibia 2	66	32	22	40	-	-	-	-	-	-	40
37	Zimbabwe 1	22	12	18	18	8	10	22	22	18	12	16
38	Senegal 1	56	46	22	24	-	-	-	-	-	-	37
39	Dominican Republic 1	90	52	92	70	76	60	94	70	-	-	76
40	Uganda 1	6	32	76	6	58	24	-	-	-	-	34
41	Senegal 2	106	76	36	34	-	-	-	-	-	-	63
42	Jordan 2	122	60	70	40	52	-	-	-	-	-	69
43	Zambia 2	20	66	20	20	48	20	18	22	18	-	28
44	Paraguay 2	80	56	58	66	-	-	-	-	-	-	65
45	Peru 2	208	216	282	192	-	-	-	-	-	-	225
46	Sri Lanka 1	-	-	-	-	-	-	-	-	-	-	-
47	Peru 1	104	24	16	22	-	-	-	-	-	-	42
48	Trinidad and Tobago 1	80	96	-	-	-	-	-	-	-	-	88
Average over all countries												58

Table B.11.2 Some sample characteristics by region: Average cluster size (b-bar or number of women per cluster), Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Region 1	2	3	4	5	6	7	8	9	10	Mean per region	cv (percent)
1	Nigeria 2	30.6	26.2	34.0	31.8	-	-	-	-	-	-	30.6	9
2	Indonesia 1	29.5	32.1	28.2	-	-	-	-	-	-	-	29.9	6
3	Mexico 1	31.9	26.3	21.6	32.5	21.8	41.7	30.0	29.0	22.6	-	28.6	21
4	Indonesia 2	22.7	19.3	20.8	16.7	20.4	19.1	20.3	17.7	-	-	19.6	9
5	Egypt 1	42.2	37.0	36.5	45.6	40.2	-	-	-	-	-	40.3	8
6	Colombia 2	24.3	23.5	35.3	37.0	41.9	-	-	-	-	-	32.4	22
7	Northeast Brazil 2	18.1	22.2	17.4	18.2	14.2	18.4	16.5	20.4	15.7	-	17.9	13
8	Thailand 1	25.0	22.3	23.7	21.1	26.0	-	-	-	-	-	23.6	7
9	Morocco 1	37.9	30.3	27.1	26.3	34.5	31.8	33.5	-	-	-	31.6	12
10	Kenya 1	21.5	15.6	15.7	17.3	15.1	14.1	19.0	-	-	-	16.9	14
11	Tanzania 2	21.4	25.2	34.3	28.8	26.8	23.9	-	-	-	-	26.7	15
12	Nigeria 1 (Ondo)	47.1	49.8	40.8	-	-	-	-	-	-	-	45.9	8
13	Niger 2	26.9	35.2	29.1	28.8	35.5	23.9	-	-	-	-	29.9	14
14	Dominican Republic 2	21.4	17.0	17.9	19.7	17.1	20.8	19.4	16.7	-	-	18.7	9
15	Liberia 1	34.8	38.3	37.9	31.9	-	-	-	-	-	-	35.7	7
16	Pakistan 2	14.3	16.3	21.3	19.6	-	-	-	-	-	-	17.9	15
17	Morocco 2	38.8	53.9	45.9	51.1	58.9	40.0	52.4	-	-	-	48.7	14
18	Burkina Faso 2	27.6	34.4	26.5	24.7	32.7	-	-	-	-	-	29.2	13
19	Cameroon 2	27.2	27.7	26.7	27.2	27.4	-	-	-	-	-	27.2	1
20	Tunisia 1	20.3	33.1	36.0	33.7	24.3	29.7	-	-	-	-	29.5	19
21	Colombia 1	30.1	38.2	32.2	27.7	22.7	-	-	-	-	-	30.2	17
22	Egypt 2	20.4	20.7	23.7	20.5	26.3	-	-	-	-	-	22.3	11
23	Ghana 1	28.0	29.0	23.0	35.2	35.7	31.7	35.7	36.3	-	-	31.8	14
24	Botswana 1	-	-	-	-	-	-	-	-	-	-	-	-
25	Guatemala 1	20.3	21.5	19.3	24.7	23.5	27.5	24.5	-	-	-	23.0	11
26	Madagascar 2	31.8	32.2	24.4	33.0	24.5	-	27.7	-	-	-	28.9	12
27	El Salvador 1	39.6	21.0	36.4	-	-	-	-	-	-	-	32.3	25
28	Togo 1	22.1	25.6	21.9	20.5	26.9	-	-	-	-	-	23.4	10
29	Burundi 1	16.5	34.0	33.4	32.0	40.6	-	-	-	-	-	31.3	26
30	Ecuador 1	24.9	24.7	26.3	22.6	22.9	25.6	-	-	-	-	24.5	5
31	Rwanda 2	30.1	33.6	35.8	37.2	38.8	-	-	-	-	-	35.1	9
32	Mali 1	23.1	21.7	20.3	21.0	-	-	-	-	-	-	21.5	5
33	Bolivia 1	10.9	12.3	12.7	-	-	-	-	-	-	-	12.0	7
34	Brazil 1	15.6	16.7	17.6	17.1	17.9	17.7	-	-	-	-	17.1	5
35	Sudan 1	19.5	21.9	15.2	19.5	19.7	18.6	-	-	-	-	19.1	11
36	Namibia 2	32.6	42.5	25.5	33.8	-		-	-	-	-	33.6	18
37	Zimbabwe 1	24.0	24.0	30.2	27.5	23.6	28.2	29.8	22.6	19.2	31.6	26.1	14
38	Senegal 1	33.1	29.1	29.4	24.0	-	-	-	-	-	-	28.9	11
39	Dominican Republic 1	14.8	12.1	14.2	12.7	12.2	12.6	10.8	11.2	-	-	12.6	10
40	Uganda 1	26.8	27.0	18.3	27.7	27.9	22.0	-	-	-	-	25.0	14
41	Senegal 2	21.9	30.0	19.2	29.8	-	-	-	-	-	-	25.2	19
42	Jordan 2	17.8	21.3	18.7	19.1	18.3	-	-	-	-	-	19.0	6
43	Zambia 2	28.3	24.3	32.9	29.5	23.7	29.5	21.5	43.0	32.3	-	29.4	21
44	Paraguay 2	19.5	23.8	23.2	24.1	-	-	-	-	-	-	22.6	8
45	Peru 2	18.1	18.3	16.8	18.0	-	-	-	-	-	-	17.8	3
46	Sri Lanka 1	-	-	-	-	-	-	-	-	-	-	-	-
47	Peru 1	12.7	39.1	40.1	95.5	-	-	-	-	-	-	46.8	64
48	Trinidad and Tobago 1	18.9	23.9	-	-	-	-	-	-	-	-	21.4	12
Average over all countries		25.2	26.5	25.6	26.2	26.5	23.0	24.9	22.8	19.7	20.8	25.5	11

Note: cv is coefficient of variation. Number following country name indicates DHS-I or DHS-II survey.

Table B.11.3 Some sample characteristics by region: Coefficient of variation of individual cluster size (number of women per cluster, b-bar), Demographic and Health Survey I

Deft rank (total sample)	Country	Region 1	2	3	4	5	6	7	8	9	10	Mean per region	Total sample
2	Indonesia 1	0.21	0.23	0.21	-	-	-	-	-	-	-	0.22	0.22
3	Mexico 1	0.72	0.44	0.43	0.64	0.58	0.53	0.53	0.55	0.80	-	0.58	0.65
5	Egypt 1	0.78	0.38	0.39	0.49	0.48	-	-	-	-	-	0.51	0.56
8	Thailand 1	0.24	0.22	0.32	0.24	0.46	-	-	-	-	-	0.30	0.32
9	Morocco 1	0.45	0.53	0.72	0.69	0.77	0.54	0.72	-	-	-	0.63	0.67
10	Kenya 1	0.67	0.58	0.52	0.58	0.69	0.68	0.38	-	-	-	0.59	0.62
12	Nigeria (Ondo) 1	0.66	0.61	0.51	-	-	-	-	-	-	-	0.59	0.63
15	Liberia 1	0.32	0.21	0.48	0.39	-	-	-	-	-	-	0.35	0.38
20	Tunisia 1	0.55	0.43	0.53	0.63	0.51	0.54	-	-	-	-	0.53	0.58
21	Colombia 1	0.55	0.48	0.52	0.46	0.46	-	-	-	-	-	0.50	0.53
23	Ghana 1	0.55	0.30	0.25	0.37	0.30	0.34	0.52	0.55	-	-	0.40	0.44
24	Botswana 1	-	-	-	-	-	-	-	-	-	-	-	0.63(a)
25	Guatemala 1	0.51	0.40	0.43	0.55	0.73	0.64	0.26	-	-	-	0.50	0.53
27	El Salvador 1	0.85	0.44	0.52	-	-	-	-	-	-	-	0.60	0.77
28	Togo 1	0.64	0.55	0.99	0.61	0.47	-	-	-	-	-	0.65	0.64
29	Burundi 1	0.47	0.40	0.27	0.32	0.30	-	-	-	-	-	0.35	0.46
30	Ecuador 1	0.37	0.32	0.58	0.37	0.47	0.37	-	-	-	-	0.41	0.44
32	Mali 1	0.71	0.60	0.79	0.81	-	-	-	-	-	-	0.73	0.71
33	Bolivia 1	0.52	0.37	0.36	-	-	-	-	-	-	-	0.42	0.43
34	Brazil 1	0.41	0.38	0.39	0.36	0.43	0.31	-	-	-	-	0.38	0.40
35	Sudan 1	0.71	0.22	0.76	0.37	0.45	0.40	-	-	-	-	0.48	0.52
37	Zimbabwe 1	0.37	0.66	0.61	0.41	0.43	0.36	0.46	0.44	0.49	0.45	0.47	0.50
38	Senegal 1	0.46	0.45	0.40	0.56	-	-	-	-	-	-	0.47	0.48
39	Dominican Republic 1	0.54	0.59	0.43	0.44	0.52	0.63	0.44	0.49	-	-	0.51	0.52
40	Uganda 1	0.22	0.46	0.48	0.37	0.48	0.26	-	-	-	-	0.38	0.49
46	Sri Lanka 1	-	-	-	-	-	-	-	-	-	-	-	0.48(a)
47	Peru 1	0.85	0.48	0.49	0.25	-	-	-	-	-	-	0.51	1.06(a)
48	Trinidad and Tobago 1	0.33	0.35	-	-	-	-	-	-	-	-	0.34	0.37
Average cv												0.44	0.51

Note: Countries are arranged according to overall deft averaged over all variables. cv is coefficient of variation. Number following country name indicates DHS-I or DHS-II survey.

(a) Case excluded from averages

Table B.12.1 Variation of deft by region, compared with total sample defts, averaged over 10 main variables, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Region 1	2	3	4	5	6	7	8	9	10	Average over regions	cv (percent)
1	Nigeria 2	0.85	0.86	1.12	0.83	-	-	-	-	-	-	0.91	13
2	Indonesia 1	0.91	1.02	0.80	-	-	-	-	-	-	-	0.91	10
3	Mexico 1	0.71	0.98	0.87	1.10	0.93	1.03	0.63	0.99	0.84	-	0.90	16
4	Indonesia 2	0.69	0.78	0.69	0.60	0.74	0.75	0.83	0.82	-	-	0.74	9
5	Egypt 1	0.82	0.90	0.81	0.95	0.88	-	-	-	-	-	0.87	6
6	Colombia 2	0.93	0.83	0.87	0.90	0.99	-	-	-	-	-	0.90	6
7	Northeast Brazil 2	1.07	0.68	0.73	0.61	0.70	0.99	0.80	0.67	0.73	-	0.78	19
8	Thailand 1	1.20	0.85	0.84	0.83	0.74	-	-	-	-	-	0.89	18
9	Morocco 1	1.11	0.89	0.84	1.02	1.00	1.08	0.80	-	-	-	0.96	12
10	Kenya 1	0.78	1.01	1.09	0.79	0.85	0.89	0.88	-	-	-	0.90	12
11	Tanzania 2	0.83	1.00	0.94	0.82	0.96	0.81	-	-	-	-	0.89	8
12	Nigeria 1 (Ondo)	1.07	0.99	0.79	-	-	-	-	-	-	-	0.95	12
13	Niger 2	0.89	0.99	0.91	0.91	1.05	0.84	-	-	-	-	0.93	7
14	Dominican Republic 2	0.77	0.89	0.82	1.11	0.93	0.90	1.06	0.89	-	-	0.92	12
15	Liberia 1	0.86	0.94	0.88	0.86	-	-	-	-	-	-	0.89	4
16	Pakistan 2	0.82	0.89	0.94	1.74	-	-	-	-	-	-	1.10	34
17	Morocco 2	1.01	1.01	0.98	0.70	0.78	1.03	0.97	-	-	-	0.92	13
18	Burkina Faso 2	0.89	0.96	0.87	0.98	0.93	-	-	-	-	-	0.93	5
19	Cameroon 2	1.00	0.78	0.81	0.90	0.76	-	-	-	-	-	0.85	11
20	Tunisia 1	0.79	1.20	0.98	1.08	0.93	0.89	-	-	-	-	0.98	13
21	Colombia 1	1.08	0.92	0.97	0.90	0.82	-	-	-	-	-	0.94	9
22	Egypt 2	0.95	0.91	0.96	1.02	0.90	-	-	-	-	-	0.95	5
23	Ghana 1	0.67	0.79	0.84	0.92	0.83	1.00	1.15	1.03	-	-	0.91	16
24	Botswana 1	-	-	-	-	-	-	-	-	-	-	-	-
25	Guatemala 1	0.90	0.87	0.89	1.03	1.18	0.91	0.93	-	-	-	0.96	11
26	Madagascar 2	0.93	1.12	0.77	0.91	0.93	-	1.10	-	-	-	0.96	12
27	El Salvador 1	1.10	0.95	0.89	-	-	-	-	-	-	-	0.98	9
28	Togo 1	0.95	0.93	0.94	0.93	0.88	-	-	-	-	-	0.93	3
29	Burundi 1	1.01	0.92	0.85	0.97	0.98	-	-	-	-	-	0.95	6
30	Ecuador 1	0.92	1.01	1.07	0.83	0.94	0.96	-	-	-	-	0.95	8
31	Rwanda 2	1.07	0.99	1.06	0.79	0.95	-	-	-	-	-	0.97	11
32	Mali 1	0.98	0.94	1.08	0.82	-	-	-	-	-	-	0.96	10
33	Bolivia 1	0.96	1.01	0.98	-	-	-	-	-	-	-	0.98	2
34	Brazil 1	0.85	0.98	0.91	1.15	1.00	0.99	-	-	-	-	0.98	10
35	Sudan 1	0.89	1.01	0.97	0.89	0.95	0.97	-	-	-	-	0.95	5
36	Namibia 2	0.89	0.98	0.95	1.01	-	-	-	-	-	-	0.96	4
37	Zimbabwe 1	0.98	0.94	0.93	1.00	0.74	0.97	0.92	1.01	0.89	1.01	0.94	8
38	Senegal 1	1.00	0.97	0.90	0.98	-	-	-	-	-	-	0.96	4
39	Dominican Republic 1	0.88	0.76	0.85	0.87	0.88	0.92	0.85	0.89	-	-	0.86	5
40	Uganda 1	0.73	0.80	0.99	0.82	1.04	0.95	-	-	-	-	0.89	13
41	Senegal 2	0.89	1.12	0.85	1.03	-	-	-	-	-	-	0.97	11
42	Jordan 2	0.98	1.07	0.86	0.95	0.97	-	-	-	-	-	0.97	7
43	Zambia 2	1.06	0.89	0.90	1.20	0.95	1.00	0.83	0.95	0.97	-	0.97	11
44	Paraguay 2	0.96	1.01	0.91	1.03	-	-	-	-	-	-	0.98	5
45	Peru 2	0.92	1.01	1.04	1.18	-	-	-	-	-	-	1.04	9
46	Sri Lanka 1	-	-	-	-	-	-	-	-	-	-	-	-
47	Peru 1	0.97	1.02	0.94	0.90	-	-	-	-	-	-	0.96	5
48	Trinidad and Tobago 1	1.02	0.99	-	-	-	-	-	-	-	-	1.00	2
Average over all countries and regions												0.93	9

Note: Computed ratios of regional to total sample deft. cv is coefficient of variation. Number following country name indicates DHS-I or DHS-II survey.

Table B.12.2 Variation of deft by region, compared with total sample defts, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Region										Average over regions	cv (percent)
		1	2	3	4	5	6	7	8	9	10		
1	Nigeria 2	0.99	0.83	0.95	1.02	-	-	-	-	-	-	0.95	8
2	Indonesia 1	0.91	1.11	0.93	-	-	-	-	-	-	-	0.98	9
3	Mexico 1	0.92	1.16	1.00	1.37	0.96	1.16	0.74	1.11	0.85	-	1.03	17
4	Indonesia 2	0.96	1.07	0.96	0.84	1.03	1.04	1.10	1.05	-	-	1.00	8
5	Egypt 1	0.80	0.89	0.82	0.97	0.89	-	-	-	-	-	0.87	7
6	Colombia 2	1.04	0.87	0.80	0.91	1.06	-	-	-	-	-	0.94	10
7	Northeast Brazil 2	0.92	0.83	0.83	0.71	0.89	1.04	0.93	0.83	0.76	-	0.86	11
8	Thailand 1	1.24	0.92	0.86	0.97	0.88	-	-	-	-	-	0.97	14
9	Morocco 1	1.11	0.89	0.84	1.02	1.00	1.08	0.80	-	-	-	0.96	12
10	Kenya 1	0.99	0.95	0.95	0.90	0.94	0.86	0.96	-	-	-	0.94	4
11	Tanzania 2	0.90	0.98	1.01	0.68	1.00	0.90	-	-	-	-	0.91	12
12	Nigeria 1 (Ondo)	1.07	0.99	0.79	-	-	-	-	-	-	-	0.95	12
13	Niger 2	1.00	1.06	0.95	0.95	1.15	0.88	-	-	-	-	1.00	9
14	Dominican Republic 2	0.97	1.01	0.95	0.89	1.17	1.09	0.95	0.95	-	-	1.00	9
15	Liberia 1	0.98	1.06	1.00	0.98	-	-	-	-	-	-	1.01	4
16	Pakistan 2	0.96	1.07	1.02	1.40	-	-	-	-	-	-	1.11	15
17	Morocco 2	1.01	1.01	0.98	0.70	0.78	1.03	0.97	-	-	-	0.92	13
18	Burkina Faso 2	0.98	1.00	0.93	0.98	1.00	-	-	-	-	-	0.98	3
19	Cameroon 2	1.04	0.83	0.83	0.95	0.82	-	-	-	-	-	0.89	10
20	Tunisia 1	0.79	1.20	0.98	1.08	0.93	0.89	-	-	-	-	0.98	13
21	Colombia 1	1.11	0.95	1.00	0.92	0.85	-	-	-	-	-	0.96	9
22	Egypt 2	0.89	0.91	0.99	1.00	0.93	-	-	-	-	-	0.95	5
23	Ghana 1	0.67	0.79	0.84	0.92	0.83	1.00	1.15	1.03	-	-	0.91	16
24	Botswana 1	-	-	-	-	-	-	-	-	-	-	-	-
25	Guatemala 1	0.90	0.87	0.89	1.03	1.18	0.91	0.93	-	-	-	0.96	11
26	Madagascar 2	0.92	1.14	0.77	0.92	0.95	-	1.08	-	-	-	0.96	12
27	El Salvador 1	1.04	0.99	0.93	-	-	-	-	-	-	-	0.99	5
28	Togo 1	0.95	0.93	0.94	0.93	0.88	-	-	-	-	-	0.93	3
29	Burundi 1	0.81	0.97	0.89	1.02	1.04	-	-	-	-	-	0.95	9
30	Ecuador 1	0.92	1.01	1.07	0.83	0.94	0.96	-	-	-	-	0.95	8
31	Rwanda 2	0.99	1.02	1.10	0.80	0.97	-	-	-	-	-	0.97	10
32	Mali 1	1.00	0.95	1.10	0.90	-	-	-	-	-	-	0.99	8
33	Bolivia 1	1.02	0.97	0.98	-	-	-	-	-	-	-	0.99	2
34	Brazil 1	0.90	1.04	0.96	1.22	1.06	1.05	-	-	-	-	1.04	10
35	Sudan 1	0.89	1.01	0.97	0.89	0.95	0.97	-	-	-	-	0.95	5
36	Namibia 2	0.92	0.97	0.98	1.03	-	-	-	-	-	-	0.97	4
37	Zimbabwe 1	0.98	0.94	0.93	1.00	0.74	0.97	0.92	1.01	0.89	1.01	0.94	8
38	Senegal 1	1.00	0.97	0.90	0.98	-	-	-	-	-	-	0.96	4
39	Dominican Republic 1	1.02	0.89	0.98	1.00	1.02	1.07	0.99	1.03	-	-	1.00	5
40	Uganda 1	0.81	0.86	0.95	0.91	1.10	1.05	-	-	-	-	0.95	11
41	Senegal 2	0.89	1.12	0.85	1.03	-	-	-	-	-	-	0.97	11
42	Jordan 2	1.01	1.08	0.89	0.92	1.01	-	-	-	-	-	0.99	7
43	Zambia 2	1.08	0.91	0.92	1.20	0.97	1.02	0.77	0.96	0.98	-	0.98	11
44	Paraguay 2	1.01	1.06	0.96	1.08	-	-	-	-	-	-	1.03	5
45	Peru 2	0.98	1.06	1.09	1.06	-	-	-	-	-	-	1.05	4
46	Sri Lanka 1	-	-	-	-	-	-	-	-	-	-	-	-
47	Peru 1	0.97	1.02	0.94	0.90	-	-	-	-	-	-	0.96	5
48	Trinidad and Tobago 1	1.02	0.99	-	-	-	-	-	-	-	-	1.00	2
Average over all countries and regions												0.96	8

Note: Ratio of defts after removing the effect of weights. cv is coefficient of variation. Numbers following country name indicates DHS-I or DHS-II survey.

Table B.13.1 Roh computed from modeled deft for total sample, by country and variable group, Demographic and Health Surveys I and II

Deft rank (total sample)	Variable	Deft rank (total) 1 Nigeria 2	2 Indonesia 1	3 Mexico 1	4 Indonesia 2	5 Egypt 1	6 Colombia 2	7 Northeast Brazil 2	8 Thailand 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.24**	**0.38**	**0.14**	**0.18**	**0.25**	**0.13**	**0.19**	**0.20**	**0.169**	
28	Immunized	0.35	0.57	0.18	0.24	0.35	0.17	0.26	0.27	0.22	0.110
1	Medically delivered	0.25	0.33	0.20	0.26	0.23	0.16	0.28	0.24	0.22	0.805
25	Have health card	0.25	0.40	0.13	0.16	0.25	0.12	0.17	0.19	0.16	0.150
32	Given ORS	0.24	0.41	0.09	0.12	0.25	0.10	0.11	0.16	0.13	0.123
3	Mother received tetanus	0.14	0.19	0.11	0.14	0.14	0.09	0.15	0.13	0.12	0.806
	Contraceptive knowledge	**0.16**	**0.22**	**0.13**	**0.16**	**0.15**	**0.10**	**0.17**	**0.15**	**0.139**	
2	Know a modern method	0.18	0.24	0.14	0.17	0.17	0.11	0.19	0.17	0.15	0.701
4	Know a method	0.16	0.22	0.13	0.16	0.16	0.10	0.17	0.15	0.14	0.697
5	Know source for method	0.14	0.20	0.11	0.14	0.14	0.09	0.15	0.13	0.12	0.712
	Background or "life-time" variables	**0.10**	**0.15**	**0.06**	**0.08**	**0.10**	**0.06**	**0.08**	**0.08**	**0.073**	
8	Ever used a method	0.11	0.15	0.08	0.10	0.10	0.07	0.10	0.10	0.09	0.705
6	Illiterate	0.10	0.13	0.07	0.09	0.09	0.06	0.10	0.09	0.08	1.000
31	Children born to 40-49	0.16	0.27	0.06	0.07	0.17	0.07	0.07	0.10	0.08	0.172
9	Ideal family size	0.08	0.12	0.06	0.07	0.08	0.05	0.08	0.07	0.07	0.866
10	Age at marriage	0.07	0.10	0.04	0.05	0.07	0.04	0.05	0.05	0.05	0.730
	Current use of contraception	**0.05**	**0.08**	**0.03**	**0.04**	**0.06**	**0.03**	**0.04**	**0.04**	**0.037**	
11	Using any method	0.07	0.10	0.04	0.05	0.07	0.04	0.05	0.06	0.05	0.705
20	Using public source	0.05	0.07	0.02	0.03	0.05	0.02	0.03	0.03	0.03	0.708
14	Using modern method	0.06	0.09	0.03	0.04	0.06	0.03	0.04	0.04	0.04	0.697
15	Using IUD	0.06	0.08	0.03	0.04	0.06	0.03	0.04	0.04	0.04	0.708
17	Using pill	0.05	0.08	0.03	0.04	0.06	0.03	0.04	0.04	0.04	0.690
18	Using condom	0.05	0.08	0.03	0.03	0.06	0.03	0.03	0.04	0.03	0.676
21	Sterilized	0.05	0.08	0.03	0.03	0.05	0.03	0.03	0.04	0.03	0.673
	Child health	**0.06**	**0.10**	**0.03**	**0.03**	**0.07**	**0.03**	**0.03**	**0.04**	**0.035**	
26	Height for age	0.08	0.13	0.04	0.05	0.09	0.04	0.05	0.06	0.05	0.377
30	Weight for age	0.07	0.12	0.03	0.04	0.08	0.03	0.04	0.05	0.04	0.377
23	Had diarrhea	0.04	0.07	0.02	0.03	0.05	0.02	0.03	0.03	0.03	0.693
35	Weight for height	0.05	0.10	0.01	0.01	0.06	0.02	0.00	0.02	0.02	0.346
	Fertility related	**0.03**	**0.05**	**0.02**	**0.02**	**0.03**	**0.02**	**0.02**	**0.02**	**0.020**	
12	Births in last 5 years	0.04	0.06	0.02	0.03	0.04	0.02	0.03	0.03	0.03	1.000
13	Married	0.04	0.06	0.02	0.03	0.04	0.02	0.03	0.03	0.03	1.000
16	Children 0-4 years	0.04	0.06	0.02	0.03	0.04	0.02	0.03	0.03	0.03	1.000
19	Births 1-4 years	0.03	0.05	0.02	0.02	0.04	0.02	0.02	0.03	0.02	1.000
22	Children ever born	0.03	0.05	0.02	0.02	0.03	0.02	0.02	0.02	0.02	1.000
24	Children weighed	0.03	0.05	0.01	0.02	0.03	0.02	0.02	0.02	0.02	1.000
29	Births 5-9 years	0.03	0.04	0.01	0.01	0.03	0.01	0.01	0.02	0.01	1.000
36	Children 1-2 years	0.01	0.03	0.00	0.00	0.02	0.01	0.00	0.01	0.01	1.000
	Current fertility intentions	**0.04**	**0.06**	**0.01**	**0.02**	**0.04**	**0.02**	**0.02**	**0.02**	**0.019**	
27	Want no more children	0.04	0.07	0.02	0.02	0.04	0.02	0.02	0.03	0.02	0.705
33	Want to delay next birth	0.03	0.05	0.01	0.01	0.04	0.01	0.01	0.02	0.01	0.705
	Infant mortality	**0.03**	**0.04**	**0.01**	**0.01**	**0.03**	**0.01**	**0.01**	**0.02**	**0.014**	
7	Dead	0.03	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.998
34	IMR 1-4 years	0.03	0.06	0.01	0.01	0.04	0.01	0.01	0.02	0.02	0.638
37	IMR 5-9 years	0.02	0.04	0.00	0.00	0.03	0.01	0.00	0.01	0.01	0.643
Mean for all variables		0.08	0.12	0.05	0.06	0.08	0.04	0.06	0.06	0.061	0.711
n (women)		8,781	11,884	9,310	22,909	8,911	8,644	6,223	6,775	-	-
PSUs		294	400	374	1169	226	236	354	288	-	-
b-bar		29.9	29.7	24.9	19.6	39.4	36.6	17.6	23.5	-	-
Dw		1.36	1.20	1.43	1.39	1.03	1.20	1.29	1.21	-	-

Table B.13.1—Continued

Deft rank (total sample)	Variable	Deft rank (total) 9 Morocco 1	10 Kenya 1	11 Tanzania 2	12 Nigeria (Ondo) 1	13 Niger 2	14 Dominican Republic 2	15 Liberia 1	16 Pakistan 2	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.33**	**0.23**	**0.13**	**0.17**	**0.20**	**0.08**	**0.15**	**0.10**	**0.169**	
28	Immunized	0.50	0.32	0.15	0.24	0.28	0.06	0.19	0.07	0.22	0.110
1	Medically delivered	0.31	0.30	0.19	0.18	0.22	0.21	0.18	0.23	0.22	0.805
25	Have health card	0.34	0.20	0.11	0.18	0.19	0.05	0.14	0.06	0.16	0.150
32	Given ORS	0.35	0.14	0.08	0.17	0.18	0.00	0.12	0.00	0.13	0.123
3	Mother received tetanus	0.18	0.16	0.10	0.10	0.13	0.11	0.10	0.12	0.12	0.806
	Contraceptive knowledge	**0.20**	**0.19**	**0.12**	**0.12**	**0.14**	**0.12**	**0.11**	**0.14**	**0.139**	
2	Know a modern method	0.22	0.21	0.13	0.13	0.16	0.14	0.12	0.15	0.15	0.701
4	Know a method	0.20	0.19	0.12	0.12	0.14	0.12	0.11	0.14	0.14	0.697
5	Know source for method	0.18	0.16	0.10	0.10	0.13	0.11	0.10	0.12	0.12	0.712
	Background or "life-time" variables	**0.14**	**0.09**	**0.06**	**0.08**	**0.08**	**0.04**	**0.06**	**0.05**	**0.073**	
8	Ever used a method	0.14	0.11	0.07	0.08	0.09	0.07	0.07	0.08	0.09	0.705
6	Illiterate	0.12	0.11	0.07	0.07	0.09	0.07	0.07	0.08	0.08	1.000
31	Children born to 40-49	0.23	0.08	0.05	0.12	0.12	0.00	0.08	0.00	0.08	0.172
9	Ideal family size	0.11	0.09	0.05	0.06	0.07	0.05	0.06	0.06	0.07	0.866
10	Age at marriage	0.09	0.06	0.04	0.05	0.05	0.03	0.04	0.03	0.05	0.730
	Current use of contraception	**0.07**	**0.04**	**0.03**	**0.04**	**0.04**	**0.02**	**0.03**	**0.02**	**0.037**	
11	Using any method	0.09	0.06	0.04	0.05	0.06	0.03	0.04	0.04	0.05	0.705
20	Using public source	0.06	0.03	0.02	0.04	0.04	0.01	0.03	0.01	0.03	0.708
14	Using modern method	0.08	0.05	0.03	0.04	0.05	0.02	0.04	0.02	0.04	0.697
15	Using IUD	0.07	0.04	0.03	0.04	0.04	0.02	0.03	0.02	0.04	0.708
17	Using pill	0.07	0.04	0.03	0.04	0.04	0.02	0.03	0.02	0.04	0.690
18	Using condom	0.07	0.04	0.03	0.04	0.04	0.02	0.03	0.02	0.03	0.676
21	Sterilized	0.07	0.03	0.02	0.04	0.04	0.01	0.03	0.01	0.03	0.673
	Child health	**0.09**	**0.03**	**0.02**	**0.05**	**0.05**	**0.01**	**0.03**	**0.01**	**0.035**	
26	Height for age	0.11	0.05	0.04	0.06	0.06	0.01	0.05	0.02	0.05	0.377
30	Weight for age	0.10	0.04	0.03	0.06	0.05	0.00	0.04	0.00	0.04	0.377
23	Had diarrhea	0.06	0.03	0.02	0.03	0.04	0.01	0.03	0.01	0.03	0.693
35	Weight for height	0.08	0.01	0.01	0.04	0.03	0.00	0.02	0.00	0.02	0.346
	Fertility related	**0.04**	**0.02**	**0.01**	**0.02**	**0.03**	**0.01**	**0.02**	**0.01**	**0.020**	
12	Births in last 5 years	0.05	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.03	1.000
13	Married	0.05	0.03	0.02	0.03	0.03	0.01	0.02	0.02	0.03	1.000
16	Children 0-4 years	0.05	0.03	0.02	0.03	0.03	0.01	0.02	0.01	0.03	1.000
19	Births 1-4 years	0.05	0.03	0.02	0.03	0.03	0.01	0.02	0.01	0.02	1.000
22	Children ever born	0.04	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.02	1.000
24	Children weighed	0.04	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.02	1.000
29	Births 5-9 years	0.04	0.01	0.01	0.02	0.02	0.00	0.01	0.00	0.01	1.000
36	Children 1-2 years	0.02	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.01	1.000
	Current fertility intentions	**0.05**	**0.02**	**0.01**	**0.03**	**0.03**	**0.00**	**0.02**	**0.00**	**0.019**	
27	Want no more children	0.06	0.03	0.02	0.03	0.03	0.01	0.02	0.01	0.02	0.705
33	Want to delay next birth	0.04	0.01	0.01	0.02	0.02	0.00	0.02	0.00	0.01	0.705
	Infant mortality	**0.04**	**0.01**	**0.01**	**0.02**	**0.02**	**0.01**	**0.01**	**0.01**	**0.014**	
7	Dead	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.998
34	IMR 1-4 years	0.05	0.01	0.01	0.03	0.02	0.00	0.02	0.00	0.02	0.638
37	IMR 5-9 years	0.03	0.00	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.643
Mean for all variables		0.12	0.08	0.05	0.06	0.07	0.03	0.05	0.04	0.061	0.754
n (women)		5,982	7,150	9,238	4,213	6,503	7,320	5,239	6,611	-	-
PSUs		212	442	346	90	228	387	156	389	-	-
b-bar		28.2	16.2	26.7	46.8	28.5	18.9	33.6	17.0	-	-
Dw		1.00	1.27	1.25	1.00	1.12	1.35	1.13	1.34	-	-

Table B.13.1—Continued

Deft rank (total sample)	Variable	Deft rank (total) 17 Morocco 2	18 Burkina Faso 2	19 Cameroon 2	20 Tunisia 1	21 Colombia 1	22 Egypt 2	23 Ghana 1	24 Botswana 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.16**	**0.19**	**0.21**	**0.27**	**0.21**	**0.19**	**0.22**	**0.14**	**0.169**	
28	Immunized	0.22	0.26	0.29	0.40	0.29	0.26	0.31	0.19	0.22	0.110
1	Medically delivered	0.17	0.22	0.23	0.27	0.23	0.24	0.23	0.19	0.22	0.805
25	Have health card	0.16	0.18	0.20	0.28	0.20	0.18	0.22	0.13	0.16	0.150
32	Given ORS	0.16	0.16	0.18	0.27	0.19	0.15	0.21	0.11	0.13	0.123
3	Mother received tetanus	0.10	0.12	0.13	0.16	0.13	0.13	0.13	0.11	0.12	0.806
	Contraceptive knowledge	**0.11**	**0.14**	**0.15**	**0.18**	**0.15**	**0.15**	**0.15**	**0.12**	**0.139**	
2	Know a modern method	0.12	0.15	0.16	0.19	0.16	0.17	0.17	0.13	0.15	0.701
4	Know a method	0.11	0.14	0.15	0.18	0.15	0.15	0.15	0.12	0.14	0.697
5	Know source for method	0.10	0.12	0.13	0.16	0.13	0.13	0.14	0.11	0.12	0.712
	Background or "life-time" variables	**0.07**	**0.08**	**0.09**	**0.11**	**0.09**	**0.08**	**0.09**	**0.06**	**0.073**	
8	Ever used a method	0.07	0.09	0.10	0.12	0.09	0.10	0.10	0.08	0.09	0.705
6	Illiterate	0.07	0.08	0.09	0.11	0.09	0.09	0.09	0.07	0.08	1.000
31	Children born to 40-49	0.11	0.11	0.12	0.18	0.13	0.10	0.14	0.07	0.08	0.172
9	Ideal family size	0.06	0.07	0.07	0.09	0.07	0.07	0.08	0.06	0.07	0.866
10	Age at marriage	0.05	0.05	0.06	0.07	0.06	0.05	0.06	0.04	0.05	0.730
	Current use of contraception	**0.04**	**0.04**	**0.05**	**0.06**	**0.05**	**0.04**	**0.05**	**0.03**	**0.037**	
11	Using any method	0.05	0.05	0.06	0.07	0.06	0.05	0.06	0.04	0.05	0.705
20	Using public source	0.03	0.03	0.04	0.05	0.04	0.03	0.04	0.03	0.03	0.708
14	Using modern method	0.04	0.04	0.05	0.06	0.05	0.04	0.05	0.03	0.04	0.697
15	Using IUD	0.04	0.04	0.05	0.06	0.05	0.04	0.05	0.03	0.04	0.708
17	Using pill	0.04	0.04	0.05	0.06	0.05	0.04	0.05	0.03	0.04	0.690
18	Using condom	0.04	0.04	0.04	0.06	0.04	0.04	0.05	0.03	0.03	0.676
21	Sterilized	0.03	0.04	0.04	0.05	0.04	0.03	0.04	0.03	0.03	0.673
	Child health	**0.04**	**0.04**	**0.05**	**0.07**	**0.05**	**0.04**	**0.06**	**0.03**	**0.035**	
26	Height for age	0.06	0.06	0.07	0.09	0.07	0.06	0.07	0.04	0.05	0.377
30	Weight for age	0.05	0.05	0.06	0.08	0.06	0.04	0.06	0.04	0.04	0.377
23	Had diarrhea	0.03	0.03	0.04	0.05	0.04	0.03	0.04	0.02	0.03	0.693
35	Weight for height	0.04	0.03	0.04	0.06	0.04	0.02	0.04	0.02	0.02	0.346
	Fertility related	**0.02**	**0.02**	**0.03**	**0.03**	**0.03**	**0.02**	**0.03**	**0.02**	**0.020**	
12	Births in last 5 years	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	1.000
13	Married	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	1.000
16	Children 0-4 years	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	1.000
19	Births 1-4 years	0.02	0.03	0.03	0.04	0.03	0.02	0.03	0.02	0.02	1.000
22	Children ever born	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.02	0.02	1.000
24	Children weighed	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	1.000
29	Births 5-9 years	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.01	0.01	1.000
36	Children 1-2 years	0.01	0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.01	1.000
	Current fertility intentions	**0.03**	**0.02**	**0.03**	**0.04**	**0.03**	**0.02**	**0.03**	**0.02**	**0.019**	
27	Want no more children	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.02	0.705
33	Want to delay next birth	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.01	0.01	0.705
	Infant mortality	**0.02**	**0.02**	**0.02**	**0.03**	**0.02**	**0.01**	**0.02**	**0.01**	**0.014**	
7	Dead	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	2.998
34	IMR 1-4 years	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.01	0.02	0.638
37	IMR 5-9 years	0.02	0.01	0.01	0.02	0.01	0.00	0.02	0.00	0.01	0.643
Mean for all variables		0.06	0.07	0.07	0.10	0.07	0.07	0.08	0.05	0.061	0.754
n (women)		9,256	6,354	3,871	4,184	5,329	9,864	4,488	4,368	-	-
PSUs		200	224	142	156	180	436	150	154	-	-
b-bar		46.3	28.4	27.3	26.8	29.6	22.6	29.9	28.4	-	-
Dw		1.00	1.10	1.08	1.00	1.03	1.12	1.00	1.09	-	-

Table B.13.1—Continued

Deft rank (total sample)	Variable	Deft rank (total) 25 Guatemala 1	26 Madagascar 2	27 El Salvador 1	28 Togo 1	29 Burundi 1	30 Ecuador 1	31 Rwanda 2	32 Mali 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.31**	**0.15**	**0.07**	**0.28**	**0.15**	**0.23**	**0.12**	**0.15**	**0.169**	
28	Immunized	0.47	0.20	0.09	0.41	0.19	0.32	0.14	0.19	0.22	0.110
1	Medically delivered	0.31	0.19	0.10	0.29	0.20	0.26	0.16	0.23	0.22	0.805
25	Have health card	0.31	0.14	0.07	0.28	0.14	0.22	0.11	0.13	0.16	0.150
32	Given ORS	0.29	0.12	0.06	0.26	0.11	0.20	0.08	0.09	0.13	0.123
3	Mother received tetanus	0.18	0.11	0.06	0.16	0.11	0.14	0.09	0.12	0.12	0.806
	Contraceptive knowledge	**0.20**	**0.12**	**0.06**	**0.19**	**0.12**	**0.16**	**0.10**	**0.14**	**0.139**	
2	Know a modern method	0.22	0.13	0.07	0.21	0.14	0.18	0.11	0.15	0.15	0.701
4	Know a method	0.20	0.12	0.06	0.19	0.12	0.16	0.10	0.14	0.14	0.697
5	Know source for method	0.18	0.11	0.06	0.17	0.11	0.14	0.09	0.12	0.12	0.712
	Background or "life-time" variables	**0.12**	**0.07**	**0.03**	**0.11**	**0.07**	**0.09**	**0.05**	**0.07**	**0.073**	
8	Ever used a method	0.13	0.08	0.04	0.12	0.08	0.10	0.06	0.08	0.09	0.705
6	Illiterate	0.12	0.07	0.04	0.11	0.07	0.10	0.06	0.08	0.08	1.000
31	Children born to 40-49	0.19	0.08	0.04	0.16	0.07	0.13	0.06	0.06	0.08	0.172
9	Ideal family size	0.10	0.06	0.03	0.09	0.06	0.08	0.05	0.06	0.07	0.866
10	Age at marriage	0.08	0.04	0.02	0.07	0.04	0.06	0.03	0.04	0.05	0.730
	Current use of contraception	**0.06**	**0.03**	**0.02**	**0.06**	**0.03**	**0.05**	**0.03**	**0.03**	**0.037**	
11	Using any method	0.08	0.04	0.02	0.07	0.04	0.06	0.04	0.05	0.05	0.705
20	Using public source	0.05	0.03	0.02	0.05	0.03	0.04	0.02	0.03	0.03	0.708
14	Using modern method	0.07	0.04	0.02	0.06	0.04	0.05	0.03	0.04	0.04	0.697
15	Using IUD	0.06	0.03	0.02	0.06	0.03	0.05	0.03	0.03	0.04	0.708
17	Using pill	0.06	0.03	0.02	0.06	0.03	0.05	0.03	0.03	0.04	0.690
18	Using condom	0.06	0.03	0.02	0.05	0.03	0.05	0.02	0.03	0.03	0.676
21	Sterilized	0.06	0.03	0.02	0.05	0.03	0.04	0.02	0.03	0.03	0.673
	Child health	**0.07**	**0.03**	**0.02**	**0.06**	**0.03**	**0.05**	**0.02**	**0.02**	**0.035**	
26	Height for age	0.09	0.05	0.03	0.09	0.05	0.07	0.04	0.04	0.05	0.377
30	Weight for age	0.08	0.04	0.02	0.07	0.04	0.06	0.03	0.03	0.04	0.377
23	Had diarrhea	0.05	0.03	0.01	0.05	0.03	0.04	0.02	0.02	0.03	0.693
35	Weight for height	0.05	0.02	0.01	0.05	0.02	0.04	0.01	0.01	0.02	0.346
	Fertility related	**0.04**	**0.02**	**0.01**	**0.03**	**0.02**	**0.03**	**0.01**	**0.02**	**0.020**	
12	Births in last 5 years	0.05	0.03	0.01	0.04	0.03	0.04	0.02	0.03	0.03	1.000
13	Married	0.05	0.03	0.01	0.04	0.02	0.04	0.02	0.02	0.03	1.000
16	Children 0-4 years	0.04	0.02	0.01	0.04	0.02	0.03	0.02	0.02	0.03	1.000
19	Births 1-4 years	0.04	0.02	0.01	0.04	0.02	0.03	0.02	0.02	0.02	1.000
22	Children ever born	0.04	0.02	0.01	0.03	0.02	0.03	0.01	0.02	0.02	1.000
24	Children weighed	0.03	0.02	0.01	0.03	0.02	0.03	0.01	0.01	0.02	1.000
29	Births 5-9 years	0.03	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.01	1.000
36	Children 1-2 years	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	1.000
	Current fertility intentions	**0.04**	**0.02**	**0.01**	**0.04**	**0.02**	**0.03**	**0.01**	**0.01**	**0.019**	
27	Want no more children	0.05	0.02	0.01	0.04	0.02	0.03	0.02	0.02	0.02	0.705
33	Want to delay next birth	0.03	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.705
	Infant mortality	**0.03**	**0.01**	**0.01**	**0.02**	**0.01**	**0.02**	**0.01**	**0.01**	**0.014**	
7	Dead	0.03	0.02	0.01	0.03	0.02	0.02	0.01	0.02	0.02	2.998
34	IMR 1-4 years	0.03	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.02	0.638
37	IMR 5-9 years	0.02	0.01	0.00	0.02	0.00	0.01	0.00	0.00	0.01	0.643
Mean for all variables		0.11	0.06	0.03	0.10	0.05	0.08	0.04	0.05	0.061	0.754
n (women)		5,160	6,260	5,207	3,360	3,970	4,713	6,551	3,200	-	-
PSUs		242	212	88	152	144	194	190	148	-	-
b-bar		21.3	29.5	59.2	22.1	27.6	24.3	34.5	21.6	-	-
Dw		1.00	1.06	1.03	1.00	1.06	1.00	1.04	1.10	-	-

Table B.13.1—Continued

Deft rank (total sample)	Variable	Deft rank (total) 33 Bolivia 1	34 Brazil 1	35 Sudan 1	36 Namibia 2	37 Zimbabwe 1	38 Senegal 1	39 Dominican Republic 1	40 Uganda 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.12**	**0.27**	**0.30**	**0.11**	**0.18**	**0.12**	**0.09**	**0.08**	**0.169**	
28	Immunized	0.03	0.40	0.45	0.14	0.24	0.15	0.00	0.07	0.22	0.110
1	Medically delivered	0.33	0.32	0.32	0.16	0.22	0.17	0.29	0.18	0.22	0.805
25	Have health card	0.05	0.25	0.29	0.10	0.17	0.11	0.02	0.06	0.16	0.150
32	Given ORS	0.00	0.20	0.26	0.08	0.14	0.09	0.00	0.00	0.13	0.123
3	Mother received tetanus	0.17	0.17	0.18	0.09	0.12	0.09	0.15	0.09	0.12	0.806
	Contraceptive knowledge	**0.19**	**0.20**	**0.20**	**0.10**	**0.14**	**0.10**	**0.17**	**0.11**	**0.139**	
2	Know a modern method	0.21	0.22	0.22	0.11	0.15	0.11	0.19	0.12	0.15	0.701
4	Know a method	0.19	0.20	0.20	0.10	0.14	0.10	0.17	0.11	0.14	0.697
5	Know source for method	0.16	0.17	0.18	0.09	0.12	0.09	0.14	0.09	0.12	0.712
	Background or "life-time" variables	**0.07**	**0.10**	**0.12**	**0.05**	**0.08**	**0.05**	**0.06**	**0.04**	**0.073**	
8	Ever used a method	0.11	0.12	0.13	0.06	0.09	0.06	0.09	0.06	0.09	0.705
6	Illiterate	0.11	0.11	0.12	0.06	0.08	0.06	0.09	0.06	0.08	1.000
31	Children born to 40-49	0.00	0.12	0.16	0.05	0.09	0.06	0.00	0.01	0.08	0.172
9	Ideal family size	0.08	0.09	0.10	0.05	0.07	0.05	0.07	0.05	0.07	0.866
10	Age at marriage	0.04	0.07	0.07	0.03	0.05	0.04	0.04	0.03	0.05	0.730
	Current use of contraception	**0.02**	**0.05**	**0.06**	**0.03**	**0.04**	**0.03**	**0.02**	**0.02**	**0.037**	
11	Using any method	0.04	0.07	0.08	0.03	0.05	0.04	0.04	0.03	0.05	0.705
20	Using public source	0.01	0.04	0.05	0.02	0.03	0.02	0.01	0.01	0.03	0.708
14	Using modern method	0.03	0.06	0.06	0.03	0.04	0.03	0.02	0.02	0.04	0.697
15	Using IUD	0.03	0.05	0.06	0.03	0.04	0.03	0.02	0.02	0.04	0.708
17	Using pill	0.02	0.05	0.06	0.03	0.04	0.03	0.02	0.02	0.04	0.690
18	Using condom	0.02	0.05	0.05	0.02	0.04	0.03	0.01	0.02	0.03	0.676
21	Sterilized	0.01	0.04	0.05	0.02	0.03	0.02	0.01	0.01	0.03	0.673
	Child health	**0.00**	**0.05**	**0.06**	**0.02**	**0.04**	**0.03**	**0.00**	**0.01**	**0.035**	
26	Height for age	0.01	0.07	0.08	0.03	0.05	0.04	0.00	0.02	0.05	0.377
30	Weight for age	0.00	0.05	0.07	0.03	0.04	0.03	0.00	0.01	0.04	0.377
23	Had diarrhea	0.01	0.04	0.04	0.02	0.03	0.02	0.00	0.01	0.03	0.693
35	Weight for height	0.00	0.02	0.04	0.01	0.02	0.01	0.00	0.00	0.02	0.346
	Fertility related	**0.01**	**0.03**	**0.03**	**0.01**	**0.02**	**0.02**	**0.01**	**0.01**	**0.020**	
12	Births in last 5 years	0.02	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.03	1.000
13	Married	0.02	0.04	0.04	0.02	0.03	0.02	0.02	0.01	0.03	1.000
16	Children 0-4 years	0.02	0.03	0.04	0.02	0.03	0.02	0.01	0.01	0.03	1.000
19	Births 1-4 years	0.01	0.03	0.04	0.02	0.02	0.02	0.01	0.01	0.02	1.000
22	Children ever born	0.01	0.03	0.03	0.01	0.02	0.01	0.00	0.01	0.02	1.000
24	Children weighed	0.00	0.02	0.03	0.01	0.02	0.01	0.00	0.01	0.02	1.000
29	Births 5-9 years	0.00	0.02	0.02	0.01	0.02	0.01	0.00	0.00	0.01	1.000
36	Children 1-2 years	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	1.000
	Current fertility intentions	**0.00**	**0.03**	**0.03**	**0.01**	**0.02**	**0.01**	**0.00**	**0.00**	**0.019**	
27	Want no more children	0.00	0.03	0.04	0.02	0.03	0.02	0.00	0.01	0.02	0.705
33	Want to delay next birth	0.00	0.02	0.03	0.01	0.02	0.01	0.00	0.00	0.01	0.705
	Infant mortality	**0.01**	**0.02**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.00**	**0.014**	
7	Dead	0.02	0.03	0.03	0.01	0.02	0.02	0.02	0.01	0.02	2.998
34	IMR 1-4 years	0.00	0.02	0.03	0.01	0.02	0.01	0.00	0.00	0.02	0.638
37	IMR 5-9 years	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.643
Mean for all variables		0.05	0.09	0.10	0.04	0.06	0.04	0.04	0.03	0.061	0.754
n (women)		7,923	5,892	5860	5,421	4,201	4,415	7,645	4,730	-	-
PSUs		676	344	314	160	166	136	604	206	-	-
b-bar		11.7	17.1	18.7	33.9	25.3	32.5	12.7	23.0	-	-
Dw		1.21	1.06	1.00	1.03	1.00	1.00	1.16	1.11	-	-

Table B.13.1—Continued

Deft rank (total sample)	Variable	Deft rank (total) 41 Senegal 2	42 Jordan 2	43 Zambia 2	44 Paraguay 2	45 Peru 2	46 Sri Lanka 1	47 Peru 1	48 T&T 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.16**	**0.11**	**0.10**	**0.07**	**0.08**	**0.07**	**0.06**	**0.05**	**0.169**	
28	Immunized	0.21	0.12	0.11	0.06	0.04	0.03	0.05	0.00	0.22	0.110
1	Medically delivered	0.21	0.23	0.17	0.18	0.22	0.18	0.12	0.16	0.22	0.805
25	Have health card	0.15	0.09	0.09	0.05	0.04	0.03	0.04	0.00	0.16	0.150
32	Given ORS	0.11	0.02	0.05	0.00	0.00	0.00	0.01	0.00	0.13	0.123
3	Mother received tetanus	0.12	0.12	0.09	0.09	0.11	0.09	0.06	0.08	0.12	0.806
	Contraceptive knowledge	**0.13**	**0.13**	**0.10**	**0.10**	**0.12**	**0.10**	**0.07**	**0.09**	**0.139**	
2	Know a modern method	0.15	0.15	0.11	0.12	0.14	0.11	0.08	0.10	0.15	0.701
4	Know a method	0.13	0.14	0.10	0.11	0.13	0.10	0.07	0.09	0.14	0.697
5	Know source for method	0.12	0.12	0.09	0.09	0.11	0.09	0.06	0.08	0.12	0.712
	Background or "life-time" variables	**0.07**	**0.05**	**0.05**	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	**0.073**	
8	Ever used a method	0.08	0.08	0.06	0.06	0.07	0.06	0.04	0.05	0.09	0.705
6	Illiterate	0.08	0.08	0.06	0.06	0.07	0.06	0.04	0.05	0.08	1.000
31	Children born to 40-49	0.08	0.02	0.04	0.00	0.00	0.00	0.01	0.00	0.08	0.172
9	Ideal family size	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.04	0.07	0.866
10	Age at marriage	0.05	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.05	0.730
	Current use of contraception	**0.03**	**0.02**	**0.02**	**0.02**	**0.02**	**0.01**	**0.01**	**0.01**	**0.037**	
11	Using any method	0.05	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.05	0.705
20	Using public source	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.03	0.708
14	Using modern method	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.04	0.697
15	Using IUD	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.04	0.708
17	Using pill	0.04	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.04	0.690
18	Using condom	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.03	0.676
21	Sterilized	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.03	0.673
	Child health	**0.03**	**0.01**	**0.02**	**0.01**	**0.00**	**0.00**	**0.01**	**0.00**	**0.035**	
26	Height for age	0.05	0.02	0.03	0.01	0.01	0.01	0.01	0.00	0.05	0.377
30	Weight for age	0.04	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.04	0.377
23	Had diarrhea	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.00	0.03	0.693
35	Weight for height	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.346
	Fertility related	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.00**	**0.020**	
12	Births in last 5 years	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.03	1.000
13	Married	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.03	1.000
16	Children 0-4 years	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.03	1.000
19	Births 1-4 years	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.02	1.000
22	Children ever born	0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.02	1.000
24	Children weighed	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.02	1.000
29	Births 5-9 years	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	1.000
36	Children 1-2 years	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.000
	Current fertility intentions	**0.02**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.019**	
27	Want no more children	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.02	0.705
33	Want to delay next birth	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.705
	Infant mortality	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.014**	
7	Dead	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.02	2.998
34	IMR 1-4 years	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.638
37	IMR 5-9 years	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.643
Mean for all variables		0.06	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.061	0.754
n (women)		6,310	6,461	7,060	5,827	15,882	5,865	4,999	3,806	-	-
PSUs		252	344	252	260	897	270	142	178	-	-
b-bar		25.0	18.8	28.0	22.4	17.7	21.7	35.2	21.4	-	-
Dw		1.00	1.08	1.02	1.05	1.07	1.05	1.00	1.00	-	-

Note: Roh is intracluster correlation. PSU is primary sampling unit. ORS is oral rehydration salts. IUD is intrauterine device. IMR is infant mortality rate. Number following country name indicates DHS-I or DHS-II survey.

Table B.13.2 Roh computed from modelled deft for urban sample, by country and variable group, Demographic and Health Surveys I and II

Deft rank (total sample)	Variable	Deft rank (total) 1 Nigeria 2	2 Indonesia 1	3 Mexico 1	4 Indonesia 2	5 Egypt 1	6 Colombia 2	7 Northeast Brazil 2	8 Thailand 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.18**	**0.38**	**0.07**	**0.11**	**0.21**	**0.10**	**0.05**	**0.04**	**0.153**	
28	Immunized	0.23	0.54	0.01	0.08	0.28	0.12	0.00	0.00	0.17	0.099
1	Medically delivered	0.22	0.32	0.18	0.22	0.20	0.14	0.17	0.13	0.22	0.696
25	Have health card	0.12	0.32	0.00	0.01	0.17	0.06	0.00	0.00	0.08	0.131
32	Given ORS	0.26	0.55	0.07	0.14	0.30	0.14	0.00	0.00	0.20	0.106
3	Mother received tetanus	0.10	0.15	0.07	0.09	0.10	0.06	0.06	0.05	0.09	0.694
	Contraceptive knowledge	**0.12**	**0.19**	**0.09**	**0.11**	**0.12**	**0.07**	**0.08**	**0.06**	**0.115**	
2	Know a modern method	0.12	0.19	0.10	0.12	0.12	0.08	0.08	0.07	0.12	0.649
4	Know a method	0.11	0.18	0.09	0.11	0.11	0.07	0.07	0.06	0.11	0.649
5	Know source for method	0.12	0.18	0.09	0.11	0.12	0.07	0.08	0.06	0.11	0.656
	Background or "life-time" variables	**0.09**	**0.16**	**0.05**	**0.07**	**0.10**	**0.05**	**0.03**	**0.03**	**0.077**	
8	Ever used a method	0.09	0.14	0.06	0.08	0.09	0.05	0.05	0.04	0.08	0.659
6	Illiterate	0.08	0.12	0.06	0.07	0.08	0.05	0.05	0.04	0.07	1.000
31	Children born to 40-49	0.16	0.33	0.04	0.08	0.19	0.09	0.00	0.00	0.11	0.160
9	Ideal family size	0.06	0.10	0.04	0.05	0.06	0.04	0.03	0.03	0.06	0.896
10	Age at marriage	0.06	0.11	0.04	0.05	0.07	0.04	0.03	0.03	0.06	0.707
	Current use of contraception	**0.04**	**0.07**	**0.01**	**0.02**	**0.04**	**0.02**	**0.00**	**0.01**	**0.028**	
11	Using any method	0.05	0.09	0.03	0.04	0.06	0.03	0.02	0.02	0.04	0.659
20	Using public source	0.04	0.07	0.01	0.02	0.04	0.02	0.00	0.00	0.03	0.677
14	Using modern method	0.04	0.08	0.02	0.03	0.05	0.03	0.01	0.01	0.03	0.659
15	Using IUD	0.04	0.08	0.01	0.02	0.05	0.02	0.00	0.00	0.03	0.659
17	Using pill	0.03	0.07	0.01	0.02	0.04	0.02	0.00	0.00	0.02	0.652
18	Using condom	0.02	0.06	0.00	0.01	0.03	0.01	0.00	0.00	0.02	0.732
21	Sterilized	0.03	0.07	0.01	0.01	0.04	0.02	0.00	0.00	0.02	0.645
	Child health	**0.06**	**0.12**	**0.02**	**0.03**	**0.07**	**0.03**	**0.01**	**0.01**	**0.042**	
26	Height for age	0.09	0.17	0.04	0.06	0.10	0.05	0.02	0.02	0.07	0.331
30	Weight for age	0.06	0.13	0.01	0.03	0.08	0.04	0.00	0.00	0.04	0.331
23	Had diarrhea	0.04	0.08	0.02	0.03	0.05	0.03	0.01	0.01	0.03	0.636
35	Weight for height	0.02	0.09	0.00	0.00	0.05	0.01	0.00	0.00	0.02	0.313
	Fertility related	**0.03**	**0.06**	**0.02**	**0.02**	**0.04**	**0.02**	**0.01**	**0.01**	**0.025**	
12	Births in last 5 years	0.04	0.07	0.03	0.03	0.05	0.03	0.02	0.02	0.04	1.000
13	Married	0.04	0.07	0.02	0.03	0.04	0.02	0.01	0.01	0.03	1.000
16	Children 0-4 years	0.04	0.07	0.02	0.03	0.04	0.02	0.01	0.01	0.03	1.000
19	Births 1-4 years	0.03	0.06	0.02	0.02	0.04	0.02	0.01	0.01	0.03	1.000
22	Children ever born	0.03	0.06	0.02	0.02	0.04	0.02	0.01	0.01	0.02	1.000
24	Children weighed	0.03	0.06	0.01	0.02	0.03	0.02	0.01	0.01	0.02	1.000
29	Births 5-9 years	0.02	0.05	0.01	0.01	0.03	0.01	0.00	0.00	0.02	1.000
36	Children 1-2 years	0.02	0.04	0.00	0.01	0.02	0.01	0.00	0.00	0.01	1.000
	Current fertility intentions	**0.03**	**0.06**	**0.00**	**0.01**	**0.03**	**0.02**	**0.00**	**0.00**	**0.017**	
27	Want no more children	0.03	0.07	0.01	0.02	0.04	0.02	0.00	0.00	0.02	0.659
33	Want to delay next birth	0.02	0.05	0.00	0.00	0.03	0.01	0.00	0.00	0.01	0.659
	Infant mortality	**0.02**	**0.05**	**0.01**	**0.01**	**0.03**	**0.01**	**0.00**	**0.00**	**0.016**	
7	Dead	0.02	0.04	0.02	0.02	0.02	0.01	0.01	0.01	0.02	2.597
34	IMR 1-4 years	0.02	0.05	0.00	0.00	0.03	0.01	0.00	0.00	0.01	0.560
37	IMR 5-9 years	0.02	0.06	0.00	0.01	0.03	0.01	0.00	0.00	0.02	0.626
Mean for all variables		0.07	0.13	0.03	0.05	0.08	0.04	0.02	0.02	0.058	0.716
n (women)		3,530	4,431	5,989	7,051	4,410	6,995	4,315	2,423	-	-
PSUs		130	154	280	363	110	170	224	96	-	-
b-bar		27.2	28.8	21.4	19.4	40.1	41.1	19.3	25.2	-	-
Dw		1.16	1.26	1.61	1.34	1.04	1.12	1.26	1.03	-	-

Table B13.2—Continued

Deft rank (total sample)	Variable	Deft rank (total) 9	10	11	12	13	14	15	16	Average over 48 countries	Average proportion of sample to which variable applies
		Morocco 1	Kenya 1	Tanzania 2	Nigeria (Ondo) 1	Niger 2	Dominican Republic 2	Liberia 1	Pakistan 2		
	Medical care	**0.40**	**0.20**	**0.06**	**0.24**	**0.10**	**0.04**	**0.11**	**0.08**	**0.153**	
28	Immunized	0.58	0.25	0.00	0.33	0.09	0.00	0.12	0.00	0.17	0.099
1	Medically delivered	0.35	0.26	0.19	0.21	0.17	0.16	0.16	0.24	0.22	0.696
25	Have health card	0.29	0.10	0.00	0.20	0.03	0.00	0.06	0.00	0.08	0.131
32	Given ORS	0.61	0.30	0.04	0.34	0.13	0.00	0.15	0.06	0.20	0.106
3	Mother received tetanus	0.16	0.11	0.07	0.11	0.07	0.06	0.07	0.09	0.09	0.694
	Contraceptive knowledge	**0.20**	**0.14**	**0.09**	**0.13**	**0.09**	**0.07**	**0.08**	**0.12**	**0.115**	
2	Know a modern method	0.21	0.15	0.10	0.13	0.09	0.08	0.09	0.12	0.12	0.649
4	Know a method	0.19	0.13	0.09	0.12	0.09	0.07	0.08	0.11	0.11	0.649
5	Know source for method	0.20	0.14	0.09	0.12	0.09	0.07	0.08	0.12	0.11	0.656
	Background or "life-time" variables	**0.16**	**0.10**	**0.05**	**0.11**	**0.06**	**0.03**	**0.06**	**0.06**	**0.077**	
8	Ever used a method	0.15	0.10	0.06	0.10	0.06	0.05	0.06	0.08	0.08	0.659
6	Illiterate	0.13	0.09	0.06	0.08	0.06	0.05	0.06	0.07	0.07	1.000
31	Children born to 40-49	0.32	0.16	0.03	0.21	0.08	0.00	0.09	0.04	0.11	0.160
9	Ideal family size	0.10	0.07	0.04	0.07	0.04	0.03	0.04	0.05	0.06	0.896
10	Age at marriage	0.11	0.07	0.04	0.08	0.04	0.03	0.04	0.05	0.06	0.707
	Current use of contraception	**0.07**	**0.04**	**0.01**	**0.05**	**0.02**	**0.00**	**0.02**	**0.01**	**0.028**	
11	Using any method	0.09	0.06	0.03	0.07	0.03	0.02	0.04	0.03	0.04	0.659
20	Using public source	0.07	0.04	0.01	0.05	0.02	0.00	0.02	0.01	0.03	0.677
14	Using modern method	0.08	0.05	0.02	0.06	0.03	0.01	0.03	0.02	0.03	0.659
15	Using IUD	0.07	0.04	0.01	0.05	0.02	0.00	0.02	0.02	0.03	0.659
17	Using pill	0.06	0.03	0.01	0.05	0.02	0.00	0.02	0.01	0.02	0.652
18	Using condom	0.05	0.02	0.00	0.04	0.01	0.00	0.01	0.00	0.02	0.732
21	Sterilized	0.06	0.03	0.00	0.05	0.01	0.00	0.02	0.00	0.02	0.645
	Child health	**0.11**	**0.05**	**0.02**	**0.08**	**0.03**	**0.01**	**0.03**	**0.02**	**0.042**	
26	Height for age	0.17	0.10	0.04	0.12	0.05	0.02	0.06	0.05	0.07	0.331
30	Weight for age	0.12	0.06	0.01	0.09	0.03	0.00	0.04	0.01	0.04	0.331
23	Had diarrhea	0.08	0.05	0.02	0.06	0.03	0.01	0.03	0.02	0.03	0.636
35	Weight for height	0.06	0.01	0.00	0.06	0.00	0.00	0.01	0.00	0.02	0.313
	Fertility related	**0.05**	**0.03**	**0.01**	**0.04**	**0.02**	**0.01**	**0.02**	**0.02**	**0.025**	
12	Births in last 5 years	0.07	0.05	0.03	0.05	0.03	0.02	0.03	0.03	0.04	1.000
13	Married	0.06	0.04	0.02	0.05	0.02	0.01	0.02	0.02	0.03	1.000
16	Children 0-4 years	0.06	0.04	0.02	0.05	0.02	0.01	0.03	0.03	0.03	1.000
19	Births 1-4 years	0.06	0.04	0.02	0.04	0.02	0.01	0.02	0.02	0.03	1.000
22	Children ever born	0.05	0.03	0.01	0.04	0.02	0.01	0.02	0.02	0.02	1.000
24	Children weighed	0.05	0.03	0.01	0.04	0.02	0.01	0.02	0.02	0.02	1.000
29	Births 5-9 years	0.04	0.02	0.01	0.03	0.01	0.00	0.01	0.01	0.02	1.000
36	Children 1-2 years	0.03	0.01	0.00	0.03	0.01	0.00	0.01	0.00	0.01	1.000
	Current fertility intentions	**0.05**	**0.02**	**0.00**	**0.04**	**0.01**	**0.00**	**0.02**	**0.00**	**0.017**	
27	Want no more children	0.06	0.03	0.01	0.05	0.02	0.00	0.02	0.01	0.02	0.659
33	Want to delay next birth	0.04	0.01	0.00	0.04	0.01	0.00	0.01	0.00	0.01	0.659
	Infant mortality	**0.04**	**0.02**	**0.01**	**0.03**	**0.01**	**0.00**	**0.01**	**0.01**	**0.016**	
7	Dead	0.04	0.03	0.02	0.03	0.02	0.01	0.02	0.02	0.02	2.597
34	IMR 1-4 years	0.04	0.01	0.00	0.04	0.00	0.00	0.01	0.00	0.01	0.560
37	IMR 5-9 years	0.05	0.02	0.00	0.04	0.01	0.00	0.01	0.00	0.02	0.626
Mean for all variables		0.13	0.07	0.03	0.09	0.04	0.02	0.04	0.04	0.058	0.716
n (women)		3,530	4,431	5,989	7,051	4,410	6,995	4,315	2,423	-	-
PSUs		130	154	280	363	110	170	224	96	-	-
b-bar		27.2	28.8	21.4	19.4	40.1	41.1	19.3	25.2	-	-
Dw		1.16	1.26	1.61	1.34	1.04	1.12	1.26	1.03	-	-

Table B.13.2—Continued

Deft rank (total sample)	Variable	Deft rank (total) 17	18	19	20	21	22	23	24	Average over 48 countries	Average proportion of sample to which variable applies
		Morocco 2	Burkina Faso 2	Cameroon 2	Tunisia 1	Colombia 1	Egypt 2	Ghana 1	Botswana 1		
	Medical care	**0.09**	**0.09**	**0.54**	**0.48**	**0.20**	**0.12**	**0.05**	**0.10**	**0.153**	
28	Immunized	0.09	0.07	0.80	0.71	0.26	0.10	0.00	0.10	0.17	0.099
1	Medically delivered	0.14	0.17	0.41	0.38	0.22	0.22	0.17	0.17	0.22	0.696
25	Have health card	0.04	0.02	0.48	0.39	0.14	0.02	0.00	0.04	0.08	0.131
32	Given ORS	0.12	0.11	0.80	0.72	0.29	0.16	0.01	0.14	0.20	0.106
3	Mother received tetanus	0.06	0.07	0.20	0.18	0.10	0.09	0.06	0.07	0.09	0.694
	Contraceptive knowledge	**0.08**	**0.09**	**0.24**	**0.22**	**0.12**	**0.11**	**0.08**	**0.09**	**0.115**	
2	Know a modern method	0.08	0.09	0.25	0.23	0.13	0.12	0.08	0.09	0.12	0.649
4	Know a method	0.07	0.08	0.24	0.21	0.12	0.11	0.07	0.08	0.11	0.649
5	Know source for method	0.07	0.09	0.24	0.22	0.12	0.11	0.08	0.09	0.11	0.656
	Background or "life-time" variables	**0.05**	**0.05**	**0.22**	**0.19**	**0.10**	**0.07**	**0.04**	**0.06**	**0.077**	
8	Ever used a method	0.05	0.06	0.19	0.17	0.09	0.08	0.05	0.06	0.08	0.659
6	Illiterate	0.05	0.06	0.16	0.14	0.08	0.07	0.05	0.06	0.07	1.000
31	Children born to 40-49	0.07	0.07	0.48	0.41	0.18	0.09	0.01	0.09	0.11	0.160
9	Ideal family size	0.04	0.04	0.13	0.12	0.06	0.05	0.03	0.04	0.06	0.896
10	Age at marriage	0.04	0.04	0.15	0.13	0.07	0.05	0.03	0.04	0.06	0.707
	Current use of contraception	**0.02**	**0.02**	**0.10**	**0.09**	**0.04**	**0.02**	**0.01**	**0.02**	**0.028**	
11	Using any method	0.03	0.03	0.13	0.11	0.06	0.04	0.02	0.03	0.04	0.659
20	Using public source	0.02	0.02	0.10	0.09	0.04	0.02	0.01	0.02	0.03	0.677
14	Using modern method	0.02	0.02	0.12	0.10	0.05	0.03	0.01	0.03	0.03	0.659
15	Using IUD	0.02	0.02	0.11	0.09	0.04	0.02	0.01	0.02	0.03	0.659
17	Using pill	0.02	0.01	0.10	0.08	0.04	0.02	0.00	0.02	0.02	0.652
18	Using condom	0.01	0.01	0.08	0.06	0.03	0.01	0.00	0.01	0.02	0.732
21	Sterilized	0.01	0.01	0.09	0.08	0.03	0.02	0.00	0.02	0.02	0.645
	Child health	**0.03**	**0.02**	**0.17**	**0.14**	**0.06**	**0.03**	**0.01**	**0.03**	**0.042**	
26	Height for age	0.05	0.05	0.24	0.21	0.10	0.06	0.03	0.06	0.07	0.331
30	Weight for age	0.03	0.03	0.20	0.16	0.07	0.03	0.00	0.03	0.04	0.331
23	Had diarrhea	0.02	0.02	0.12	0.10	0.05	0.03	0.01	0.03	0.03	0.636
35	Weight for height	0.00	0.00	0.14	0.10	0.03	0.00	0.00	0.00	0.02	0.313
	Fertility related	**0.02**	**0.02**	**0.08**	**0.07**	**0.03**	**0.02**	**0.01**	**0.02**	**0.025**	
12	Births in last 5 years	0.03	0.03	0.10	0.09	0.05	0.04	0.02	0.03	0.04	1.000
13	Married	0.02	0.02	0.09	0.08	0.04	0.03	0.02	0.02	0.03	1.000
16	Children 0-4 years	0.02	0.02	0.09	0.08	0.04	0.03	0.02	0.03	0.03	1.000
19	Births 1-4 years	0.02	0.02	0.09	0.07	0.04	0.03	0.01	0.02	0.03	1.000
22	Children ever born	0.02	0.02	0.08	0.07	0.03	0.02	0.01	0.02	0.02	1.000
24	Children weighed	0.02	0.02	0.08	0.06	0.03	0.02	0.01	0.02	0.02	1.000
29	Births 5-9 years	0.01	0.01	0.06	0.05	0.02	0.01	0.00	0.01	0.02	1.000
36	Children 1-2 years	0.01	0.01	0.06	0.04	0.02	0.01	0.00	0.01	0.01	1.000
	Current fertility intentions	**0.01**	**0.01**	**0.09**	**0.07**	**0.03**	**0.01**	**0.00**	**0.01**	**0.017**	
27	Want no more children	0.02	0.01	0.10	0.08	0.04	0.02	0.00	0.02	0.02	0.659
33	Want to delay next birth	0.01	0.00	0.08	0.06	0.02	0.00	0.00	0.01	0.01	0.659
	Infant mortality	**0.01**	**0.01**	**0.07**	**0.06**	**0.03**	**0.01**	**0.00**	**0.01**	**0.016**	
7	Dead	0.01	0.02	0.05	0.04	0.02	0.02	0.01	0.02	0.02	2.597
34	IMR 1-4 years	0.01	0.00	0.08	0.06	0.02	0.00	0.00	0.01	0.01	0.560
37	IMR 5-9 years	0.01	0.01	0.09	0.07	0.03	0.01	0.00	0.01	0.02	0.626
Mean for all variables		0.04	0.04	0.19	0.16	0.08	0.05	0.02	0.04	0.058	0.716
n (women)		4,550	2,741	2,186	2,527	4,281	4,673	1,549	2,258	-	-
PSUs		132	106	76	108	148	228	72	78	-	-
b-bar		34.5	25.9	28.8	23.4	28.9	20.5	21.5	28.9	-	-
Dw		1.00	1.00	1.11	1.00	1.03	1.16	1.00	1.00	-	-

Table B.13.2—Continued

Deft rank (total sample)	Variable	Deft rank (total) 25 Guatemala 1	26 Madagascar 2	27 El Salvador 1	28 Togo 1	29 Burundi 1	30 Ecuador 1	31 Rwanda 2	32 Mali 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.83**	**0.04**	**0.05**	**0.24**	**0.04**	**0.11**	**0.03**	**0.08**	**0.153**	
28	Immunized	1.36	0.00	0.03	0.30	0.00	0.09	0.00	0.04	0.17	0.099
1	Medically delivered	0.53	0.13	0.11	0.29	0.16	0.19	0.12	0.19	0.22	0.696
25	Have health card	0.66	0.00	0.00	0.12	0.00	0.03	0.00	0.00	0.08	0.131
32	Given ORS	1.32	0.02	0.05	0.36	0.00	0.14	0.00	0.09	0.20	0.106
3	Mother received tetanus	0.26	0.05	0.05	0.13	0.04	0.08	0.04	0.07	0.09	0.694
	Contraceptive knowledge	**0.31**	**0.06**	**0.06**	**0.15**	**0.06**	**0.10**	**0.05**	**0.09**	**0.115**	
2	Know a modern method	0.32	0.07	0.06	0.16	0.07	0.11	0.06	0.10	0.12	0.649
4	Know a method	0.30	0.06	0.05	0.15	0.06	0.10	0.05	0.09	0.11	0.649
5	Know source for method	0.31	0.06	0.06	0.15	0.06	0.10	0.05	0.09	0.11	0.656
	Background or "life-time" variables	**0.29**	**0.03**	**0.03**	**0.11**	**0.02**	**0.06**	**0.02**	**0.05**	**0.077**	
8	Ever used a method	0.24	0.04	0.04	0.11	0.03	0.07	0.03	0.06	0.08	0.659
6	Illiterate	0.20	0.04	0.04	0.10	0.04	0.06	0.03	0.06	0.07	1.000
31	Children born to 40-49	0.65	0.02	0.04	0.19	0.00	0.09	0.00	0.06	0.11	0.160
9	Ideal family size	0.16	0.03	0.03	0.08	0.02	0.05	0.02	0.04	0.06	0.896
10	Age at marriage	0.18	0.03	0.03	0.08	0.01	0.05	0.02	0.04	0.06	0.707
	Current use of contraception	**0.12**	**0.01**	**0.01**	**0.04**	**0.00**	**0.02**	**0.00**	**0.02**	**0.028**	
11	Using any method	0.16	0.02	0.02	0.06	0.00	0.04	0.01	0.03	0.04	0.659
20	Using public source	0.12	0.01	0.01	0.04	0.00	0.02	0.00	0.02	0.03	0.677
14	Using modern method	0.14	0.01	0.02	0.05	0.00	0.03	0.00	0.02	0.03	0.659
15	Using IUD	0.13	0.01	0.01	0.04	0.00	0.02	0.00	0.02	0.03	0.659
17	Using pill	0.11	0.00	0.01	0.04	0.00	0.02	0.00	0.01	0.02	0.652
18	Using condom	0.09	0.00	0.01	0.03	0.00	0.01	0.00	0.01	0.02	0.732
21	Sterilized	0.11	0.00	0.01	0.03	0.00	0.02	0.00	0.01	0.02	0.645
	Child health	**0.21**	**0.01**	**0.01**	**0.06**	**0.00**	**0.03**	**0.00**	**0.02**	**0.042**	
26	Height for age	0.30	0.02	0.03	0.11	0.00	0.06	0.00	0.05	0.07	0.331
30	Weight for age	0.23	0.01	0.01	0.07	0.00	0.03	0.00	0.02	0.04	0.331
23	Had diarrhea	0.14	0.01	0.01	0.05	0.00	0.03	0.00	0.02	0.03	0.636
35	Weight for height	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.313
	Fertility related	**0.10**	**0.01**	**0.01**	**0.04**	**0.00**	**0.02**	**0.00**	**0.02**	**0.025**	
12	Births in last 5 years	0.12	0.02	0.02	0.05	0.01	0.03	0.01	0.03	0.04	1.000
13	Married	0.11	0.01	0.01	0.04	0.00	0.03	0.01	0.02	0.03	1.000
16	Children 0-4 years	0.11	0.01	0.01	0.05	0.00	0.03	0.01	0.02	0.03	1.000
19	Births 1-4 years	0.10	0.01	0.01	0.04	0.00	0.02	0.01	0.02	0.03	1.000
22	Children ever born	0.09	0.01	0.01	0.04	0.00	0.02	0.00	0.02	0.02	1.000
24	Children weighed	0.09	0.01	0.01	0.03	0.00	0.02	0.00	0.02	0.02	1.000
29	Births 5-9 years	0.07	0.00	0.01	0.02	0.00	0.01	0.00	0.01	0.02	1.000
36	Children 1-2 years	0.06	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.01	1.000
	Current fertility intentions	**0.10**	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.017**	
27	Want no more children	0.11	0.00	0.01	0.03	0.00	0.02	0.00	0.01	0.02	0.659
33	Want to delay next birth	0.08	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.659
	Infant mortality	**0.08**	**0.00**	**0.00**	**0.02**	**0.00**	**0.01**	**0.00**	**0.01**	**0.016**	
7	Dead	0.06	0.01	0.01	0.03	0.01	0.02	0.01	0.02	0.02	2.597
34	IMR 1-4 years	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.560
37	IMR 5-9 years	0.10	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.02	0.626
Mean for all variables		0.25	0.02	0.02	0.09	0.01	0.04	0.01	0.04	0.058	0.716
n (women)		2,096	2,282	3,271	1,201	637	2,790	1,158	1,283	-	-
PSUs		122	82	88*	66	44	120	48	58	-	-
b-bar		17.2	27.8	37.2	18.2	14.5	23.3	24.1	22.1	-	-
Dw		1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.03	-	-

Table B.13.2—Continued

Deft rank (total sample)	Variable	Deft rank (total) 33 Bolivia 1	34 Brazil 1	35 Sudan 1	36 Namibia 2	37 Zimbabwe 1	38 Senegal 1	39 Dominican Republic 1	40 Uganda 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.09**	**0.18**	**0.39**	**0.10**	**0.35**	**0.06**	**0.12**	**0.14**	**0.153**	
28	Immunized	0.00	0.20	0.57	0.11	0.49	0.04	0.00	0.14	0.17	0.099
1	Medically delivered	0.32	0.27	0.37	0.14	0.31	0.12	0.32	0.24	0.22	0.696
25	Have health card	0.00	0.06	0.19	0.06	0.28	0.01	0.00	0.04	0.08	0.131
32	Given ORS	0.00	0.27	0.63	0.13	0.51	0.07	0.16	0.20	0.20	0.106
3	Mother received tetanus	0.11	0.11	0.16	0.06	0.15	0.05	0.12	0.10	0.09	0.694
	Contraceptive knowledge	**0.15**	**0.14**	**0.20**	**0.08**	**0.18**	**0.06**	**0.16**	**0.12**	**0.115**	
2	Know a modern method	0.15	0.15	0.21	0.08	0.18	0.07	0.16	0.13	0.12	0.649
4	Know a method	0.14	0.14	0.19	0.07	0.17	0.06	0.15	0.12	0.11	0.649
5	Know source for method	0.14	0.14	0.20	0.08	0.17	0.06	0.15	0.12	0.11	0.656
	Background or "life-time" variables	**0.06**	**0.09**	**0.15**	**0.05**	**0.15**	**0.04**	**0.08**	**0.08**	**0.077**	
8	Ever used a method	0.09	0.10	0.14	0.05	0.13	0.04	0.10	0.09	0.08	0.659
6	Illiterate	0.09	0.09	0.13	0.05	0.11	0.04	0.10	0.08	0.07	1.000
31	Children born to 40-49	0.00	0.14	0.28	0.08	0.30	0.04	0.08	0.11	0.11	0.160
9	Ideal family size	0.06	0.07	0.10	0.04	0.09	0.03	0.07	0.06	0.06	0.896
10	Age at marriage	0.05	0.07	0.10	0.04	0.10	0.03	0.07	0.06	0.06	0.707
	Current use of contraception	**0.01**	**0.03**	**0.05**	**0.02**	**0.07**	**0.01**	**0.02**	**0.03**	**0.028**	
11	Using any method	0.03	0.05	0.08	0.03	0.09	0.02	0.05	0.05	0.04	0.659
20	Using public source	0.00	0.03	0.05	0.02	0.07	0.01	0.02	0.03	0.03	0.677
14	Using modern method	0.01	0.04	0.07	0.03	0.08	0.02	0.03	0.04	0.03	0.659
15	Using IUD	0.00	0.03	0.05	0.02	0.07	0.01	0.02	0.03	0.03	0.659
17	Using pill	0.00	0.03	0.05	0.02	0.06	0.01	0.01	0.02	0.02	0.652
18	Using condom	0.00	0.02	0.03	0.01	0.05	0.01	0.00	0.01	0.02	0.732
21	Sterilized	0.00	0.02	0.04	0.02	0.06	0.01	0.01	0.02	0.02	0.645
	Child health	**0.01**	**0.05**	**0.08**	**0.03**	**0.11**	**0.02**	**0.03**	**0.04**	**0.042**	
26	Height for age	0.03	0.09	0.15	0.05	0.16	0.04	0.07	0.08	0.07	0.331
30	Weight for age	0.00	0.05	0.09	0.03	0.12	0.02	0.02	0.04	0.04	0.331
23	Had diarrhea	0.01	0.04	0.07	0.03	0.08	0.02	0.03	0.04	0.03	0.636
35	Weight for height	0.00	0.00	0.02	0.01	0.07	0.00	0.00	0.00	0.02	0.313
	Fertility related	**0.02**	**0.03**	**0.05**	**0.02**	**0.05**	**0.01**	**0.02**	**0.03**	**0.025**	
12	Births in last 5 years	0.03	0.05	0.07	0.03	0.07	0.02	0.04	0.04	0.04	1.000
13	Married	0.02	0.04	0.06	0.02	0.06	0.02	0.03	0.03	0.03	1.000
16	Children 0-4 years	0.02	0.04	0.06	0.02	0.06	0.02	0.03	0.03	0.03	1.000
19	Births 1-4 years	0.02	0.03	0.05	0.02	0.06	0.01	0.03	0.03	0.03	1.000
22	Children ever born	0.01	0.03	0.05	0.02	0.05	0.01	0.02	0.03	0.02	1.000
24	Children weighed	0.01	0.03	0.04	0.02	0.05	0.01	0.02	0.02	0.02	1.000
29	Births 5-9 years	0.00	0.02	0.03	0.01	0.04	0.01	0.01	0.02	0.02	1.000
36	Children 1-2 years	0.00	0.01	0.02	0.01	0.03	0.00	0.00	0.01	0.01	1.000
	Current fertility intentions	**0.00**	**0.02**	**0.03**	**0.01**	**0.05**	**0.01**	**0.01**	**0.01**	**0.017**	
27	Want no more children	0.00	0.03	0.04	0.02	0.06	0.01	0.01	0.02	0.02	0.659
33	Want to delay next birth	0.00	0.01	0.02	0.01	0.04	0.00	0.00	0.01	0.01	0.659
	Infant mortality	**0.01**	**0.01**	**0.03**	**0.01**	**0.04**	**0.01**	**0.01**	**0.01**	**0.016**	
7	Dead	0.02	0.03	0.04	0.01	0.03	0.01	0.03	0.02	0.02	2.597
34	IMR 1-4 years	0.00	0.00	0.02	0.01	0.04	0.00	0.00	0.00	0.01	0.560
37	IMR 5-9 years	0.00	0.01	0.03	0.01	0.05	0.00	0.00	0.01	0.02	0.626
Mean for all variables		0.04	0.07	0.12	0.04	0.12	0.03	0.05	0.06	0.058	0.716
n (women)		5,139	4,391	2,308	1,891	1,322	1,862	4,529	934	-	-
PSUs		490	252	160	50	50	54	364	48	-	-
b-bar		10.5	17.4	14.4	37.8	26.4	34.5	12.4	19.5	-	-
Dw		1.20	1.07	1.00	1.02	1.00	1.00	1.16	1.00	-	-

Table B.13.2—Continued

Deft rank (total sample)	Variable	Deft rank (total) 41 Senegal 2	42 Jordan 2	43 Zambia 2	44 Paraguay 2	45 Peru 2	46 Sri Lanka 1	47 Peru 1	48 T&T 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.05**	**0.08**	**0.05**	**0.07**	**0.05**	**0.07**	**0.08**	**0.05**	**0.153**	
28	Immunized	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.17	0.099
1	Medically delivered	0.17	0.21	0.16	0.18	0.19	0.22	0.28	0.18	0.22	0.696
25	Have health card	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.131
32	Given ORS	0.00	0.10	0.03	0.08	0.00	0.06	0.04	0.00	0.20	0.106
3	Mother received tetanus	0.06	0.08	0.06	0.07	0.07	0.08	0.10	0.07	0.09	0.694
	Contraceptive knowledge	**0.08**	**0.10**	**0.08**	**0.09**	**0.09**	**0.11**	**0.13**	**0.08**	**0.115**	
2	Know a modern method	0.09	0.11	0.08	0.10	0.09	0.11	0.14	0.09	0.12	0.649
4	Know a method	0.08	0.10	0.07	0.09	0.08	0.10	0.13	0.08	0.11	0.649
5	Know source for method	0.08	0.10	0.08	0.09	0.09	0.11	0.13	0.08	0.11	0.656
	Background or "life-time" variables	**0.04**	**0.06**	**0.04**	**0.05**	**0.04**	**0.05**	**0.06**	**0.04**	**0.077**	
8	Ever used a method	0.05	0.07	0.05	0.06	0.06	0.07	0.09	0.05	0.08	0.659
6	Illiterate	0.05	0.07	0.05	0.06	0.06	0.07	0.08	0.05	0.07	1.000
31	Children born to 40-49	0.01	0.06	0.02	0.05	0.00	0.04	0.03	0.00	0.11	0.160
9	Ideal family size	0.04	0.05	0.03	0.04	0.04	0.05	0.06	0.04	0.06	0.896
10	Age at marriage	0.03	0.05	0.03	0.04	0.03	0.05	0.06	0.03	0.06	0.707
	Current use of contraception	**0.01**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.028**	
11	Using any method	0.02	0.03	0.02	0.03	0.02	0.03	0.04	0.02	0.04	0.659
20	Using public source	0.01	0.02	0.01	0.01	0.00	0.01	0.01	0.01	0.03	0.677
14	Using modern method	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.03	0.659
15	Using IUD	0.01	0.02	0.01	0.02	0.00	0.01	0.01	0.01	0.03	0.659
17	Using pill	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.02	0.652
18	Using condom	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.732
21	Sterilized	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.02	0.645
	Child health	**0.01**	**0.02**	**0.01**	**0.02**	**0.01**	**0.02**	**0.02**	**0.01**	**0.042**	
26	Height for age	0.03	0.05	0.03	0.04	0.02	0.05	0.05	0.03	0.07	0.331
30	Weight for age	0.00	0.02	0.01	0.02	0.00	0.01	0.01	0.00	0.04	0.331
23	Had diarrhea	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.03	0.636
35	Weight for height	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.313
	Fertility related	**0.01**	**0.02**	**0.01**	**0.02**	**0.01**	**0.02**	**0.02**	**0.01**	**0.025**	
12	Births in last 5 years	0.02	0.03	0.02	0.03	0.02	0.03	0.04	0.02	0.04	1.000
13	Married	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	1.000
16	Children 0-4 years	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03	1.000
19	Births 1-4 years	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.03	1.000
22	Children ever born	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.02	1.000
24	Children weighed	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.02	1.000
29	Births 5-9 years	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.02	1.000
36	Children 1-2 years	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.000
	Current fertility intentions	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.017**	
27	Want no more children	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.02	0.659
33	Want to delay next birth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.659
	Infant mortality	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.00	**0.016**	
7	Dead	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.02	2.597
34	IMR 1-4 years	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.560
37	IMR 5-9 years	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.626
Mean for all variables		0.02	0.04	0.02	0.03	0.02	0.03	0.04	0.02	0.058	0.716
n (women)		2,635	4,584	3,358	2,901	11,777	1,011	1,579	1,728	-	-
PSUs		130	234	146	132	669	58	116	90	-	-
b-bar		20.3	19.6	23.0	22.0	17.6	17.4	13.6	19.2	-	-
Dw		1.00	1.06	1.00	1.04	1.07	1.02	1.00	1.00	-	-

Note: Roh is intracluster correlation. PSU is primary sampling unit. ORS is oral rehydration salts. IUD is intrauterine device. IMR is infant mortality rate. Number following country name indicates DHS-I or DHS-II survey.

Table B.13.3 Roh computed from modeled deft for rural sample, by country and variable group, Demographic and Health Surveys I and II

Deft rank (total sample)	Variable	Deft rank (total) 1	2	3	4	5	6	7	8	Average over 48 countries	Average proportion of sample to which variable applies
		Nigeria 2	Indonesia 1	Mexico 1	Indonesia 2	Egypt 1	Colombia 2	Northeast Brazil 2	Thailand 1		
	Medical care	**0.22**	**0.36**	**0.16**	**0.19**	**0.14**	**0.14**	**0.20**	**0.19**	**0.164**	
28	Immunized	0.34	0.57	0.24	0.30	0.21	0.20	0.33	0.29	0.25	0.126
1	Medically delivered	0.21	0.30	0.17	0.23	0.15	0.18	0.27	0.22	0.19	0.911
25	Have health card	0.23	0.39	0.16	0.19	0.15	0.13	0.18	0.19	0.16	0.166
32	Given ORS	0.18	0.33	0.12	0.09	0.10	0.06	0.04	0.11	0.10	0.147
3	Mother received tetanus	0.13	0.19	0.10	0.14	0.09	0.11	0.16	0.13	0.12	0.908
	Contraceptive knowledge	**0.13**	**0.19**	**0.10**	**0.13**	**0.09**	**0.10**	**0.15**	**0.12**	**0.111**	
2	Know a modern method	0.14	0.20	0.11	0.14	0.10	0.11	0.16	0.14	0.12	0.746
4	Know a method	0.12	0.18	0.10	0.13	0.09	0.10	0.15	0.12	0.11	0.749
5	Know source for method	0.12	0.18	0.09	0.12	0.09	0.09	0.14	0.12	0.10	0.742
	Background or "life-time" variables	**0.09**	**0.15**	**0.07**	**0.07**	**0.06**	**0.05**	**0.07**	**0.07**	**0.066**	
8	Ever used a method	0.10	0.15	0.08	0.10	0.07	0.07	0.11	0.09	0.08	0.744
6	Illiterate	0.09	0.14	0.07	0.10	0.07	0.07	0.11	0.09	0.08	1.000
31	Children born to 40-49	0.12	0.23	0.08	0.05	0.07	0.03	0.00	0.07	0.06	0.182
9	Ideal family size	0.08	0.12	0.06	0.07	0.05	0.06	0.08	0.07	0.06	0.842
10	Age at marriage	0.05	0.09	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.750
	Current use of contraception	**0.07**	**0.11**	**0.05**	**0.06**	**0.05**	**0.05**	**0.07**	**0.06**	**0.055**	
11	Using any method	0.07	0.11	0.06	0.07	0.05	0.05	0.07	0.06	0.06	0.740
20	Using public source	0.05	0.08	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.730
14	Using modern method	0.07	0.12	0.06	0.07	0.05	0.05	0.07	0.06	0.06	0.722
15	Using IUD	0.06	0.10	0.04	0.05	0.04	0.04	0.05	0.05	0.04	0.758
17	Using pill	0.07	0.10	0.05	0.06	0.05	0.04	0.06	0.06	0.05	0.720
18	Using condom	0.11	0.17	0.09	0.11	0.08	0.08	0.12	0.11	0.09	0.633
21	Sterilized	0.06	0.10	0.04	0.05	0.04	0.04	0.05	0.05	0.04	0.685
	Child health	**0.06**	**0.10**	**0.04**	**0.03**	**0.04**	**0.02**	**0.02**	**0.04**	**0.034**	
26	Height for age	0.07	0.12	0.05	0.05	0.05	0.03	0.04	0.05	0.04	0.414
30	Weight for age	0.07	0.12	0.05	0.04	0.04	0.03	0.03	0.05	0.04	0.414
23	Had diarrhea	0.04	0.07	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.799
35	Weight for height	0.05	0.09	0.03	0.02	0.03	0.01	0.00	0.02	0.02	0.392
	Fertility related	**0.03**	**0.05**	**0.02**	**0.02**	**0.02**	**0.01**	**0.01**	**0.02**	**0.017**	
12	Births in last 5 years	0.03	0.06	0.02	0.02	0.02	0.02	0.02	0.03	0.02	1.000
13	Married	0.03	0.06	0.02	0.03	0.02	0.02	0.02	0.03	0.02	1.000
16	Children 0-4 years	0.03	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.000
19	Births 1-4 years	0.03	0.05	0.02	0.02	0.02	0.01	0.01	0.02	0.02	1.000
22	Children ever born	0.03	0.05	0.02	0.02	0.02	0.01	0.01	0.02	0.02	1.000
24	Children weighed	0.03	0.05	0.02	0.02	0.02	0.01	0.01	0.02	0.02	1.000
29	Births 5-9 years	0.02	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	1.000
36	Children 1-2 years	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.000
	Current fertility intentions	**0.03**	**0.06**	**0.02**	**0.02**	**0.02**	**0.01**	**0.01**	**0.02**	**0.020**	
27	Want no more children	0.04	0.06	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.744
33	Want to delay next birth	0.03	0.06	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.744
	Infant mortality	**0.02**	**0.04**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.013**	
7	Dead	0.02	0.03	0.02	0.02	0.01	0.01	0.02	0.02	0.02	3.369
34	IMR 1-4 years	0.03	0.05	0.02	0.01	0.02	0.01	0.00	0.01	0.01	0.724
37	IMR 5-9 years	0.02	0.04	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.779
Mean for all variables		0.08	0.13	0.06	0.07	0.05	0.05	0.07	0.07	0.060	0.794
n (women)		5,251	7,453	3,321	15,858	4,501	1,649	1,908	4,352	-	-
PSUs		164	246	94	805	116	66	130	192	-	-
b-bar		32.0	30.3	35.3	19.7	38.8	25.0	14.7	22.7	-	-
Dw		1.32	1.16	1.14	1.40	1.02	1.15	1.33	1.14	-	-

Table B.13.3—Continued

Deft rank (total sample)	Variable	Deft rank (total) 9 Morocco 1	10 Kenya 1	11 Tanzania 2	12 Nigeria (Ondo) 1	13 Niger 2	14 Dominican Republic 2	15 Liberia 1	16 Pakistan 2	Average over 48 Countries	Average proportion of sample to which variable applies
	Medical care	**0.26**	**0.26**	**0.12**	**0.14**	**0.25**	**0.17**	**0.17**	**0.12**	**0.164**	
28	Immunized	0.41	0.46	0.17	0.21	0.40	0.27	0.25	0.17	0.25	0.126
1	Medically delivered	0.22	0.30	0.15	0.14	0.23	0.25	0.18	0.20	0.19	0.911
25	Have health card	0.29	0.26	0.11	0.15	0.27	0.15	0.17	0.10	0.16	0.166
32	Given ORS	0.25	0.13	0.06	0.11	0.21	0.03	0.12	0.00	0.10	0.147
3	Mother received tetanus	0.14	0.18	0.09	0.09	0.15	0.14	0.11	0.12	0.12	0.908
	Contraceptive knowledge	**0.14**	**0.17**	**0.09**	**0.08**	**0.14**	**0.14**	**0.11**	**0.11**	**0.111**	
2	Know a modern method	0.15	0.19	0.10	0.09	0.16	0.15	0.11	0.12	0.12	0.746
4	Know a method	0.14	0.16	0.09	0.08	0.14	0.13	0.10	0.11	0.11	0.749
5	Know source for method	0.14	0.16	0.08	0.08	0.14	0.13	0.10	0.10	0.10	0.742
	Background or "life-time" variables	**0.11**	**0.09**	**0.05**	**0.06**	**0.10**	**0.06**	**0.07**	**0.05**	**0.066**	
8	Ever used a method	0.11	0.13	0.07	0.07	0.11	0.10	0.08	0.08	0.08	0.744
6	Illiterate	0.11	0.12	0.07	0.06	0.11	0.10	0.08	0.08	0.08	1.000
31	Children born to 40-49	0.18	0.06	0.03	0.08	0.15	0.00	0.08	0.00	0.06	0.182
9	Ideal family size	0.09	0.09	0.05	0.05	0.09	0.07	0.06	0.06	0.06	0.842
10	Age at marriage	0.07	0.05	0.03	0.04	0.06	0.04	0.04	0.03	0.04	0.750
	Current use of contraception	**0.09**	**0.08**	**0.04**	**0.05**	**0.08**	**0.06**	**0.06**	**0.05**	**0.055**	
11	Using any method	0.09	0.08	0.04	0.05	0.08	0.06	0.06	0.05	0.06	0.740
20	Using public source	0.07	0.05	0.03	0.03	0.06	0.03	0.04	0.02	0.04	0.730
14	Using modern method	0.09	0.08	0.04	0.05	0.08	0.06	0.06	0.05	0.06	0.722
15	Using IUD	0.07	0.06	0.03	0.04	0.07	0.05	0.05	0.03	0.04	0.758
17	Using pill	0.08	0.07	0.04	0.04	0.08	0.05	0.05	0.04	0.05	0.720
18	Using condom	0.13	0.14	0.07	0.08	0.13	0.11	0.09	0.09	0.09	0.633
21	Sterilized	0.08	0.06	0.03	0.04	0.07	0.04	0.05	0.03	0.04	0.685
	Child health	**0.08**	**0.04**	**0.02**	**0.04**	**0.07**	**0.02**	**0.04**	**0.01**	**0.034**	
26	Height for age	0.10	0.06	0.03	0.05	0.08	0.03	0.05	0.02	0.04	0.414
30	Weight for age	0.09	0.06	0.03	0.05	0.08	0.03	0.05	0.02	0.04	0.414
23	Had diarrhea	0.05	0.03	0.02	0.03	0.05	0.02	0.03	0.01	0.03	0.799
35	Weight for height	0.07	0.02	0.01	0.03	0.06	0.00	0.03	0.00	0.02	0.392
	Fertility related	**0.04**	**0.02**	**0.01**	**0.02**	**0.03**	**0.01**	**0.02**	**0.01**	**0.017**	
12	Births in last 5 years	0.04	0.03	0.02	0.02	0.04	0.02	0.03	0.01	0.02	1.000
13	Married	0.04	0.03	0.02	0.02	0.04	0.02	0.03	0.01	0.02	1.000
16	Children 0-4 years	0.04	0.03	0.02	0.02	0.04	0.02	0.02	0.01	0.02	1.000
19	Births 1-4 years	0.04	0.02	0.01	0.02	0.03	0.01	0.02	0.01	0.02	1.000
22	Children ever born	0.04	0.02	0.01	0.02	0.03	0.01	0.02	0.01	0.02	1.000
24	Children weighed	0.04	0.02	0.01	0.02	0.03	0.01	0.02	0.01	0.02	1.000
29	Births 5-9 years	0.03	0.01	0.01	0.02	0.03	0.00	0.02	0.00	0.01	1.000
36	Children 1-2 years	0.02	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	1.000
	Current fertility intentions	**0.05**	**0.02**	**0.01**	**0.02**	**0.04**	**0.01**	**0.02**	**0.01**	**0.020**	
27	Want no more children	0.05	0.03	0.02	0.02	0.04	0.01	0.03	0.01	0.02	0.744
33	Want to delay next birth	0.04	0.02	0.01	0.02	0.04	0.01	0.02	0.00	0.02	0.744
	Infant mortality	**0.03**	**0.01**	**0.01**	**0.02**	**0.03**	**0.01**	**0.02**	**0.01**	**0.013**	
7	Dead	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	3.369
34	IMR 1-4 years	0.04	0.01	0.01	0.02	0.03	0.00	0.02	0.00	0.01	0.724
37	IMR 5-9 years	0.03	0.00	0.00	0.01	0.02	0.00	0.01	0.00	0.01	0.779
Mean for all variables		0.10	0.09	0.04	0.05	0.09	0.06	0.06	0.04	0.060	0.794
n (women)		3,201	5,233	7,400	2,530	3,807	2,466	3,454	3,227	-	-
PSUs		70	344	254	52	126	156	102	176	-	-
b-bar		45.7	15.2	29.1	48.7	30.2	15.8	33.9	18.3	-	-
Dw		1.00	1.27	1.14	1.00	1.00	1.45	1.17	1.21	-	-

Table B.13.3—Continued

Deft rank (total sample)	Variable	Deft rank (total) 17 Morocco 2	18 Burkina Faso 2	19 Cameroon 2	20 Tunisia 1	21 Colombia 1	22 Egypt 2	23 Ghana 1	24 Botswana 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.14**	**0.19**	**0.18**	**0.16**	**0.14**	**0.14**	**0.20**	**0.13**	**0.164**	
28	Immunized	0.21	0.29	0.28	0.24	0.21	0.21	0.31	0.19	0.25	0.126
1	Medically delivered	0.13	0.20	0.20	0.17	0.16	0.18	0.19	0.17	0.19	0.911
25	Have health card	0.15	0.20	0.18	0.16	0.14	0.14	0.21	0.13	0.16	0.166
32	Given ORS	0.13	0.14	0.12	0.11	0.09	0.07	0.17	0.07	0.10	0.147
3	Mother received tetanus	0.08	0.12	0.12	0.10	0.10	0.11	0.12	0.10	0.12	0.908
	Contraceptive knowledge	**0.08**	**0.12**	**0.12**	**0.10**	**0.10**	**0.10**	**0.12**	**0.09**	**0.111**	
2	Know a modern method	0.09	0.13	0.13	0.11	0.10	0.11	0.13	0.10	0.12	0.746
4	Know a method	0.08	0.11	0.12	0.10	0.09	0.10	0.11	0.09	0.11	0.749
5	Know source for method	0.08	0.11	0.11	0.09	0.09	0.10	0.11	0.09	0.10	0.742
	Background or "life-time" variables	**0.06**	**0.08**	**0.07**	**0.07**	**0.06**	**0.06**	**0.08**	**0.05**	**0.066**	
8	Ever used a method	0.06	0.09	0.09	0.08	0.07	0.08	0.09	0.07	0.08	0.744
6	Illiterate	0.06	0.09	0.09	0.07	0.07	0.08	0.09	0.07	0.08	1.000
31	Children born to 40-49	0.09	0.10	0.07	0.08	0.06	0.04	0.12	0.04	0.06	0.182
9	Ideal family size	0.05	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.06	0.842
10	Age at marriage	0.04	0.05	0.04	0.04	0.04	0.03	0.05	0.03	0.04	0.750
	Current use of contraception	**0.05**	**0.06**	**0.06**	**0.05**	**0.05**	**0.05**	**0.07**	**0.05**	**0.055**	
11	Using any method	0.05	0.07	0.06	0.06	0.05	0.05	0.07	0.05	0.06	0.740
20	Using public source	0.04	0.04	0.04	0.04	0.03	0.03	0.05	0.03	0.04	0.730
14	Using modern method	0.05	0.07	0.06	0.06	0.05	0.05	0.07	0.05	0.06	0.722
15	Using IUD	0.04	0.05	0.05	0.04	0.04	0.04	0.06	0.04	0.04	0.758
17	Using pill	0.05	0.06	0.05	0.05	0.04	0.04	0.06	0.04	0.05	0.720
18	Using condom	0.07	0.10	0.10	0.09	0.08	0.09	0.11	0.08	0.09	0.633
21	Sterilized	0.04	0.05	0.05	0.04	0.04	0.04	0.06	0.04	0.04	0.685
	Child health	**0.04**	**0.05**	**0.04**	**0.04**	**0.03**	**0.03**	**0.05**	**0.03**	**0.034**	
26	Height for age	0.05	0.06	0.05	0.05	0.04	0.04	0.07	0.03	0.04	0.414
30	Weight for age	0.05	0.06	0.05	0.05	0.04	0.03	0.07	0.03	0.04	0.414
23	Had diarrhea	0.03	0.03	0.03	0.03	0.02	0.02	0.04	0.02	0.03	0.799
35	Weight for height	0.04	0.04	0.03	0.03	0.02	0.01	0.05	0.01	0.02	0.392
	Fertility related	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.01**	**0.03**	**0.01**	**0.017**	
12	Births in last 5 years	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	1.000
13	Married	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	1.000
16	Children 0-4 years	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	1.000
19	Births 1-4 years	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.01	0.02	1.000
22	Children ever born	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.01	0.02	1.000
24	Children weighed	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.01	0.02	1.000
29	Births 5-9 years	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	1.000
36	Children 1-2 years	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.000
	Current fertility intentions	**0.03**	**0.03**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.01**	**0.020**	
27	Want no more children	0.03	0.03	0.03	0.03	0.02	0.02	0.04	0.02	0.02	0.744
33	Want to delay next birth	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.01	0.02	0.744
	Infant mortality	**0.02**	**0.02**	**0.01**	**0.02**	**0.01**	**0.01**	**0.02**	**0.01**	**0.013**	
7	Dead	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	3.369
34	IMR 1-4 years	0.02	0.02	0.02	0.02	0.01	0.01	0.03	0.01	0.01	0.724
37	IMR 5-9 years	0.02	0.01	0.01	0.01	0.01	0.00	0.02	0.00	0.01	0.779
Mean for all variables		0.05	0.07	0.07	0.06	0.05	0.05	0.08	0.05	0.060	0.794
n (women)		4,706	3,613	1,685	1,657	1048	5,191	2,939	2,110	-	-
PSUs		68	118	66	48	32	208	78	76	-	-
b-bar		69.2	30.6	25.5	34.5	32.8	25.0	37.7	27.8	-	-
Dw		1.00	1.00	1.01	1.00	1.03	1.08	1.00	1.00	-	-

Table B.13.3—Continued

Deft rank (total sample)	Variable	Deft rank (total) 25 Guatemala 1	26 Madagascar 2	27 El Salvador 1	28 Togo 1	29 Burundi 1	30 Ecuador 1	31 Rwanda 2	32 Mali 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.22**	**0.16**	**0.02**	**0.25**	**0.13**	**0.26**	**0.10**	**0.15**	**0.164**	
28	Immunized	0.35	0.24	0.01	0.40	0.19	0.41	0.15	0.23	0.25	0.126
1	Medically delivered	0.23	0.17	0.06	0.24	0.15	0.25	0.13	0.20	0.19	0.911
25	Have health card	0.23	0.16	0.01	0.26	0.13	0.27	0.10	0.14	0.16	0.166
32	Given ORS	0.16	0.10	0.00	0.19	0.08	0.20	0.06	0.06	0.10	0.147
3	Mother received tetanus	0.14	0.11	0.03	0.15	0.09	0.15	0.08	0.12	0.12	0.908
	Contraceptive knowledge	**0.14**	**0.10**	**0.03**	**0.15**	**0.09**	**0.15**	**0.07**	**0.11**	**0.111**	
2	Know a modern method	0.15	0.11	0.03	0.16	0.10	0.16	0.08	0.12	0.12	0.746
4	Know a method	0.13	0.10	0.03	0.14	0.09	0.15	0.07	0.11	0.11	0.749
5	Know source for method	0.13	0.10	0.03	0.14	0.08	0.14	0.07	0.11	0.10	0.742
	Background or "life-time" variables	**0.09**	**0.06**	**0.01**	**0.10**	**0.05**	**0.10**	**0.04**	**0.06**	**0.066**	
8	Ever used a method	0.10	0.08	0.02	0.11	0.07	0.12	0.06	0.08	0.08	0.744
6	Illiterate	0.10	0.08	0.02	0.11	0.07	0.11	0.05	0.08	0.08	1.000
31	Children born to 40-49	0.11	0.07	0.00	0.13	0.05	0.14	0.04	0.03	0.06	0.182
9	Ideal family size	0.08	0.06	0.01	0.09	0.05	0.09	0.04	0.06	0.06	0.842
10	Age at marriage	0.05	0.04	0.00	0.06	0.03	0.06	0.03	0.04	0.04	0.750
	Current use of contraception	**0.07**	**0.05**	**0.01**	**0.08**	**0.05**	**0.08**	**0.04**	**0.05**	**0.055**	
11	Using any method	0.07	0.06	0.01	0.08	0.05	0.08	0.04	0.06	0.06	0.740
20	Using public source	0.05	0.04	0.00	0.06	0.03	0.06	0.02	0.03	0.04	0.730
14	Using modern method	0.07	0.06	0.01	0.08	0.05	0.09	0.04	0.06	0.06	0.722
15	Using IUD	0.06	0.04	0.01	0.07	0.04	0.07	0.03	0.04	0.04	0.758
17	Using pill	0.07	0.05	0.01	0.07	0.04	0.08	0.03	0.05	0.05	0.720
18	Using condom	0.12	0.09	0.02	0.13	0.08	0.13	0.06	0.09	0.09	0.633
21	Sterilized	0.06	0.04	0.01	0.07	0.04	0.07	0.03	0.04	0.04	0.685
	Child health	**0.05**	**0.04**	**0.00**	**0.06**	**0.03**	**0.06**	**0.02**	**0.02**	**0.034**	
26	Height for age	0.07	0.05	0.00	0.08	0.04	0.08	0.03	0.04	0.04	0.414
30	Weight for age	0.06	0.04	0.00	0.07	0.04	0.08	0.03	0.03	0.04	0.414
23	Had diarrhea	0.04	0.03	0.00	0.04	0.02	0.04	0.02	0.02	0.03	0.799
35	Weight for height	0.04	0.03	0.00	0.05	0.02	0.05	0.01	0.01	0.02	0.392
	Fertility related	**0.02**	**0.02**	**0.00**	**0.03**	**0.01**	**0.03**	**0.01**	**0.01**	**0.017**	
12	Births in last 5 years	0.03	0.02	0.00	0.04	0.02	0.04	0.02	0.02	0.02	1.000
13	Married	0.03	0.02	0.00	0.04	0.02	0.04	0.02	0.02	0.02	1.000
16	Children 0-4 years	0.03	0.02	0.00	0.03	0.02	0.04	0.01	0.02	0.02	1.000
19	Births 1-4 years	0.03	0.02	0.00	0.03	0.02	0.03	0.01	0.01	0.02	1.000
22	Children ever born	0.02	0.02	0.00	0.03	0.01	0.03	0.01	0.01	0.02	1.000
24	Children weighed	0.03	0.02	0.00	0.03	0.01	0.03	0.01	0.01	0.02	1.000
29	Births 5-9 years	0.02	0.01	0.00	0.02	0.01	0.02	0.01	0.01	0.01	1.000
36	Children 1-2 years	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.000
	Current fertility intentions	**0.03**	**0.02**	**0.00**	**0.04**	**0.02**	**0.04**	**0.01**	**0.01**	**0.020**	
27	Want no more children	0.03	0.02	0.00	0.04	0.02	0.04	0.02	0.02	0.02	0.744
33	Want to delay next birth	0.03	0.02	0.00	0.03	0.01	0.03	0.01	0.01	0.02	0.744
	Infant mortality	**0.02**	**0.01**	**0.00**	**0.02**	**0.01**	**0.02**	**0.01**	**0.01**	**0.013**	
7	Dead	0.02	0.02	0.00	0.02	0.01	0.02	0.01	0.02	0.02	3.369
34	IMR 1-4 years	0.02	0.02	0.00	0.03	0.01	0.03	0.01	0.01	0.01	0.724
37	IMR 5-9 years	0.01	0.01	0.00	0.02	0.01	0.02	0.00	0.00	0.01	0.779
Mean for all variables		0.08	0.06	0.01	0.09	0.05	0.09	0.04	0.05	0.060	0.794
n (women)		3,064	3,978	1,936	2,159	3,333	1,923	5,393	1,917	-	-
PSUs		120	130	38	86	100	74	142	90	-	-
b-bar		25.5	30.6	50.9	25.1	33.3	26.0	38.0	21.3	-	-
Dw		1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.05	-	-

Table B.13.3—Continued

Deft rank (total sample)	Variable	Deft rank (total) 33 Bolivia 1	34 Brazil 1	35 Sudan 1	36 Namibia 2	37 Zimbabwe 1	38 Senegal 1	39 Dominican Republic 1	40 Uganda 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.16**	**0.32**	**0.25**	**0.09**	**0.12**	**0.13**	**0.14**	**0.09**	**0.164**	
28	Immunized	0.26	0.55	0.40	0.12	0.18	0.20	0.20	0.13	0.25	0.126
1	Medically delivered	0.25	0.32	0.25	0.13	0.17	0.16	0.26	0.16	0.19	0.911
25	Have health card	0.14	0.33	0.26	0.08	0.11	0.13	0.10	0.08	0.16	0.166
32	Given ORS	0.00	0.21	0.19	0.03	0.05	0.08	0.00	0.01	0.10	0.147
3	Mother received tetanus	0.15	0.19	0.15	0.08	0.10	0.10	0.15	0.09	0.12	0.908
	Contraceptive knowledge	**0.14**	**0.18**	**0.15**	**0.07**	**0.10**	**0.09**	**0.14**	**0.08**	**0.111**	
2	Know a modern method	0.15	0.20	0.16	0.08	0.10	0.10	0.15	0.09	0.12	0.746
4	Know a method	0.13	0.18	0.15	0.07	0.09	0.09	0.13	0.08	0.11	0.749
5	Know source for method	0.13	0.17	0.14	0.07	0.09	0.09	0.13	0.08	0.10	0.742
	Background or "life-time" variables	**0.06**	**0.11**	**0.10**	**0.04**	**0.05**	**0.05**	**0.06**	**0.04**	**0.066**	
8	Ever used a method	0.10	0.14	0.12	0.05	0.07	0.07	0.10	0.06	0.08	0.744
6	Illiterate	0.10	0.14	0.11	0.05	0.07	0.07	0.10	0.06	0.08	1.000
31	Children born to 40-49	0.00	0.12	0.12	0.02	0.02	0.05	0.00	0.00	0.06	0.182
9	Ideal family size	0.07	0.10	0.09	0.04	0.05	0.05	0.07	0.04	0.06	0.842
10	Age at marriage	0.04	0.07	0.06	0.02	0.03	0.03	0.03	0.02	0.04	0.750
	Current use of contraception	**0.06**	**0.09**	**0.08**	**0.03**	**0.04**	**0.05**	**0.05**	**0.04**	**0.055**	
11	Using any method	0.06	0.10	0.08	0.04	0.05	0.05	0.06	0.04	0.06	0.740
20	Using public source	0.03	0.06	0.06	0.02	0.03	0.03	0.02	0.02	0.04	0.730
14	Using modern method	0.06	0.10	0.08	0.04	0.05	0.05	0.06	0.04	0.06	0.722
15	Using IUD	0.04	0.08	0.07	0.03	0.04	0.04	0.04	0.03	0.04	0.758
17	Using pill	0.05	0.08	0.07	0.03	0.04	0.04	0.04	0.03	0.05	0.720
18	Using condom	0.11	0.16	0.13	0.06	0.08	0.08	0.11	0.07	0.09	0.633
21	Sterilized	0.04	0.08	0.07	0.03	0.03	0.04	0.03	0.03	0.04	0.685
	Child health	**0.02**	**0.06**	**0.06**	**0.01**	**0.02**	**0.03**	**0.01**	**0.01**	**0.034**	
26	Height for age	0.03	0.08	0.07	0.02	0.03	0.04	0.01	0.02	0.04	0.414
30	Weight for age	0.02	0.08	0.07	0.02	0.03	0.04	0.01	0.02	0.04	0.414
23	Had diarrhea	0.02	0.04	0.04	0.01	0.02	0.02	0.01	0.01	0.03	0.799
35	Weight for height	0.00	0.04	0.04	0.00	0.01	0.02	0.00	0.00	0.02	0.392
	Fertility related	**0.01**	**0.03**	**0.03**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.017**	
12	Births in last 5 years	0.02	0.04	0.04	0.01	0.02	0.02	0.01	0.01	0.02	1.000
13	Married	0.02	0.04	0.04	0.01	0.02	0.02	0.01	0.01	0.02	1.000
16	Children 0-4 years	0.02	0.04	0.03	0.01	0.02	0.02	0.01	0.01	0.02	1.000
19	Births 1-4 years	0.01	0.03	0.03	0.01	0.01	0.01	0.00	0.01	0.02	1.000
22	Children ever born	0.01	0.03	0.03	0.01	0.01	0.01	0.00	0.01	0.02	1.000
24	Children weighed	0.01	0.03	0.03	0.01	0.01	0.01	0.00	0.01	0.02	1.000
29	Births 5-9 years	0.00	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.01	1.000
36	Children 1-2 years	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.000
	Current fertility intentions	**0.01**	**0.03**	**0.03**	**0.01**	**0.01**	**0.02**	**0.00**	**0.01**	**0.020**	
27	Want no more children	0.01	0.04	0.04	0.01	0.01	0.02	0.00	0.01	0.02	0.744
33	Want to delay next birth	0.00	0.03	0.03	0.01	0.01	0.01	0.00	0.00	0.02	0.744
	Infant mortality	**0.01**	**0.02**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.00**	**0.013**	
7	Dead	0.02	0.03	0.02	0.01	0.01	0.01	0.02	0.01	0.02	3.369
34	IMR 1-4 years	0.00	0.02	0.03	0.00	0.01	0.01	0.00	0.00	0.01	0.724
37	IMR 5-9 years	0.00	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.779
Mean for all variables		0.06	0.11	0.09	0.03	0.04	0.05	0.05	0.03	0.060	0.794
n (women)		2,784	1,501	3,552	3,530	2,879	2,553	3,116	3,796	-	-
PSUs		186	92	154	110	116	82	240	158	-	-
b-bar		15.0	16.3	23.1	32.1	24.8	31.1	13.0	24.0	-	-
Dw		1.21	1.03	1.00	1.03	1.00	1.00	1.13	1.09	-	-

Table B.13.3—Continued

Deft rank (total sample)	Variable	Deft rank (total) 41 Senegal 2	42 Jordan 2	43 Zambia 2	44 Paraguay 2	45 Peru 2	46 Sri Lanka 1	47 Peru 1	48 T&T 1	Average over 48 countries	Average proportion of sample to which variable applies
	Medical care	**0.20**	**0.18**	**0.10**	**0.09**	**0.20**	**0.09**	**0.01**	**0.04**	**0.164**	
28	Immunized	0.31	0.29	0.14	0.13	0.33	0.11	0.02	0.01	0.25	0.126
1	Medically delivered	0.20	0.24	0.13	0.16	0.25	0.16	0.03	0.12	0.19	0.911
25	Have health card	0.21	0.17	0.10	0.08	0.20	0.07	0.01	0.00	0.16	0.166
32	Given ORS	0.15	0.06	0.05	0.01	0.09	0.00	0.00	0.00	0.10	0.147
3	Mother received tetanus	0.13	0.14	0.08	0.09	0.15	0.09	0.02	0.07	0.12	0.908
	Contraceptive knowledge	**0.12**	**0.13**	**0.08**	**0.09**	**0.14**	**0.08**	**0.01**	**0.06**	**0.111**	
2	Know a modern method	0.13	0.15	0.08	0.10	0.15	0.09	0.02	0.07	0.12	0.746
4	Know a method	0.12	0.13	0.07	0.09	0.14	0.08	0.01	0.06	0.11	0.749
5	Know source for method	0.12	0.13	0.07	0.08	0.13	0.08	0.01	0.05	0.10	0.742
	Background or 'life-time' variables	**0.08**	**0.07**	**0.04**	**0.04**	**0.07**	**0.04**	**0.01**	**0.02**	**0.066**	
8	Ever used a method	0.09	0.10	0.06	0.06	0.10	0.06	0.01	0.04	0.08	0.744
6	Illiterate	0.09	0.10	0.06	0.07	0.10	0.06	0.01	0.04	0.08	1.000
31	Children born to 40-49	0.10	0.02	0.03	0.00	0.04	0.00	0.00	0.00	0.06	0.182
9	Ideal family size	0.07	0.07	0.04	0.05	0.08	0.04	0.01	0.03	0.06	0.842
10	Age at marriage	0.05	0.04	0.03	0.02	0.04	0.02	0.00	0.01	0.04	0.750
	Current use of contraception	**0.07**	**0.06**	**0.04**	**0.04**	**0.07**	**0.03**	**0.01**	**0.02**	**0.055**	
11	Using any method	0.07	0.06	0.04	0.04	0.07	0.04	0.01	0.02	0.06	0.740
20	Using public source	0.05	0.04	0.02	0.02	0.04	0.02	0.00	0.01	0.04	0.730
14	Using modern method	0.07	0.06	0.04	0.04	0.07	0.04	0.01	0.02	0.06	0.722
15	Using IUD	0.06	0.05	0.03	0.03	0.05	0.03	0.00	0.01	0.04	0.758
17	Using pill	0.06	0.05	0.03	0.03	0.06	0.03	0.01	0.02	0.05	0.720
18	Using condom	0.11	0.11	0.06	0.07	0.12	0.07	0.01	0.04	0.09	0.633
21	Sterilized	0.06	0.05	0.03	0.03	0.05	0.02	0.00	0.01	0.04	0.685
	Child health	**0.05**	**0.02**	**0.02**	**0.01**	**0.03**	**0.01**	**0.00**	**0.00**	**0.034**	
26	Height for age	0.06	0.04	0.03	0.02	0.05	0.01	0.00	0.00	0.04	0.414
30	Weight for age	0.06	0.04	0.03	0.02	0.04	0.01	0.00	0.00	0.04	0.414
23	Had diarrhea	0.04	0.02	0.02	0.01	0.03	0.01	0.00	0.00	0.03	0.799
35	Weight for height	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.392
	Fertility related	**0.02**	**0.01**	**0.01**	**0.01**	**0.02**	**0.01**	**0.00**	**0.00**	**0.017**	
12	Births in last 5 years	0.03	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.02	1.000
13	Married	0.03	0.02	0.01	0.01	0.03	0.01	0.00	0.00	0.02	1.000
16	Children 0-4 years	0.03	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.02	1.000
19	Births 1-4 years	0.02	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.02	1.000
22	Children ever born	0.02	0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.02	1.000
24	Children weighed	0.02	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.02	1.000
29	Births 5-9 years	0.02	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.01	1.000
36	Children 1-2 years	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.000
	Current fertility intentions	**0.03**	**0.01**	**0.01**	**0.01**	**0.02**	**0.00**	**0.00**	**0.00**	**0.020**	
27	Want no more children	0.03	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.02	0.744
33	Want to delay next birth	0.03	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.744
	Infant mortality	**0.02**	**0.01**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.013**	
7	Dead	0.02	0.02	0.01	0.01	0.02	0.01	0.00	0.01	0.02	3.369
34	IMR 1-4 years	0.02	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.724
37	IMR 5-9 years	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.779
Mean for all variables		0.07	0.06	0.04	0.04	0.07	0.03	0.01	0.02	0.060	0.794
n (women)		3,675	1,877	3,702	2,926	4,105	4,854	3,420	2,078	-	-
PSUs		122	110	106	128	231	212	26	88	-	-
b-bar		30.1	17.1	34.9	22.9	17.8	22.9	131.5	23.6	-	-
Dw		1.00	1.12	1.04	1.05	1.05	1.05	1.00	1.00	-	-

Note: Roh is intracluster correlation. PSU is primary sampling unit. ORS is oral rehydration salts. IUD is intrauterine device. IMR is infant mortality rate. Number following country name indicates DHS-I or DHS-II survey.

Table B.14.1 Rohs for age-specific fertility (for the five years preceding survey) for total sample, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Age group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Average over age groups
1	Nigeria 2	0.018	0.018	0.014	0.022	0.024	0.021	0.036	0.022
2	Indonesia 1	0.017	0.016	0.014	0.018	0.023	0.015	0.019	0.017
3	Mexico 1	0.018	0.021	0.016	0.021	0.024	0.015	0.008	0.017
4	Indonesia 2	0.014	0.013	0.007	0.009	0.011	0.002	0.000	0.008
5	Egypt 1	0.008	0.009	0.008	0.008	0.010	0.006	0.004	0.008
6	Colombia 2	0.019	0.019	0.016	0.022	0.027	0.024	0.036	0.023
7	Northeast Brazil 2	0.044	0.052	0.049	0.058	0.060	0.049	0.093	0.058
8	Thailand 1	0.009	0.008	0.005	0.006	0.007	0.000	0.000	0.005
9	Morocco 1	0.014	0.016	0.015	0.021	0.027	0.020	0.028	0.020
10	Kenya 1	0.015	0.016	0.008	0.012	0.013	0.000	0.000	0.009
11	Tanzania 2	0.009	0.011	0.007	0.010	0.011	0.000	0.000	0.007
12	Nigeria (Ondo) 1	0.016	0.022	0.015	0.019	0.018	0.014	0.020	0.018
13	Niger 2	0.016	0.016	0.013	0.018	0.022	0.018	0.012	0.016
14	Dominican Republic 2	0.014	0.015	0.010	0.012	0.015	0.000	0.000	0.009
15	Liberia 1	0.008	0.009	0.005	0.008	0.009	0.001	0.000	0.006
16	Pakistan 2	0.013	0.012	0.009	0.012	0.014	0.002	0.000	0.009
17	Morocco 2	0.029	0.033	0.031	0.035	0.047	0.053	0.084	0.044
18	Burkina Faso 2	0.016	0.019	0.014	0.019	0.025	0.019	0.019	0.019
19	Cameroon 2	0.012	0.014	0.010	0.013	0.017	0.008	0.000	0.011
20	Tunisia 1	0.013	0.013	0.012	0.015	0.020	0.017	0.022	0.016
21	Colombia 1	0.025	0.027	0.025	0.033	0.041	0.037	0.057	0.035
22	Egypt 2	0.010	0.012	0.008	0.009	0.010	0.003	0.000	0.007
23	Ghana 1	0.016	0.015	0.012	0.016	0.021	0.013	0.005	0.014
24	Botswana 1	0.011	0.011	0.008	0.012	0.017	0.007	0.000	0.009
25	Guatemala 1	0.030	0.030	0.027	0.032	0.038	0.084	-	0.040
26	Madagascar 2	0.018	0.021	0.017	0.021	0.026	0.025	0.048	0.025
27	El Salvador 1	0.009	0.011	0.010	0.013	0.015	0.011	0.015	0.012
28	Togo 1	0.035	0.037	0.035	0.046	0.061	0.056	0.113	0.055
29	Burundi 1	0.013	0.012	0.008	0.012	0.016	0.006	0.000	0.010
30	Ecuador 1	0.023	0.024	0.021	0.026	0.033	0.027	0.045	0.028
31	Rwanda 2	0.015	0.018	0.014	0.017	0.022	0.018	0.029	0.019
32	Mali 1	0.021	0.019	0.012	0.017	0.020	0.011	0.000	0.014
33	Bolivia 1	0.051	0.056	0.042	0.052	0.060	0.046	0.070	0.054
34	Brazil 1	0.028	0.030	0.024	0.027	0.033	0.050	-	0.032
35	Sudan 1	0.009	0.010	0.008	0.012	0.014	0.006	0.000	0.008
36	Namibia 2	0.019	0.022	0.021	0.027	0.033	0.027	0.049	0.028
37	Zimbabwe 1	0.017	0.020	0.015	0.020	0.026	0.019	0.007	0.018
38	Senegal 1	0.016	0.017	0.015	0.020	0.030	0.022	0.035	0.022
39	Dominican Republic 1	0.020	0.025	0.017	0.025	0.028	0.002	0.000	0.017
40	Uganda 1	0.012	0.013	0.009	0.014	0.018	0.003	0.000	0.010
41	Senegal 2	0.022	0.026	0.021	0.025	0.030	0.027	0.057	0.030
42	Jordan 2	0.009	0.011	0.010	0.014	0.016	0.006	0.000	0.009
43	Zambia 2	0.016	0.021	0.018	0.024	0.034	0.024	0.028	0.023
44	Paraguay 2	0.019	0.021	0.015	0.018	0.021	0.010	0.000	0.015
45	Peru 2	0.033	0.038	0.032	0.038	0.045	0.035	0.054	0.039
46	Sri Lanka 1	0.007	0.007	0.003	0.004	0.004	0.000	0.000	0.004
47	Peru 1	0.023	0.028	0.025	0.030	0.034	0.030	0.056	0.032
48	Trinidad and Tobago 1	0.014	0.012	0.007	0.010	0.012	0.000	0.000	0.008
Average over countries		0.018	0.020	0.016	0.020	0.025	0.019	0.023	0.020
cv (of country defts)		50.2	52.0	60.6	55.8	54.3	96.4	124.9	67.2

Note: Roh is intracluster correlation. cv is coefficient of variation. Number following country name indicates DHS-I or DHS-II survey.

Table B.14.2 Rohs for infant mortality rates, Demographic and Health Surveys I and II

Deft rank (total sample)	Country	Total	Urban	Rural
1	Nigeria 2	0.001	0.000	0.000
2	Indonesia 1	0.045	0.000	0.043
3	Mexico 1	0.000	0.000	0.024
4	Indonesia 2	0.000	0.000	0.000
5	Egypt 1	0.019	0.000	0.020
6	Colombia 2	0.011	0.010	0.055
7	Northeast Brazil 2	0.024	0.000	0.022
8	Thailand 1	0.000	0.007	0.000
9	Morocco 1	0.052	0.059	0.001
10	Kenya 1	0.008	0.008	0.006
11	Tanzania 2	0.041	0.084(a)	0.024
12	Nigeria (Ondo) 1	0.000	0.008	0.004
13	Niger 2	0.017	0.037	0.017
14	Dominican Republic	0.000	0.000	0.000
15	Liberia 1	0.010	0.008	0.011
16	Pakistan 2	0.000	0.000	0.000
17	Morocco 2	0.014	0.011	0.008
18	Burkina Faso 2	0.000	0.006	0.000
19	Cameroon 2	0.000	0.000	0.000
20	Tunisia 1	0.001	0.005	0.000
21	Colombia 1	0.000	0.000	0.002
22	Egypt 2	0.055	0.064	0.046
23	Ghana 1	0.020	0.017	0.016
24	Botswana 1	0.012	0.027	0.017
25	Guatemala 1	0.015	0.020	0.012
26	Madagascar 2	0.004	0.007	0.011
27	El Salvador 1	0.001	0.000	0.000
28	Togo 1	0.062	0.014	0.033
29	Burundi 1	0.010	0.000	0.008
30	Ecuador 1	0.000	0.000	0.000
31	Rwanda 2	0.006	0.000	0.005
32	Mali 1	0.003	0.021	0.004
33	Bolivia 1	0.063	0.016	0.039
34	Brazil 1	0.053	0.000	0.029
35	Sudan 1	0.001	0.000	0.002
36	Namibia 2	0.070	0.012	0.112(a)
37	Zimbabwe 1	0.009	0.000	0.010
38	Senegal 1	0.008	0.000	0.011
39	Dominican Republic	0.000	0.000	0.000
40	Uganda 1	0.002	0.000	0.002
41	Senegal 2	0.011	0.000	0.010
42	Jordan 2	0.013	0.000	0.001
43	Zambia 2	0.014	0.023	0.011
44	Paraguay 2	0.002	0.000	0.005
45	Peru 2	0.123(a)	0.040	0.056
46	Sri Lanka 1	0.041	0.018	0.021
47	Peru 1	0.000	0.000	0.001
48	Trinidad and Tobago	0.029	0.062	0.007
Average over countries		0.016	0.011	0.013
cv (of country defts)		1.258	1.555	1.191

Note: Number following country name indicates DHS-I or DHS-II survey. cv is coefficient of variation.
(a) Extreme values excluded

Table B.15 Defts for demographic subclasses, Demographic and Health Surveys I and II
Variable: Using modem method

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.30	4	0.22	1.21	0.547
			6	0.10	1.16	0.303
			9	0.48	1.13	0.198
			10	0.34	1.16	0.321
Ghana	1.00	1.16	2	0.19	1.14	0.841
			3	0.24	1.03	0.188
			6	0.10	1.00	0.006
			8	0.24	1.16	0.973
			10	0.34	1.08	0.500
Kenya	1.27	1.42	6	0.11	1.30	0.140
			7	0.07	1.37	0.658
			10	0.34	1.38	0.728
Liberia	1.13	1.48	3	0.22	1.47	0.951
			4	0.15	1.23	0.256
			5	0.15	1.35	0.580
			6	0.09	1.22	0.218
			7	0.09	1.15	0.041
			8	0.29	1.14	0.021
			10	0.33	1.43	0.833
Nigeria (Ondo)	1.00	1.43	3	0.18	1.15	0.301
			4	0.19	1.13	0.257
			5	0.16	1.25	0.554
			6	0.16	1.07	0.130
			7	0.15	1.12	0.240
			10	0.47	1.32	0.716
Sudan	1.00	1.25	2	0.17	1.15	0.569
			3	0.24	1.12	0.452
			5	0.18	1.16	0.627
			7	0.08	1.02	0.086
			8	0.23	1.15	0.582
			9	0.40	1.09	0.338
			10	0.36	1.13	0.472
Togo	1.00	1.15	3	0.23	1.02	0.093
			10	0.32	1.02	0.143
Zimbabwe	1.00	1.21	1	0.07	1.07	0.294
			5	0.15	1.11	0.518
			6	0.10	1.03	0.129
			7	0.09	1.03	0.151
			8	0.26	1.17	0.813
			10	0.34	1.04	0.156
Asia/Near East/North Africa						
Egypt	1.03	2.22	2	0.16	1.16	0.074
			3	0.20	1.34	0.191
			4	0.18	1.23	0.120
			5	0.18	1.32	0.177
			6	0.13	1.33	0.186
Egypt	1.03	2.22	7	0.10	1.20	0.100
			8	0.21	1.39	0.225
			9	0.38	1.62	0.400
			10	0.41	1.66	0.438
Indonesia	1.20	2.07	2	0.17	1.41	0.198
			3	0.22	1.41	0.197
			4	0.19	1.33	0.119
			5	0.14	1.28	0.073
			6	0.12	1.61	0.408
			7	0.11	1.33	0.122
			8	0.21	1.52	0.303
			9	0.41	1.77	0.595
			10	0.37	1.63	0.426
Morocco	1.00	1.78	1	0.05	1.05	0.051
			2	0.14	1.12	0.112
			3	0.22	1.34	0.369
			4	0.20	1.31	0.326
			5	0.16	1.13	0.124
			7	0.12	1.15	0.149
			8	0.20	1.21	0.210
			9	0.41	1.61	0.724
			10	0.39	1.35	0.378
Sri Lanka	1.05	1.20	2	0.13	1.16	0.714
			4	0.21	1.13	0.517
			5	0.19	1.09	0.235
			7	0.10	1.09	0.280
			8	0.15	1.15	0.652
			9	0.41	1.18	0.873
			10	0.44	1.15	0.632
Thailand	1.21	1.57	1	0.05	1.31	0.250
			2	0.16	1.54	0.931
			3	0.20	1.30	0.219
			4	0.20	1.35	0.355
			9	0.40	1.49	0.756
			10	0.39	1.28	0.177
Tunisia	1.00	1.43	2	0.13	1.16	0.321
			3	0.21	1.22	0.466
			4	0.23	1.21	0.450
			5	0.18	1.01	0.015
			7	0.10	1.08	0.158
			8	0.15	1.10	0.206
			10	0.41	1.38	0.856
Latin America/Caribbean						
Bolivia	1.21	1.25	3	0.21	1.23	0.657
			10	0.41	1.23	0.626
Brazil	1.06	1.22	1	0.05	1.11	0.299
			2	0.17	1.09	0.190
			3	0.21	1.12	0.361

Table B.15—Continued
Variable: Using modem method

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Brazil	1.06	1.22	5	0.19	1.16	0.587
			6	0.15	1.10	0.232
			8	0.22	1.16	0.632
			10	0.34	1.17	0.651
Colombia	1.03	1.24	2	0.18	1.10	0.330
			3	0.21	1.09	0.254
			4	0.19	1.09	0.254
			5	0.16	1.07	0.163
			8	0.23	1.20	0.797
			9	0.41	1.10	0.299
			10	0.37	1.22	0.900
Dominican Republic	1.16	1.24	3	0.20	1.19	0.343
			4	0.18	1.17	0.130
			9	0.38	1.23	0.958
Ecuador	1.00	1.37	1	0.06	1.07	0.168
			2	0.17	1.13	0.323
			3	0.22	1.08	0.195
			4	0.19	1.01	0.014
			5	0.16	1.04	0.085
			6	0.11	1.12	0.300
			7	0.08	1.02	0.054
			8	0.23	1.03	0.071
			9	0.42	1.17	0.425
			10	0.35	1.02	0.054
El Salvador	1.03	1.30	1	0.09	1.14	0.360
			2	0.20	1.16	0.427
			4	0.18	1.15	0.390
			6	0.11	1.17	0.472
			7	0.09	1.10	0.237
			9	0.38	1.08	0.159
			10	0.33	1.14	0.386
Guatemala	1.00	1.45	1	0.08	1.03	0.046
			2	0.19	1.02	0.033
			4	0.20	1.08	0.154
			5	0.18	1.16	0.305
			6	0.12	1.07	0.128
			8	0.27	1.15	0.288
			9	0.43	1.13	0.251
			10	0.30	1.15	0.299
Mexico	1.43	2.12	2	0.16	1.59	0.195
			4	0.19	1.48	0.065
			5	0.16	1.57	0.179
			6	0.12	1.55	0.145
			9	0.40	1.50	0.089
			10	0.38	1.51	0.103
Peru	1.00	1.18	2	0.14	1.02	0.125
			3	0.19	1.18	0.988
			4	0.19	1.06	0.308
Peru	1.00	1.18	5	0.17	1.02	0.094
			6	0.14	1.07	0.346
			9	0.39	1.16	0.879
Trinidad and Tobago	1.00	1.16	2	0.17	1.04	0.212
			7	0.09	1.02	0.091
			8	0.23	1.01	0.068
			9	0.42	1.02	0.120
DHS-II						
Sub-Saharan Africa						
Namibia	1.03	1.63	8	0.19	1.32	0.423
			9	0.38	1.31	0.418
			10	0.43	1.38	0.531
Rwanda	1.04	1.59	8	0.20	1.24	0.306
			9	0.44	1.32	0.455
			10	0.36	1.11	0.102
Senegal	1.00	1.13	8	0.27	1.06	0.466
			9	0.37	1.05	0.345
Tanzania	1.25	1.43	8	0.31	1.33	0.461
Zambia	1.02	1.37	8	0.34	1.17	0.385
			9	0.38	1.32	0.849
			10	0.28	1.05	0.070
Asia/Near East/North Africa						
Egypt	1.12	1.68	8	0.19	1.29	0.261
			9	0.40	1.18	0.099
			10	0.41	1.44	0.526
Indonesia	1.39	2.03	8	0.20	1.52	0.182
			9	0.42	1.62	0.314
			10	0.39	1.74	0.506
Jordan	1.00	1.79	7	0.18	1.27	0.273
			9	0.39	1.31	0.330
			9	0.38	1.16	0.403
			10	0.43	1.36	0.387
Latin America/Caribbean						
Colombia	1.20	1.57	8	0.21	1.52	0.850
			9	0.42	1.44	0.620
			10	0.37	1.43	0.586
Dominican Republic	1.35	1.62	8	0.26	1.51	0.594
			10	0.35	1.44	0.300
Paraguay	1.05	1.21	8	0.21	1.13	0.466
			9	0.38	1.12	0.386
			10	0.41	1.08	0.199

Table B.15—Continued
Variable: Age at marriage

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.34	2	0.15	1.13	0.141
			3	0.25	1.19	0.398
			4	0.23	1.21	0.466
			6	0.11	1.20	0.422
			8	0.15	1.13	0.141
Burundi	1.06	1.54	2	0.18	1.19	0.247
			3	0.26	1.31	0.470
			4	0.20	1.09	0.065
			5	0.16	1.46	0.818
			6	0.09	1.17	0.202
			8	0.18	1.06	0.008
			9	0.47	1.33	0.531
			10	0.35	1.11	0.095
Ghana	1.00	1.28	2	0.20	1.07	0.232
			3	0.24	1.01	0.029
			4	0.19	1.19	0.646
			5	0.16	1.08	0.259
			8	0.20	1.22	0.764
			9	0.43	1.20	0.710
Kenya	1.27	1.53	3	0.24	1.44	0.636
			8	0.19	1.50	0.881
			10	0.37	1.49	0.843
Liberia	1.13	1.41	4	0.17	1.40	0.956
			6	0.10	1.18	0.172
			7	0.11	1.32	0.662
			8	0.20	1.14	0.034
Mali	1.10	1.38	2	0.20	1.13	0.101
			3	0.24	1.28	0.602
			4	0.20	1.26	0.533
			5	0.16	1.29	0.650
			8	0.20	1.13	0.101
			9	0.43	1.37	0.953
Nigeria (Ondo)	1.00	2.09	2	0.12	1.46	0.331
			3	0.18	1.60	0.463
			4	0.19	1.37	0.262
			5	0.17	1.16	0.103
			6	0.17	1.10	0.065
			7	0.17	1.32	0.223
			8	0.12	1.33	0.230
			9	0.38	1.40	0.285
			10	0.51	1.34	0.234
Senegal	1.00	1.17	2	0.22	1.04	0.221
			4	0.20	1.10	0.538
			5	0.15	1.00	0.021
			6	0.09	1.12	0.655
			8	0.22	1.05	0.265
Senegal	1.00	1.17	9	0.45	1.16	0.938
			10	0.33	1.05	0.260
Sudan	1.00	1.27	3	0.25	1.12	0.402
			4	0.18	1.18	0.644
			5	0.19	1.04	0.135
			7	0.10	1.20	0.707
			8	0.17	1.12	0.424
			10	0.40	1.14	0.491
Togo	1.00	1.23	2	0.21	1.20	0.835
			3	0.24	1.22	0.943
			4	0.19	1.01	0.027
			8	0.21	1.07	0.277
			9	0.43	1.05	0.187
			10	0.36	1.06	0.232
Uganda	1.11	1.29	3	0.25	1.13	0.124
			5	0.14	1.17	0.305
			8	0.24	1.27	0.879
Zimbabwe	1.00	1.21	2	0.21	1.04	0.178
			3	0.22	1.09	0.400
			5	0.16	1.10	0.472
			7	0.10	1.07	0.316
			8	0.21	1.07	0.334
			9	0.42	1.16	0.742
Asia/Near-East/North Africa						
Egypt	1.03	2.62	2	0.17	1.32	0.118
			3	0.20	1.65	0.286
			4	0.18	1.70	0.318
			5	0.19	1.45	0.181
			6	0.14	1.31	0.113
			7	0.12	1.18	0.059
			8	0.17	1.32	0.116
			9	0.38	2.21	0.658
			10	0.45	1.82	0.393
Indonesia	1.20	2.45	2	0.17	1.44	0.138
			3	0.23	1.51	0.183
			4	0.19	1.46	0.150
			5	0.15	1.41	0.119
			6	0.13	1.64	0.273
			7	0.13	1.40	0.116
			8	0.17	1.53	0.201
			9	0.42	1.81	0.406
			10	0.41	1.95	0.518
Morocco	1.00	1.51	2	0.15	1.04	0.056
			3	0.23	1.42	0.808
			4	0.20	1.07	0.121
			5	0.16	1.03	0.055
			6	0.12	1.25	0.440
			7	0.13	1.12	0.195

Table B.15—Continued
Variable: Age at marriage

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Morocco	1.00	1.51	8	0.15	1.20	0.341
			9	0.43	1.40	0.761
			10	0.42	1.25	0.440
Sri Lanka	1.05	1.50	2	0.13	1.08	0.053
			3	0.20	1.22	0.346
			4	0.21	1.20	0.287
			5	0.20	1.15	0.190
			6	0.16	1.21	0.323
			8	0.13	1.08	0.053
			9	0.40	1.40	0.750
			10	0.47	1.31	0.540
Thailand	1.21	1.63	4	0.21	1.28	0.142
			5	0.18	1.23	0.039
			6	0.13	1.23	0.048
			7	0.12	1.46	0.565
			9	0.41	1.37	0.358
			10	0.43	1.44	0.511
Tunisia	1.00	1.42	2	0.13	1.09	0.192
			3	0.21	1.06	0.114
			4	0.23	1.11	0.229
			5	0.18	1.16	0.333
			6	0.14	1.11	0.229
			7	0.11	1.20	0.422
			8	0.13	1.06	0.112
			9	0.44	1.24	0.532
Latin America/Caribbean						
Bolivia	1.21	1.32	3	0.21	1.26	0.463
			6	0.14	1.23	0.128
Brazil	1.06	1.26	2	0.18	1.09	0.159
			5	0.20	1.20	0.674
			6	0.17	1.08	0.116
			8	0.18	1.07	0.032
			9	0.45	1.25	0.967
			10	0.37	1.13	0.353
Colombia	1.03	1.61	2	0.18	1.19	0.234
			3	0.22	1.03	0.010
			4	0.20	1.31	0.435
			5	0.17	1.23	0.304
			6	0.13	1.19	0.239
			7	0.12	1.19	0.243
			8	0.18	1.13	0.143
			9	0.41	1.27	0.372
			10	0.41	1.40	0.593
Dominican Republic	1.16	1.45	2	0.22	1.18	0.052
			3	0.22	1.24	0.242
			4	0.19	1.36	0.668
			6	0.12	1.35	0.618
			7	0.11	1.23	0.213
Dominican Republic	1.16	1.45	8	0.22	1.21	0.149
			9	0.41	1.33	0.544
			10	0.38	1.20	0.133
Ecuador	1.00	1.18	3	0.23	1.06	0.325
			4	0.20	1.04	0.204
			6	0.12	1.10	0.515
			7	0.09	1.03	0.137
			9	0.43	1.16	0.883
			10	0.39	1.02	0.111
El Salvador	1.03	1.46	2	0.21	1.11	0.147
			3	0.22	1.40	0.831
			4	0.19	1.24	0.433
			6	0.12	1.06	0.048
			7	0.11	1.37	0.766
Guatemala	1.00	1.14	3	0.25	1.11	0.755
			4	0.21	1.11	0.778
			5	0.19	1.07	0.517
			6	0.14	1.03	0.222
			9	0.46	1.13	0.938
			10	0.33	1.02	0.110
Mexico	1.43	1.66	3	0.21	1.56	0.543
			4	0.20	1.48	0.227
			10	0.42	1.48	0.211
Peru	1.00	1.27	2	0.17	1.09	0.318
			9	0.40	1.07	0.684
			10	0.45	1.05	0.499
Trinidad and Tobago	1.00	1.24	2	0.18	1.07	0.265
			3	0.24	1.08	0.306
			4	0.19	1.13	0.535
			5	0.15	1.02	0.092
			7	0.10	1.05	0.181
			9	0.43	1.12	0.480
			10	0.38	1.06	0.229
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.63	8	0.23	1.36	0.445
			9	0.43	1.25	0.242
			10	0.34	1.38	0.475
Cameroon	1.08	1.97	8	0.23	1.60	0.517
			9	0.42	1.58	0.489
			10	0.35	1.26	0.159
Madagascar	1.06	1.45	8	0.20	1.24	0.426
			9	0.42	1.18	0.265
			10	0.38	1.08	0.052
Namibia	1.03	1.45	8	0.15	1.23	0.432
			9	0.40	1.07	0.088
			10	0.45	1.38	0.806
Niger	1.12	1.43	8	0.22	1.30	0.558

Table B.15—Continued
Variable: Age at marriage

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Niger	1.12	1.43	9	0.44	1.26	0.442
			10	0.33	1.22	0.292
Nigeria	1.36	2.65	8	0.19	1.43	0.037
			9	0.45	2.64	0.994
			10	0.37	1.81	0.277
Rwanda	1.04	1.76	8	0.16	1.23	0.214
			9	0.44	1.49	0.566
			10	0.40	1.31	0.310
Senegal	1.00	1.23	8	0.19	1.04	0.180
			9	0.41	1.16	0.676
			10	0.40	1.19	0.831
Tanzania	1.25	1.37	8	0.23	1.32	0.602
Zambia	1.02	1.17	8	0.24	1.04	0.136
			9	0.43	1.13	0.736
			10	0.33	1.09	0.426
Asia/Near East/North Africa						
Egypt	1.12	1.98	8	0.15	1.32	0.185
			9	0.40	1.69	0.602
			10	0.45	1.51	0.384
Indonesia	1.39	2.00	8	0.15	1.58	0.276
			9	0.42	1.60	0.303
			10	0.42	1.68	0.436
Jordan	1.08	1.27	8	0.18	1.11	0.134
			9	0.40	1.16	0.390
			10	0.42	1.14	0.288
Morocco	1.00	1.32	8	0.14	1.30	0.936
			9	0.40	1.21	0.629
			10	0.46	1.30	0.925
Pakistan	1.34	1.61	9	0.43	1.51	0.621
			10	0.40	1.50	0.568
Latin America/Caribbean						
Northeast Brazil	1.29	1.22	10	0.47	1.24	0.736
Colombia	1.20	1.49	8	0.17	1.46	0.908
			9	0.43	1.26	0.197
			10	0.40	1.37	0.550
Dominican Republic	1.35	1.76	8	0.20	1.41	0.121
			10	0.39	1.59	0.554
Paraguay	1.05	1.40	10	0.43	1.37	0.908
Peru	1.07	1.28	8	0.15	1.08	0.064
			9	0.40	1.23	0.752
			10	0.45	1.16	0.440

Table B.15—Continued

Variable: Ideal Family Size

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.52	2	0.22	1.25	0.336
			3	0.20	1.34	0.555
			4	0.15	1.09	0.004
			5	0.10	1.36	0.601
			6	0.06	1.10	0.016
			8	0.44	1.12	0.053
			9	0.35	1.33	0.531
			10	0.21	1.29	0.423
Burundi	1.06	1.82	1	0.19	1.07	0.013
			2	0.20	1.21	0.162
			3	0.21	1.33	0.295
			4	0.15	1.23	0.185
			5	0.12	1.29	0.250
			8	0.39	1.27	0.227
			9	0.36	1.34	0.306
Ghana	1.00	2.46	1	0.19	1.22	0.096
			2	0.20	1.39	0.184
			3	0.20	1.48	0.235
			4	0.14	1.25	0.112
			5	0.11	1.19	0.080
			6	0.08	1.14	0.060
			7	0.07	1.24	0.106
			8	0.39	1.53	0.264
			9	0.35	1.53	0.264
			10	0.26	1.47	0.226
Kenya	1.27	2.44	1	0.21	1.63	0.234
			2	0.20	1.63	0.239
			3	0.19	1.83	0.399
			4	0.14	1.27	0.000
			6	0.08	1.57	0.197
			8	0.41	2.29	0.833
			9	0.33	1.86	0.419
			10	0.25	1.53	0.166
Liberia	1.13	1.58	1	0.23	1.27	0.264
			2	0.20	1.17	0.073
			4	0.13	1.22	0.168
			5	0.12	1.39	0.539
			7	0.06	1.21	0.140
			8	0.43	1.55	0.928
			10	0.25	1.26	0.252
Mali	1.10	1.54	1	0.18	1.10	0.005
Mali	1.10	1.54	2	0.19	1.22	0.239
			4	0.15	1.28	0.375
			5	0.12	1.10	0.001
			6	0.08	1.11	0.024
			7	0.06	1.11	0.015
			8	0.37	1.22	0.235
			9	0.36	1.38	0.600
			10	0.27	1.18	0.157
Nigeria (Ondo)	1.00	2.12	1	0.31	1.78	0.615
			2	0.15	1.11	0.066
			3	0.14	1.53	0.382
			4	0.12	1.51	0.366
			5	0.10	1.21	0.131
			6	0.09	1.08	0.050
			7	0.09	1.10	0.057
			8	0.46	1.54	0.388
			9	0.26	1.42	0.293
			10	0.28	1.37	0.251
Senegal	1.00	1.65	1	0.22	1.15	0.193
			2	0.21	1.26	0.341
			3	0.19	1.08	0.095
			4	0.15	1.04	0.043
			5	0.11	1.13	0.158
			6	0.06	1.00	0.001
			7	0.06	1.14	0.176
			8	0.43	1.46	0.670
			9	0.34	1.18	0.229
			10	0.23	1.05	0.059
Sudan	1.00	1.32	2	0.20	1.01	0.021
			3	0.26	1.12	0.346
			4	0.17	1.19	0.569
			5	0.16	1.01	0.035
			6	0.08	1.04	0.109
			7	0.07	1.07	0.200
			8	0.27	1.11	0.304
			9	0.42	1.24	0.719
			10	0.31	1.15	0.428
Togo	1.00	1.84	1	0.22	1.29	0.280
			2	0.20	1.35	0.348
			3	0.18	1.15	0.137
			4	0.14	1.23	0.220
			6	0.08	1.15	0.137
			7	0.07	1.13	0.113

Table B.15—Continued

Variable: Ideal Family Size

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Togo	1.00	1.84	8	0.41	1.72	0.829
			9	0.33	1.41	0.413
			10	0.26	1.24	0.223
Uganda	1.11	1.75	1	0.26	1.16	0.067
			2	0.21	1.54	0.622
			3	0.19	1.12	0.019
			4	0.13	1.18	0.090
			6	0.07	1.40	0.403
			9	0.31	1.53	0.604
			10	0.22	1.43	0.443
Zimbabwe	1.00	1.28	1	0.26	1.02	0.071
			3	0.16	1.02	0.061
			4	0.14	1.00	0.013
			5	0.11	1.03	0.084
			6	0.07	1.04	0.126
			7	0.06	1.01	0.035
			8	0.47	1.25	0.896
			10	0.23	1.27	0.952
Asia/Near East/North Africa						
Egypt	1.03	1.69	1	0.05	1.04	0.009
			2	0.16	1.15	0.152
			3	0.19	1.28	0.327
			5	0.18	1.19	0.206
			6	0.13	1.06	0.040
			7	0.11	1.09	0.075
			8	0.21	1.28	0.331
			9	0.37	1.37	0.463
			10	0.42	1.40	0.501
Indonesia	1.20	2.24	1	0.05	1.37	0.126
			2	0.17	1.50	0.227
			3	0.23	1.68	0.392
			4	0.19	1.67	0.380
			5	0.14	1.26	0.044
			6	0.11	1.64	0.352
			7	0.11	1.26	0.040
			8	0.22	1.75	0.454
			9	0.42	1.99	0.712
			10	0.36	1.93	0.642
Morocco	1.00	1.60	1	0.05	1.29	0.427
			2	0.15	1.40	0.617
			3	0.23	1.25	0.368
			4	0.20	1.04	0.055
			5	0.15	1.04	0.047
Morocco	1.00	1.60	6	0.11	1.18	0.245
			9	0.43	1.45	0.704
			10	0.36	1.20	0.290
Sri Lanka	1.05	1.37	2	0.13	1.11	0.161
			3	0.20	1.07	0.066
			4	0.21	1.08	0.068
			5	0.19	1.22	0.486
			7	0.10	1.05	0.003
			8	0.15	1.17	0.345
			9	0.41	1.20	0.445
			10	0.44	1.24	0.545
Thailand	1.21	2.11	1	0.05	1.35	0.119
			2	0.15	1.29	0.067
			3	0.20	2.03	0.888
			4	0.20	1.72	0.498
			5	0.17	1.53	0.293
			7	0.11	1.40	0.162
			8	0.20	1.46	0.221
			10	0.41	1.44	0.202
Tunisia	1.00	1.79	1	0.02	1.00	0.004
			2	0.13	1.51	0.578
			3	0.21	1.11	0.106
			4	0.23	1.28	0.293
			5	0.18	1.49	0.551
			6	0.13	1.30	0.314
			7	0.10	1.05	0.047
			8	0.15	1.68	0.828
			9	0.44	1.55	0.639
			10	0.41	1.58	0.679
Latin America/Caribbean						
Bolivia	1.21	1.40	1	0.21	1.22	0.017
			2	0.17	1.34	0.683
			3	0.17	1.22	0.037
			4	0.14	1.25	0.211
			5	0.13	1.31	0.481
			6	0.09	1.29	0.395
			8	0.38	1.26	0.242
			9	0.31	1.31	0.491
			10	0.30	1.36	0.755
Brazil	1.06	1.37	1	0.22	1.18	0.350
			2	0.20	1.09	0.077
			3	0.18	1.15	0.255
			4	0.16	1.20	0.423

Table B.15—Continued

Variable: Idea Family Size

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Brazil	1.06	1.37	6	0.11	1.09	0.097
			8	0.42	1.10	0.117
			9	0.34	1.24	0.536
			10	0.24	1.17	0.341
Colombia	1.03	1.26	1	0.23	1.24	0.915
			3	0.17	1.11	0.316
			7	0.07	1.09	0.266
			10	0.26	1.21	0.762
Dominican Republic	1.16	1.19	2	0.21	1.17	0.220
Ecuador	1.00	1.58	1	0.22	1.16	0.224
			2	0.20	1.07	0.094
			3	0.18	1.27	0.411
			4	0.14	1.05	0.070
			5	0.12	1.17	0.252
			6	0.08	1.09	0.119
			7	0.06	1.30	0.467
			8	0.42	1.21	0.313
			9	0.32	1.27	0.415
			10	0.26	1.34	0.525
El Salvador	1.03	1.90	1	0.24	1.32	0.263
			2	0.20	1.42	0.366
			3	0.16	1.21	0.156
			4	0.13	1.24	0.184
			5	0.11	1.18	0.130
			6	0.08	1.35	0.290
			7	0.08	1.10	0.058
			8	0.44	1.45	0.403
			9	0.30	1.57	0.552
			10	0.27	1.69	0.705
Guatemala	1.00	1.48	1	0.23	1.16	0.286
			2	0.20	1.06	0.101
			4	0.15	1.30	0.591
			5	0.14	1.04	0.074
			6	0.10	1.19	0.357
			8	0.43	1.41	0.825
			9	0.34	1.30	0.578
			10	0.24	1.20	0.363
Mexico	1.43	1.98	1	0.25	1.53	0.158
			2	0.19	1.78	0.608
			3	0.16	1.47	0.068
			4	0.14	1.54	0.180
			5	0.11	1.50	0.106
			7	0.07	1.51	0.122
Mexico	1.43	1.98	8	0.43	1.69	0.429
			9	0.30	1.55	0.191
			10	0.27	1.60	0.272
Peru	1.00	1.35	1	0.22	1.00	0.005
			2	0.19	1.04	0.109
			3	0.16	1.19	0.497
			4	0.14	1.06	0.137
			5	0.12	1.01	0.015
			6	0.10	1.02	0.059
			9	0.30	1.33	0.919
Trinidad and Tobago	1.00	1.08	1	0.18	1.03	0.432
			4	0.14	1.01	0.100
			5	0.12	1.05	0.654
			7	0.07	1.02	0.265
			10	0.28	1.05	0.641
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.91	8	0.45	1.61	0.564
			9	0.32	1.49	0.414
			10	0.22	1.33	0.231
Madagascar	1.06	2.06	8	0.44	1.70	0.570
			9	0.31	1.51	0.374
			10	0.24	1.11	0.035
Namibia	1.03	1.64	8	0.46	1.51	0.751
			10	0.24	1.41	0.573
Niger	1.12	1.93	8	0.42	1.85	0.881
			9	0.34	1.50	0.401
			10	0.24	1.19	0.069
Nigeria	1.36	2.04	8	0.47	1.89	0.741
			9	0.33	1.44	0.098
			10	0.20	1.56	0.248
Rwanda	1.04	1.53	8	0.42	1.33	0.535
			9	0.32	1.26	0.386
			10	0.26	1.06	0.027
Senegal	1.00	1.65	8	0.43	1.39	0.541
			9	0.31	1.14	0.177
			10	0.27	1.19	0.240
Tanzania	1.25	2.03	8	0.46	1.52	0.287
			9	0.30	1.64	0.434
			10	0.25	1.31	0.060
Zambia	1.02	1.36	8	0.49	1.19	0.475
			9	0.30	1.14	0.329
			10	0.21	1.10	0.200

Table B.15—Continued
Variable: Ideal Family Size

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Asia/Near East/North Africa						
Egypt	1.12	1.33	9	0.40	1.29	0.811
			10	0.40	1.15	0.125
Indonesia	1.39	1.62	8	0.21	1.56	0.721
			9	0.43	1.53	0.614
			10	0.36	1.47	0.354
Jordan	1.08	1.26	9	0.40	1.14	0.332
			10	0.34	1.24	0.878
Morocco	1.00	2.02	8	0.18	1.32	0.238
			9	0.38	1.67	0.582
			10	0.43	1.50	0.406
Pakistan	1.34	1.50	8	0.24	1.37	0.205
			9	0.43	1.38	0.223
Latin America/Caribbean						
Northeast Brasil	1.29	2.22	8	0.41	1.70	0.376
			8	0.46	1.86	0.792
			9	0.31	1.61	0.488
Colombia	1.20	1.78	8	0.41	1.65	0.744
			10	0.26	1.53	0.519
Paraguay	1.05	1.40	8	0.42	1.35	0.848
			9	0.31	1.07	0.040
			10	0.27	1.29	0.648
Peru	1.07	1.19	8	0.41	1.17	0.841
			9	0.30	1.10	0.280
			10	0.29	1.08	0.125

Table B.15—Continued

Variable: Births in the last 5 years

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.22	1	0.22	1.21	0.912
			2	0.22	1.18	0.682
			4	0.15	1.09	0.014
			6	0.06	1.10	0.101
			9	0.35	1.15	0.428
Burundi	1.06	1.27	2	0.20	1.08	0.109
			5	0.12	1.11	0.233
			7	0.07	1.18	0.548
			10	0.26	1.12	0.264
Ghana	1.00	1.37	1	0.19	1.02	0.048
			3	0.19	1.05	0.110
			5	0.12	1.16	0.397
			6	0.08	1.00	0.005
			7	0.08	1.03	0.072
			8	0.38	1.15	0.360
			9	0.34	1.14	0.329
			10	0.28	1.23	0.579
Kenya	1.27	1.43	7	0.06	1.42	0.914
			8	0.40	1.42	0.895
			10	0.27	1.38	0.644
Liberia	1.13	1.40	1	0.22	1.32	0.681
			7	0.08	1.21	0.276
			9	0.32	1.16	0.085
			10	0.27	1.18	0.147
Mali	1.10	1.43	1	0.17	1.18	0.214
			2	0.17	1.12	0.056
			3	0.20	1.35	0.758
			4	0.16	1.30	0.588
			5	0.13	1.17	0.211
			6	0.09	1.16	0.183
			8	0.34	1.22	0.332
			9	0.36	1.25	0.422
			10	0.30	1.37	0.801
Nigeria (Ondo)	1.00	2.26	1	0.26	1.41	0.244
			2	0.13	1.39	0.230
			3	0.13	1.33	0.185
			4	0.13	1.13	0.065
			5	0.11	1.02	0.008
			7	0.11	1.13	0.067
			8	0.40	1.58	0.369
			9	0.26	1.30	0.166
			10	0.34	1.34	0.193
Senegal	1.00	1.25	1	0.22	1.10	0.385
			2	0.20	1.15	0.569
			3	0.19	1.07	0.242
			6	0.07	1.09	0.319
Senegal	1.00	1.25	7	0.06	1.09	0.346
			8	0.42	1.13	0.472
			9	0.34	1.12	0.456
			10	0.24	1.06	0.201
Sudan	1.00	1.25	1	0.06	1.12	0.454
			2	0.16	1.00	0.014
			3	0.23	1.12	0.438
			4	0.17	1.07	0.255
			5	0.18	1.02	0.072
			6	0.11	1.10	0.387
			7	0.09	1.02	0.083
			9	0.40	1.19	0.743
			10	0.38	1.16	0.617
Togo	1.00	1.20	3	0.18	1.07	0.349
			5	0.11	1.15	0.737
			7	0.07	1.03	0.152
			8	0.41	1.11	0.527
			9	0.33	1.05	0.254
Uganda	1.11	1.19	1	0.25	1.14	0.464
			2	0.21	1.16	0.717
			10	0.23	1.16	0.653
Zimbabwe	1.00	1.11	1	0.24	1.08	0.729
			3	0.16	1.09	0.805
			5	0.11	1.01	0.125
			7	0.07	1.09	0.873
			10	0.26	1.08	0.729
Asia/Near East/North America						
Egypt	1.03	1.45	1	0.05	1.24	0.447
			2	0.16	1.12	0.195
			3	0.19	1.04	0.015
			5	0.18	1.26	0.505
			6	0.14	1.05	0.051
			7	0.12	1.03	0.001
			8	0.20	1.06	0.059
			9	0.36	1.07	0.075
			10	0.43	1.23	0.438
Indonesia	1.20	1.88	2	0.16	1.29	0.111
			3	0.22	1.50	0.385
			4	0.18	1.34	0.172
			5	0.14	1.25	0.067
			7	0.12	1.35	0.188
			8	0.21	1.31	0.135
			9	0.40	1.64	0.589
			10	0.39	1.54	0.440
Morocco	1.00	1.43	2	0.14	1.09	0.176
			3	0.21	1.15	0.302
			4	0.19	1.31	0.680
			5	0.16	1.27	0.591

Table B.15—Continued
Variable: Birth in the last 5 years

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Morocco	1.00	1.43	6	0.12	1.15	0.310
			8	0.19	1.06	0.117
			9	0.41	1.26	0.563
Sri Lanka	1.05	1.10	6	0.16	1.06	0.094
Thailand	1.21	1.52	1	0.05	1.26	0.134
			2	0.15	1.27	0.169
			4	0.20	1.29	0.229
			5	0.17	1.37	0.472
			6	0.13	1.50	0.926
			7	0.12	1.31	0.290
			9	0.39	1.51	0.954
			10	0.41	1.31	0.308
Tunisia	1.00	1.48	1	0.02	1.04	0.070
			3	0.21	1.08	0.147
			4	0.23	1.17	0.312
			5	0.18	1.07	0.124
			6	0.14	1.08	0.145
			7	0.11	1.09	0.156
			8	0.15	1.04	0.065
			9	0.43	1.19	0.350
			10	0.42	1.33	0.644
Latin America/Caribbean						
Bolivia	1.21	1.47	1	0.22	1.30	0.317
			2	0.17	1.31	0.339
			3	0.17	1.43	0.816
			5	0.13	1.23	0.058
			6	0.09	1.33	0.423
			7	0.08	1.47	0.983
			8	0.38	1.32	0.385
			9	0.31	1.36	0.539
Brazil	1.06	1.34	1	0.22	1.19	0.435
			2	0.20	1.26	0.672
			3	0.18	1.08	0.066
			4	0.16	1.14	0.254
			8	0.42	1.29	0.792
			9	0.34	1.21	0.506
Colombia	1.03	1.67	2	0.20	1.43	0.578
			3	0.17	1.18	0.203
			4	0.14	1.18	0.200
			5	0.11	1.15	0.160
			6	0.08	1.18	0.190
			8	0.43	1.42	0.563
			9	0.31	1.38	0.493
			10	0.26	1.43	0.568
Dominican Republic	1.16	1.45	1	0.26	1.17	0.012
			2	0.21	1.38	0.726
			3	0.16	1.23	0.231
			4	0.13	1.19	0.093
Dominican Republic	1.16	1.45	6	0.08	1.21	0.138
			7	0.07	1.18	0.059
			9	0.28	1.18	0.052
			10	0.25	1.26	0.304
Ecuador	1.00	1.30	1	0.22	1.19	0.599
			2	0.20	1.23	0.724
			3	0.18	1.07	0.221
			6	0.08	1.21	0.678
			7	0.06	1.03	0.085
			8	0.42	1.25	0.824
			9	0.32	1.23	0.734
			10	0.27	1.12	0.359
El Salvador	1.03	1.34	1	0.24	1.11	0.227
			2	0.20	1.32	0.941
			3	0.16	1.16	0.374
			4	0.13	1.12	0.261
			5	0.11	1.08	0.144
			6	0.08	1.14	0.314
			7	0.08	1.21	0.535
			8	0.44	1.23	0.619
Guatemala	1.00	1.38	1	0.23	1.06	0.148
			2	0.20	1.23	0.584
			3	0.19	1.11	0.263
			4	0.15	1.11	0.271
			5	0.14	1.06	0.132
			6	0.10	1.05	0.122
			8	0.43	1.17	0.417
			9	0.34	1.14	0.324
			10	0.23	1.14	0.334
Mexico	1.43	1.71	1	0.24	1.67	0.842
			2	0.19	1.46	0.092
			10	0.27	1.47	0.144
Peru	1.00	1.17	2	0.19	1.04	0.250
			3	0.16	1.15	0.871
			4	0.14	1.08	0.475
			8	0.41	1.11	0.627
Trinidad and Tobago	1.00	1.31	2	0.20	1.07	0.208
			3	0.20	1.22	0.703
			4	0.14	1.04	0.116
			5	0.12	1.10	0.307
			8	0.38	1.09	0.279
			9	0.34	1.19	0.580
			10	0.29	1.04	0.119
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.33	10	0.25	1.22	0.492
Cameroon	1.08	1.11	9	0.31	1.10	0.593
Madagascar	1.06	1.26	8	0.43	1.19	0.624

Table B.15—Continued

Variable: Births in the last 5 years

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Madagascar	1.06	1.26	9	0.31	1.20	0.699
			10	0.26	1.20	0.679
Namibia	1.03	1.40	8	0.45	1.39	0.951
			10	0.26	1.11	0.193
Niger	1.12	1.47	8	0.41	1.28	0.423
			9	0.34	1.40	0.781
			10	0.25	1.16	0.101
Nigeria	1.36	1.67	8	0.38	1.54	0.573
			9	0.35	1.41	0.140
			10	0.27	1.49	0.385
Rwanda	1.04	1.46	8	0.42	1.31	0.588
			9	0.32	1.32	0.620
			10	0.26	1.21	0.355
Senegal	1.00	1.31	8	0.42	1.14	0.404
			9	0.31	1.17	0.520
			10	0.28	1.11	0.332
Tanzania	1.25	1.48	8	0.44	1.40	0.633
			9	0.29	1.27	0.068
Zambia	1.02	1.29	8	0.48	1.12	0.362
			9	0.30	1.23	0.774
			10	0.22	1.12	0.358
Asia/Near East/North Africa						
Egypt	1.12	1.43	8	0.18	1.20	0.236
			9	0.39	1.32	0.601
			10	0.43	1.30	0.533
Indonesia	1.39	1.61	8	0.19	1.43	0.204
			9	0.40	1.45	0.260
			10	0.40	1.48	0.412
Jordan	1.08	1.39	8	0.22	1.32	0.738
			9	0.38	1.22	0.411
			10	0.40	1.28	0.624
Morocco	1.00	1.59	8	0.41	1.20	0.290
			9	0.31	1.39	0.610
			10	0.28	1.32	0.488
Pakistan	1.34	1.61	8	0.22	1.47	0.482
			9	0.40	1.53	0.691
			10	0.37	1.37	0.101
Latin America/Caribbean						
Northeast Brazil	1.29	1.99	8	0.41	1.51	0.265
			9	0.28	1.68	0.507
			10	0.31	1.93	0.901
Colombia	1.20	1.51	10	0.27	1.44	0.770
Dominican Republic	1.35	1.62	8	0.43	1.56	0.749
Paraguay	1.05	1.28	8	0.40	1.24	0.813
Peru	1.07	1.25	8	0.41	1.09	0.088
			9	0.30	1.17	0.547
			10	0.29	1.12	0.237

Table B.15—Continued
Variable: Childen ever born

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.36	1	0.22	1.22	0.463
			2	0.22	1.11	0.084
			3	0.20	1.13	0.143
			5	0.10	1.25	0.558
			6	0.06	1.14	0.184
			8	0.43	1.21	0.426
			9	0.35	1.13	0.146
			10	0.22	1.15	0.202
Ghana	1.00	1.16	1	0.19	1.07	0.428
			5	0.12	1.06	0.334
			8	0.38	1.09	0.581
Kenya	1.27	1.51	8	0.40	1.35	0.306
Liberia	1.13	1.35	4	0.13	1.16	0.115
			5	0.12	1.18	0.213
			6	0.07	1.17	0.153
			9	0.32	1.26	0.547
Nigeria (Ondo)	1.00	2.31	1	0.26	1.44	0.245
			2	0.13	1.41	0.229
			3	0.13	1.51	0.296
			4	0.13	1.02	0.008
			6	0.11	1.01	0.002
			7	0.11	1.05	0.025
			8	0.40	1.54	0.314
			9	0.26	1.33	0.179
			10	0.34	1.32	0.168
Senegal	1.00	1.05	2	0.19	1.03	0.548
			7	0.08	1.02	0.335
Sudan	1.00	1.14	1	0.23	1.03	0.212
			3	0.19	1.14	0.978
			4	0.15	1.09	0.614
			6	0.10	1.09	0.614
Togo	1.00	1.34	2	0.13	1.00	0.008
			3	0.21	1.17	0.466
			4	0.23	1.01	0.028
			5	0.18	1.21	0.603
			6	0.14	1.12	0.311
			7	0.11	1.25	0.710
			9	0.43	1.08	0.218
Zimbabwe	1.00	1.18	3	0.18	1.10	0.545
			4	0.14	1.11	0.584
			5	0.11	1.04	0.179
			6	0.08	1.01	0.030
			7	0.07	1.02	0.086
			10	0.26	1.11	0.557
Asia/Near East/North Africa						
Egypt	1.03	1.49	1	0.24	1.09	0.145
			2	0.20	1.34	0.889
			3	0.16	1.13	0.260
			4	0.13	1.08	0.124
			5	0.11	1.09	0.145
			6	0.14	1.21	0.349
			7	0.12	1.22	0.366
			8	0.20	1.11	0.156
			9	0.29	1.18	0.406
Indonesia	1.20	1.70	2	0.16	1.30	0.171
			3	0.22	1.47	0.500
			4	0.18	1.44	0.448
			5	0.14	1.29	0.159
			6	0.12	1.40	0.354
			7	0.12	1.42	0.393
			8	0.21	1.32	0.207
Morocco	1.00	1.32	1	0.22	1.18	0.523
			2	0.20	1.25	0.762
			3	0.18	1.25	0.769
			4	0.14	1.19	0.575
			5	0.12	1.18	0.546
			6	0.08	1.08	0.224
			8	0.42	1.28	0.872
Sri Lanka	1.05	1.09	4	0.20	1.07	0.473
			7	0.11	1.05	0.025
Thailand	1.21	1.62	1	0.05	1.25	0.087
			2	0.15	1.36	0.334
			4	0.20	1.54	0.769
			5	0.17	1.45	0.554
			6	0.13	1.26	0.107
			7	0.12	1.46	0.579
			8	0.20	1.39	0.403
Tunisia	1.00	1.37	2	0.14	1.15	0.363
			3	0.21	1.14	0.342
			4	0.19	1.24	0.627
			5	0.16	1.15	0.374
			6	0.12	1.19	0.468
			7	0.13	1.17	0.433
			8	0.19	1.06	0.140
			9	0.41	1.36	0.991
			10	0.40	1.30	0.800

Table B.15—Continued

Variable: Children ever born

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Latin America/Caribbean						
Bolivia	1.21	1.35	1	0.22	1.28	0.459
			2	0.17	1.27	0.373
			6	0.09	1.23	0.120
			8	0.38	1.26	0.295
			9	0.31	1.34	0.894
			10	0.31	1.26	0.359
Brazil	1.06	1.33	1	0.22	1.20	0.471
			2	0.20	1.28	0.787
			3	0.18	1.14	0.256
			5	0.13	1.19	0.446
			6	0.11	1.12	0.204
			8	0.42	1.31	0.903
			10	0.24	1.19	0.449
Colombia	1.03	1.59	2	0.20	1.52	0.862
			3	0.17	1.31	0.447
			4	0.14	1.59	0.991
			5	0.11	1.21	0.274
			6	0.08	1.39	0.593
			7	0.07	1.30	0.424
			8	0.43	1.53	0.869
			10	0.26	1.51	0.838
Dominican Republic	1.16	1.31	4	0.13	1.22	0.370
			10	0.25	1.25	0.593
Guatemala	1.00	1.11	2	0.20	1.11	0.963
			5	0.12	1.11	0.917
			7	0.07	1.08	0.690
			8	0.38	1.04	0.356
Mexico	1.43	1.67	2	0.19	1.55	0.482
			4	0.14	1.51	0.315
			6	0.09	1.53	0.387
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.21	9	0.32	1.12	0.194
Cameroon	1.08	1.28	9	0.31	1.16	0.355
Namibia	1.03	1.19	10	0.26	1.16	0.800
Niger	1.12	1.39	8	0.41	1.30	0.651
			9	0.34	1.34	0.788
Nigeria	1.36	1.57	9	0.35	1.57	0.965
			10	0.27	1.53	0.777
Rwanda	1.04	1.28	9	0.32	1.24	0.846
			10	0.26	1.20	0.647
Senegal	1.00	1.08	2	0.16	1.06	0.771
Zambia	1.02	1.10	10	0.22	1.08	0.768
Asia/Near East/North Africa						
Egypt	1.12	1.28	8	0.18	1.23	0.704
Indonesia	1.39	1.52	8	0.19	1.42	0.213
Jordan	1.08	1.23	8	0.22	1.22	0.950
			9	0.38	1.11	0.182
Pakistan	1.34	1.58	9	0.40	1.44	0.416
			10	0.37	1.47	0.529
Latin America/Caribbean						
Northeast Brazil	1.29	1.58	8	0.41	1.38	0.279
Colombia	1.20	2.27	8	0.40	1.52	0.230
			9	0.33	1.64	0.330
Dominican Republic	1.35	1.44	10	0.26	1.42	0.785
Paraguay	1.05	1.29	8	0.40	1.22	0.714
			9	0.31	1.17	0.477
			10	0.30	1.24	0.803
Peru	1.07	1.16	8	0.41	1.08	0.173

Table B.15—Continued
Variable: Mother received tetanus

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.62	1	1.27	0.22	0.297
			2	1.11	0.22	0.026
			3	1.15	0.20	0.093
			4	1.23	0.15	0.221
			6	1.11	0.06	0.032
			8	1.22	0.43	0.204
			9	1.39	0.35	0.514
			10	1.21	0.22	0.194
Burundi	1.06	2.12	2	1.15	0.20	0.062
			3	1.63	0.21	0.458
			4	1.51	0.15	0.342
			5	1.23	0.12	0.117
			6	1.20	0.07	0.097
			8	1.22	0.38	0.111
			9	2.06	0.36	0.926
			10	1.43	0.26	0.271
Ghana	1.00	1.87	1	1.01	0.19	0.006
			2	1.17	0.19	0.143
			3	1.09	0.19	0.071
			4	1.23	0.14	0.204
			5	1.21	0.12	0.186
			6	1.13	0.08	0.108
			7	1.13	0.08	0.113
			8	1.24	0.38	0.213
			9	1.31	0.34	0.281
			10	1.64	0.28	0.671
Kenya	1.27	1.49	2	1.32	0.20	0.201
			3	1.36	0.19	0.404
			4	1.40	0.14	0.579
			7	1.45	0.06	0.809
			10	1.30	0.27	0.112
Liberia	1.13	1.59	1	1.30	0.22	0.330
			2	1.25	0.19	0.218
			3	1.22	0.19	0.166
			4	1.20	0.13	0.131
			5	1.25	0.12	0.224
			6	1.18	0.07	0.096
			8	1.39	0.41	0.514
			9	1.22	0.32	0.172
			10	1.40	0.27	0.541
Mali	1.10	1.63	1	1.14	0.17	0.071
			2	1.12	0.17	0.027
			3	1.15	0.20	0.076
			4	1.10	0.16	0.009
			5	1.12	0.13	0.030
			8	1.19	0.34	0.151
Mali	1.10	1.63	9	1.32	0.36	0.362
			10	1.22	0.30	0.197
Nigeria (Ondo)	1.00	2.63	1	1.33	0.26	0.131
			2	1.74	0.13	0.345
			3	1.45	0.13	0.187
			4	1.46	0.13	0.191
			5	1.49	0.11	0.205
			6	1.44	0.11	0.184
			8	1.84	0.40	0.407
			9	1.53	0.26	0.229
			10	1.58	0.34	0.255
Sudan	1.00	1.68	1	1.10	0.06	0.121
			2	1.14	0.16	0.169
			3	1.31	0.23	0.399
			4	1.06	0.17	0.069
			5	1.12	0.18	0.143
			6	1.01	0.11	0.014
			8	1.25	0.22	0.315
			9	1.43	0.40	0.569
			10	1.09	0.38	0.099
Togo	1.00	2.44	1	1.29	0.22	0.131
			2	1.50	0.20	0.252
			3	1.68	0.18	0.368
			4	1.23	0.14	0.103
			5	1.18	0.11	0.080
			6	1.02	0.08	0.009
			7	1.19	0.07	0.086
			8	1.66	0.41	0.356
			9	1.87	0.33	0.503
			10	1.59	0.26	0.307
Uganda	1.11	1.83	1	1.19	0.25	0.094
			2	1.23	0.21	0.138
			3	1.56	0.19	0.570
			5	1.26	0.10	0.173
			6	1.49	0.07	0.461
			7	1.17	0.06	0.063
			9	1.23	0.31	0.135
			10	1.48	0.23	0.457
Zimbabwe	1.00	1.34	9	1.23	0.50	0.640
			10	1.22	0.31	0.624
Asia/Near East/North Africa						
Egypt	1.03	1.79	1	1.05	0.05	0.023
			2	1.13	0.16	0.101
			3	1.35	0.19	0.361
			4	1.34	0.18	0.341
			8	1.27	0.20	0.259
			9	1.62	0.36	0.732
Sri Lanka	1.05	1.25	2	1.09	0.12	0.205

Table B.15—Continued
Variable: Mother received tetanus

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Sri Lanka	1.05	1.25	3	1.19	0.19	0.692
			6	1.08	0.16	0.147
			8	1.12	0.15	0.318
			9	1.20	0.39	0.750
			10	1.06	0.46	0.057
Thailand	1.21	1.71	1	1.42	0.05	0.384
			2	1.48	0.15	0.496
			3	1.61	0.19	0.762
			5	1.38	0.17	0.298
			6	1.38	0.13	0.293
			7	1.37	0.12	0.285
			8	1.59	0.20	0.729
			9	1.53	0.39	0.602
			10	1.44	0.41	0.405
Tunisia	1.00	1.58	1	1.00	0.22	0.005
			2	1.23	0.20	0.348
			3	1.27	0.21	0.415
			4	1.23	0.23	0.346
			5	1.25	0.18	0.383
			6	1.05	0.08	0.061
			7	1.07	0.11	0.098
			8	1.18	0.15	0.261
			9	1.35	0.32	0.555
			10	1.09	0.27	0.121
Latin America/Caribbean						
Bolivia	1.21	1.33	1	1.24	0.22	0.217
			3	1.24	0.17	0.241
			4	1.29	0.14	0.601
			7	1.28	0.08	0.576
			8	1.21	0.38	0.011
			9	1.30	0.31	0.744
Brazil	1.06	1.57	2	1.27	0.20	0.360
			3	1.15	0.18	0.155
			4	1.12	0.16	0.106
			6	1.25	0.11	0.333
			8	1.33	0.42	0.480
			9	1.24	0.34	0.307
			10	1.10	0.24	0.071
Colombia	1.03	1.15	1	1.05	0.23	0.206
			9	1.14	0.31	0.973
Ecuador	1.00	1.60	1	1.07	0.23	0.090
			2	1.17	0.20	0.235
			3	1.15	0.19	0.210
			4	1.13	0.15	0.170
			5	1.04	0.14	0.055
			6	1.06	0.10	0.085
			8	1.12	0.43	0.163
			9	1.28	0.34	0.403
Ecuador	1.00	1.60	10	1.03	0.23	0.032
El Salvador	1.03	1.34	1	1.32	0.24	0.905
			2	1.14	0.20	0.317
			3	1.21	0.16	0.535
			4	1.08	0.13	0.125
			5	1.08	0.11	0.122
			6	1.20	0.08	0.493
			8	1.29	0.44	0.809
			9	1.11	0.29	0.221
			10	1.33	0.27	0.960
Guatemala	1.00	1.57	1	1.13	0.22	0.197
			2	1.12	0.20	0.178
			3	1.15	0.19	0.228
			4	1.37	0.15	0.609
			5	1.10	0.11	0.143
			6	1.05	0.07	0.065
			7	1.14	0.06	0.211
			8	1.09	0.42	0.122
			9	1.33	0.34	0.531
			10	1.19	0.24	0.290
Peru	1.00	1.15	4	1.06	0.14	0.347
			7	1.01	0.08	0.061
			9	1.13	0.30	0.828
			10	1.14	0.29	0.883
Trinidad and Tobago	1.00	1.11	2	1.02	0.20	0.172
			5	1.01	0.12	0.120
			6	1.01	0.10	0.069
			9	1.05	0.34	0.402
			10	1.00	0.29	0.009
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	2.26	8	1.52	0.30	0.281
			9	1.62	0.47	0.361
			10	1.77	0.23	0.495
Cameroon	1.08	1.88	8	1.66	0.37	0.668
			9	1.54	0.45	0.511
			10	1.09	0.18	0.013
Madagascar	1.06	2.00	8	1.47	0.33	0.361
			9	1.48	0.45	0.372
			10	1.35	0.22	0.242
Namibia	1.03	1.35	9	1.05	0.44	0.065
			10	1.15	0.25	0.356
Niger	1.12	2.63	8	1.75	0.32	0.320
			9	2.02	0.49	0.501
			10	1.20	0.20	0.036
Nigeria	1.36	3.86	8	3.09	0.26	0.590
			9	2.96	0.52	0.527
			10	1.98	0.22	0.158

Table B.15—Continued
Variable: Mother received tetanus

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Rwanda	1.04	1.46	8	1.18	0.18	0.282
			10	1.08	0.29	0.080
Senegal	1.00	1.95	8	1.57	0.29	0.523
			9	1.32	0.45	0.264
			10	1.39	0.26	0.330
Tanzania	1.25	1.50	8	1.30	0.34	0.177
			9	1.50	0.44	0.983
Zambia	1.02	1.70	8	1.31	0.37	0.372
			9	1.34	0.44	0.405
			10	1.22	0.19	0.247
Asia/Near East/North Africa						
Egypt	1.12	1.43	8	1.15	0.24	0.082
			9	1.24	0.54	0.356
			10	1.18	0.22	0.177
Indonesia	1.39	2.00	8	1.73	0.26	0.521
			9	1.59	0.54	0.289
			10	1.39	0.20	0.002
Jordan	1.08	1.26	9	1.14	0.53	0.328
Morocco	1.00	1.33	2	1.18	0.20	0.516
			3	1.22	0.16	0.648
			4	1.04	0.14	0.115
			5	1.10	0.11	0.270
			6	1.12	0.08	0.331
			7	1.06	0.07	0.157
			8	1.20	0.44	0.581
			9	1.17	0.30	0.476
			10	1.10	0.26	0.262
Latin America/Caribbean						
Northeast Brazil	1.29	1.75	8	1.66	0.32	0.777
			9	1.41	0.46	0.226
			10	1.46	0.22	0.336
Colombia	1.20	1.48	9	1.36	0.51	0.545
Paraguay	1.05	1.37	8	1.11	0.27	0.169
			9	1.07	0.47	0.060
			10	1.09	0.26	0.113
Peru	1.07	1.33	8	1.12	0.29	0.188
			9	1.16	0.48	0.323
			10	1.08	0.23	0.050

Table B.15—Continued

Variable: Had diarrhea

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.62	1	1.10	0.22	0.019
			2	1.28	0.22	0.306
			3	1.40	0.20	0.533
			4	1.26	0.15	0.273
			5	1.20	0.10	0.173
			8	1.31	0.43	0.372
			10	1.11	0.22	0.033
Burundi	1.06	1.16	2	1.11	0.20	0.474
Ghana	1.00	1.45	2	1.04	0.19	0.065
			3	1.28	0.19	0.573
			4	1.16	0.14	0.308
			5	1.04	0.12	0.082
			6	1.06	0.08	0.117
			8	1.05	0.38	0.090
			9	1.21	0.34	0.417
			10	1.10	0.28	0.186
Mali	1.10	1.50	1	1.20	0.17	0.230
			2	1.13	0.17	0.077
			3	1.16	0.20	0.134
			4	1.20	0.16	0.237
			5	1.20	0.13	0.218
			6	1.14	0.09	0.099
			7	1.21	0.07	0.249
			8	1.19	0.34	0.214
			9	1.39	0.36	0.689
			10	1.28	0.30	0.421
Nigeria (Ondo)	1.00	1.21	1	1.01	0.26	0.030
			3	1.14	0.13	0.646
			4	1.11	0.13	0.476
			5	1.13	0.11	0.616
			6	1.11	0.11	0.491
			7	1.03	0.11	0.114
			8	1.09	0.40	0.396
			10	1.08	0.34	0.345
Senegal	1.00	1.41	1	1.14	0.22	0.305
			2	1.11	0.20	0.227
			5	1.25	0.11	0.585
			8	1.20	0.42	0.442
			9	1.07	0.34	0.151
			10	1.28	0.24	0.650
Sudan	1.00	1.18	1	1.02	0.06	0.085
			2	1.02	0.16	0.090
			3	1.09	0.23	0.466
			5	1.09	0.18	0.511
			6	1.07	0.11	0.375
			9	1.13	0.40	0.710
Sudan	1.00	1.18	10	1.00	0.38	0.016
Togo	1.00	1.12	1	1.10	0.22	0.804
			3	1.04	0.18	0.305
			4	1.08	0.14	0.629
			8	1.03	0.41	0.257
			9	1.06	0.33	0.441
Uganda	1.11	1.26	2	1.23	0.21	0.785
			4	1.21	0.13	0.649
			5	1.17	0.10	0.378
			6	1.23	0.07	0.826
			8	1.12	0.46	0.060
			10	1.13	0.23	0.148
Zimbabwe	1.00	1.15	2	1.02	0.20	0.135
			5	1.01	0.11	0.077
			6	1.08	0.08	0.510
			8	1.04	0.44	0.260
			9	1.06	0.30	0.401
Asia/Near East/North Africa						
Morocco	1.00	1.45	1	1.14	0.05	0.282
			3	1.08	0.21	0.150
			4	1.12	0.19	0.226
			7	1.13	0.13	0.250
			9	1.22	0.41	0.450
			10	1.10	0.40	0.185
Sri Lanka	1.05	1.13	2	1.13	0.12	0.912
			3	1.11	0.19	0.774
			5	1.10	0.19	0.552
			8	1.12	0.15	0.799
			9	1.12	0.39	0.874
Thailand	1.21	1.37	3	1.32	0.19	0.679
			5	1.26	0.17	0.290
			8	1.35	0.20	0.901
			9	1.29	0.39	0.470
Tunisia	1.00	1.54	2	1.15	0.13	0.233
			3	1.16	0.21	0.258
			4	1.19	0.23	0.307
			5	1.10	0.18	0.152
			6	1.01	0.14	0.013
			8	1.23	0.15	0.373
			9	1.30	0.43	0.505
			10	1.15	0.42	0.245
Latin America/Caribbean						
Brazil	1.06	1.16	4	1.14	0.16	0.827
Colombia	1.03	1.25	1	1.06	0.23	0.135
			3	1.10	0.17	0.294
			9	1.10	0.31	0.298
			10	1.10	0.26	0.325
Dominican Republic	1.16	1.30	3	1.19	0.16	0.179

Table B.15—Continued
Variable: Had diarrhea

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Dominican Republic	1.16	1.30	8	1.17	0.47	0.072
			9	1.26	0.28	0.687
El Salvador	1.03	1.41	4	1.18	0.13	0.348
			5	1.13	0.11	0.223
			6	1.13	0.08	0.218
			8	1.20	0.44	0.396
			9	1.33	0.29	0.758
Guatemala	1.00	1.31	1	1.11	0.23	0.334
			2	1.01	0.20	0.014
			3	1.04	0.19	0.116
			5	1.12	0.14	0.346
			8	1.09	0.43	0.270
			9	1.08	0.34	0.225
			10	1.12	0.23	0.356
Mexico	1.43	1.48	1	1.47	0.24	0.937
Peru	1.00	1.09	8	1.05	0.41	0.576
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.33	8	1.24	0.29	0.597
			10	1.14	0.23	0.146
Cameroon	1.08	1.50	8	1.23	0.37	0.318
			9	1.38	0.45	0.688
			10	1.46	0.18	0.894
Madagascar	1.06	1.35	8	1.08	0.32	0.076
			9	1.19	0.46	0.409
			10	1.13	0.22	0.231
Namibia	1.03	1.29	8	1.18	0.31	0.569
			9	1.16	0.44	0.485
			10	1.14	0.25	0.405
Niger	1.12	1.57	8	1.20	0.31	0.158
			9	1.33	0.49	0.436
			10	1.43	0.19	0.641
Nigeria	1.36	1.75	8	1.41	0.26	0.108
			9	1.65	0.52	0.725
Rwanda	1.04	1.20	8	1.06	0.18	0.116
			10	1.10	0.30	0.373
Senegal	1.00	1.19	8	1.11	0.28	0.548
			9	1.05	0.46	0.229
			10	1.11	0.26	0.575
Zambia	1.02	1.14	8	1.13	0.36	0.907
			9	1.10	0.44	0.592
			10	1.10	0.20	0.641
Asia/Near East/North Africa						
Egypt	1.12	1.33	8	1.33	0.24	0.965
			9	1.13	0.54	0.047
Indonesia	1.39	1.48	8	1.45	0.26	0.683
			9	1.43	0.54	0.465
Morocco	1.00	1.16	8	1.11	0.19	0.637
Pakistan	1.34	1.49	8	1.35	0.24	0.073
			10	1.47	0.23	0.836
Latin America/Caribbean						
Northeast Brazil	1.29	1.89	8	1.52	0.32	0.333
			9	1.63	0.47	0.511
			10	1.59	0.21	0.456
Colombia	1.20	1.38	9	1.33	0.51	0.728
Dominican Republic	1.35	1.51	9	1.37	0.48	0.102
Paraguay	1.05	1.25	8	1.09	0.27	0.187
			9	1.19	0.47	0.650
Peru	1.07	1.25	9	1.12	0.48	0.281

Table B.15—Continued
Variable: Immunized

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.43	2	1.26	0.22	0.486
			3	1.27	0.20	0.489
			8	1.28	0.43	0.546
			9	1.17	0.35	0.227
Burundi	1.06	1.32	2	1.19	0.20	0.485
			3	1.19	0.21	0.477
			5	1.08	0.12	0.073
			8	1.16	0.38	0.367
			10	1.09	0.26	0.107
Ghana	1.00	1.25	2	1.11	0.19	0.428
			3	1.06	0.19	0.227
			4	1.05	0.14	0.190
			9	1.06	0.34	0.216
Kenya	1.27	1.34	4	1.28	0.14	0.019
			9	1.28	0.33	0.139
Liberia	1.13	1.68	2	1.22	0.19	0.133
			8	1.26	0.41	0.202
			9	1.20	0.32	0.099
			10	1.49	0.27	0.608
Nigeria (Ondo)	1.00	1.14	4	1.07	0.13	0.502
			8	1.00	0.40	0.020
			9	1.12	0.26	0.818
			10	1.11	0.34	0.788
Senegal	1.00	1.21	3	1.12	0.19	0.545
Sudan	1.00	1.12	2	1.06	0.16	0.520
			8	1.06	0.22	0.469
			9	1.01	0.40	0.056
			10	1.00	0.38	0.008
Uganda	1.11	1.19	9	1.12	0.31	0.219
Zimbabwe	1.00	1.06	8	1.05	0.44	0.844
Asia/Near East/North Africa						
Egypt	1.03	1.26	3	1.19	0.19	0.703
			5	1.08	0.18	0.192
			10	1.11	0.43	0.322
Morocco	1.00	1.65	2	1.02	0.14	0.019
			3	1.08	0.21	0.091
			4	1.06	0.19	0.075
			5	1.52	0.16	0.763
			8	1.04	0.19	0.048
			9	1.18	0.41	0.227
			10	1.43	0.40	0.609
Sri Lanka	1.05	1.10	2	1.08	0.12	0.561
			3	1.09	0.19	0.675
Latin America/Caribbean						
Brazil	1.06	1.22	3	1.09	0.18	0.170
			4	1.09	0.16	0.200
Brazil	1.06	1.22	9	1.15	0.34	0.539
Colombia	1.03	1.18	2	1.11	0.20	0.547
			3	1.04	0.17	0.065
			8	1.05	0.43	0.121
			10	1.15	0.26	0.819
El Salvador	1.03	1.05	2	1.04	0.20	0.418
Guatemala	1.00	1.21	3	1.19	0.19	0.886
			4	1.00	0.15	0.017
			5	1.02	0.14	0.074
			10	1.13	0.23	0.605
Peru	1.00	1.16	2	1.06	0.19	0.334
			3	1.00	0.16	0.012
			8	1.11	0.41	0.698
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.30	10	1.25	0.19	0.743
Cameroon	1.08	1.65	8	1.49	0.42	0.679
			9	1.33	0.44	0.387
			10	1.10	0.15	0.034
Madagascar	1.06	1.54	8	1.40	0.37	0.671
			9	1.29	0.43	0.433
			10	1.30	0.20	0.448
Namibia	1.03	1.11	9	1.08	0.44	0.666
			10	1.07	0.21	0.532
Nigeria	1.36	1.60	9	1.43	0.49	0.287
Rwanda	1.04	1.34	8	1.15	0.22	0.333
			9	1.24	0.51	0.661
			10	1.13	0.27	0.283
Senegal	1.00	1.37	8	1.19	0.31	0.474
			9	1.23	0.44	0.567
			10	1.10	0.25	0.231
Tanzania	1.25	1.50	10	1.30	0.20	0.196
Zambia	1.02	1.24	10	1.07	0.17	0.204
Asia/Near East/North Africa						
Egypt	1.12	1.35	8	1.26	0.31	0.565
			9	1.27	0.52	0.617
			10	1.18	0.17	0.254
Indonesia	1.39	1.41	10	1.40	0.17	0.338
Jordan	1.08	1.25	8	1.15	0.27	0.420
			9	1.08	0.52	0.035
			10	1.08	0.21	0.008
Morocco	1.00	1.97	8	1.43	0.21	0.367
			9	1.32	0.50	0.259
			10	1.42	0.29	0.352
Latin America/Caribbean						
Northeast Brazil	1.29	1.46	9	1.31	0.41	0.067
			10	1.45	0.20	0.942
Peru	1.07	1.19	9	1.16	0.48	0.685

Table B.15—Continued
Variable: Weight for height

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Burundi	1.06	1.13	3	1.06	0.21	0.107
			4	1.13	0.15	0.986
			5	1.11	0.12	0.814
			8	1.08	0.38	0.270
Mali	1.10	1.27	2	1.23	0.17	0.750
			10	1.23	0.30	0.750
Nigeria (Ondo)	1.00	1.12	3	1.09	0.13	0.784
			5	1.03	0.11	0.231
			6	1.03	0.11	0.231
			7	1.00	0.11	0.024
			8	1.11	0.40	0.928
			9	1.08	0.26	0.704
Togo	1.00	1.47	1	1.32	0.22	0.655
			2	1.16	0.20	0.291
			5	1.23	0.11	0.455
			6	1.01	0.08	0.021
			10	1.18	0.26	0.333
Asia/Near East/North Africa						
Morocco	1.00	1.40	1	1.05	0.05	0.097
			2	1.06	0.14	0.117
			4	1.28	0.19	0.670
Sri Lanka	1.05	1.16	1	1.07	0.02	0.206
			2	1.09	0.12	0.360
			3	1.12	0.19	0.591
			4	1.07	0.20	0.197
			8	1.12	0.15	0.600
Thailand	1.21	1.45	1	1.39	0.05	0.707
			2	1.25	0.15	0.160
			8	1.33	0.20	0.457
			9	1.45	0.39	0.996
Tunisia	1.00	1.04	5	1.04	0.18	0.946
			6	1.00	0.14	0.026

Table B.15—Continued

Variable: IMR 1-4 years

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.19	1	1.14	0.22	0.499
			2	1.14	0.22	0.529
			3	1.17	0.20	0.813
			5	1.15	0.10	0.569
			7	1.15	0.05	0.579
			9	1.15	0.35	0.630
			10	1.13	0.22	0.379
Ghana	1.00	1.05	1	1.01	0.19	0.199
			2	1.04	0.19	0.717
			4	1.00	0.14	0.054
Nigeria (Ondo)	1.00	1.10	8	1.05	0.40	0.515
Senegal	1.00	1.03	1	1.03	0.22	0.928
			9	1.01	0.34	0.354
Sudan	1.00	1.18	2	1.00	0.16	0.021
			3	1.08	0.23	0.415
			5	1.04	0.18	0.187
			6	1.04	0.11	0.187
			7	1.01	0.09	0.074
			8	1.13	0.22	0.739
			9	1.11	0.40	0.586
			10	1.16	0.38	0.926
Togo	1.00	1.03	4	1.01	0.14	0.287
			8	1.01	0.41	0.448
Zimbabwe	1.00	1.10	2	1.03	0.20	0.300
			6	1.00	0.08	0.029
			10	1.05	0.26	0.528
Asia/Near East/North Africa						
Egypt	1.03	1.11	5	1.04	0.18	0.092
			9	1.05	0.36	0.241
Indonesia	1.20	1.72	2	1.35	0.16	0.254
			4	1.28	0.18	0.139
			5	1.28	0.14	0.129
			6	1.36	0.12	0.263
			7	1.28	0.12	0.127
			8	1.31	0.21	0.183
			9	1.66	0.40	0.859
			10	1.33	0.39	0.217
Morocco	1.00	1.01	7	1.01	0.13	0.691
Thailand	1.21	1.40	5	1.28	0.17	0.345
			6	1.21	0.13	0.006
Latin America/Caribbean						
Bolivia	1.21	1.35	2	1.27	0.17	0.412
			3	1.26	0.17	0.361
			5	1.25	0.13	0.247
			9	1.23	0.31	0.128
Brazil	1.06	1.10	6	1.08	0.11	0.574
			9	1.08	0.34	0.415
Guatemala	1.00	1.09	1	1.01	0.23	0.087
			6	1.00	0.10	0.033
			9	1.05	0.34	0.581
			10	1.06	0.23	0.627
Peru	1.00	1.10	5	1.04	0.12	0.367
Trinidad and Tobago	1.00	1.05	3	1.04	0.20	0.823
			9	1.01	0.34	0.107
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.15	8	1.14	0.27	0.713
			10	1.12	0.25	0.263
Madagascar	1.06	1.14	8	1.13	0.30	0.824
			10	1.09	0.24	0.419
Niger	1.12	1.29	8	1.14	0.29	0.119
			9	1.20	0.50	0.428
			10	1.13	0.21	0.061
Tanzania	1.25	1.61	9	1.31	0.46	0.160
			10	1.48	0.24	0.598
Asia/Near East/North Africa						
Indonesia	1.39	1.52	9	1.40	0.55	0.095
Jordan	1.08	1.13	8	1.08	0.19	0.117
			9	1.11	0.53	0.554
Morocco	1.00	1.14	8	1.13	0.16	0.992
			9	1.03	0.51	0.240
			10	1.10	0.33	0.691
Latin America/Caribbean						
Northeast Brazil	1.29	1.60	9	1.44	0.48	0.447
			10	1.36	0.24	0.200

Note: The objective of Table B.15 is to explore the relationship between Ms and D2, or between subclass and total sample defts in some other form.

(1) The variables under study are:

Variables with woman as the unit of analysis:

- Using modern method
- Age at marriage
- Ideal family size
- Births in last 5 years
- Children ever born

Variables with child as the unit of analysis:

- Mother received tetanus
- Diarrhea
- Immunized
- Weight for height
- IMR 1-4 years

(2) s is the subclass identifier (7 five-year age groups and 3 ten-year age groups):

1 15-19
2 20-24
3 25-29
4 30-34
5 35-39
6 40-44
7 45-49
8 15-24
9 25-34
10 35-49

(3) Dt is deft for the total sample.
Ds is deft for the subclass.
Dw is the effect of sample weights (Kish, 1965).

(4) Ms is the subclass size as a proportion of the total sample.
For the differences of two subclasses:
effective Ms = 0.57*HM where HM is the harmonic mean of Ms for the two subclasses

(5) D2: (Ds2-Dw2) / (Dt2-Dw2).

(6) The results are based on a large number of computations, but excluding the following cases:

a. variables not defined or available in the country;
b. estimated proportion being close to 0 or 1.0;
c. extremely small size of the subclass involved (e.g., subclass n less than the number of sample clusters);
d. a few cases where the computations gave implausible results; and
e. cases not included in the computations for other reasons.

(7) The results are ordered by variable, country (separately for DHS-I and DHS-II and by region), and subclass.

Table B.16 Defts for socioeconomic subclasses, Demographic and Health Surveys I and II

Variable: Using modem method

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.30	1	0.28	1.19	0.471
			5	0.29	1.23	0.668
			7	0.20	1.29	0.923
Ghana	1.00	1.16	2	0.48	1.05	0.278
			5	0.56	1.04	0.260
			6	0.44	1.14	0.841
			7	0.27	1.02	0.099
			9	0.28	1.01	0.082
Kenya	1.27	1.42	2	0.51	1.41	0.899
Liberia	1.13	1.48	1	0.75	1.35	0.592
			2	0.14	1.17	0.105
			6	1.00	1.48	1.000
			8	0.07	1.40	0.731
Nigeria (Ondo)	1.00	1.43	2	0.29	1.26	0.569
			5	0.67	1.24	0.511
Sudan	1.00	1.25	2	0.27	1.11	0.393
			5	0.07	1.09	0.323
			6	0.93	1.24	0.934
			8	0.11	1.00	0.014
			9	0.08	1.08	0.296
Togo	1.00	1.15	2	0.24	1.06	0.394
			3	0.08	1.05	0.309
			8	0.07	1.01	0.081
Uganda	1.11	1.09	8	0.09	1.10	0.345
Zimbabwe	1.00	1.21	1	0.19	1.08	0.364
			2	0.61	1.08	0.355
			3	0.20	1.01	0.022
			5	0.34	1.20	0.953
			7	0.16	1.07	0.312
Asia/Near East/North Africa						
Egypt	1.03	2.22	1	0.49	1.92	0.676
			2	0.32	1.40	0.234
			3	0.14	1.20	0.100
			5	0.12	1.33	0.186
			6	0.88	2.08	0.847
			7	0.22	1.29	0.159
			8	0.11	1.12	0.051
			9	0.12	1.23	0.118
Indonesia	1.20	2.07	1	0.21	1.95	0.831
			2	0.57	1.91	0.782
			3	0.19	1.24	0.037
			4	0.02	1.25	0.048
			5	0.47	1.68	0.486
			6	0.53	1.82	0.656
			7	0.17	1.60	0.391
			8	0.16	1.39	0.172
Indonesia	1.20	2.07	9	0.28	1.38	0.163
Morocco	1.00	1.78	2	0.10	1.01	0.012
			5	0.06	1.20	0.202
			7	0.10	1.04	0.038
			9	0.06	1.21	0.214
Sri Lanka	1.05	1.20	2	0.30	1.15	0.652
			3	0.36	1.11	0.391
			4	0.23	1.10	0.339
			6	0.81	1.16	0.734
			7	0.10	1.19	0.915
			8	0.18	1.12	0.444
Thailand	1.21	1.57	2	0.73	1.47	0.714
			5	0.62	1.44	0.626
			6	0.38	1.51	0.814
			7	0.09	1.53	0.887
			9	0.27	1.39	0.477
Tunisia	1.00	1.43	2	0.31	1.24	0.503
			7	0.23	1.34	0.753
Latin America/Caribbean						
Bolivia	1.21	1.25	6	0.78	1.22	0.317
Brazil	1.06	1.22	5	0.37	1.15	0.568
			6	0.63	1.18	0.722
			9	0.26	1.11	0.287
Colombia	1.03	1.24	3	0.31	1.04	0.073
			4	0.03	1.03	0.014
			6	0.83	1.23	0.945
			8	0.23	1.17	0.638
Dominican Republic	1.16	1.24	3	0.15	1.17	0.077
			7	0.08	1.19	0.370
Ecuador	1.00	1.37	1	0.10	1.13	0.308
			2	0.54	1.10	0.251
			3	0.28	1.17	0.433
			4	0.08	1.06	0.146
			5	0.23	1.15	0.371
			7	0.10	1.10	0.251
			8	0.21	1.06	0.133
			9	0.20	1.17	0.438
El Salvador	1.03	1.30	6	1.00	1.30	1.000
			8	0.11	1.26	0.834
Guatemala	1.00	1.45	1	0.46	1.07	0.121
			2	0.45	1.32	0.670
			3	0.08	1.04	0.081
			5	0.14	1.02	0.036
			6	0.86	1.42	0.907
			7	0.26	1.10	0.181
			8	0.08	1.02	0.036
Mexico	1.43	2.12	2	0.57	1.82	0.525
			4	0.05	1.60	0.218

Table B.16—Continued
Variable: Using modem method

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Mexico	1.43	2.12	5	0.27	2.09	0.952
			6	0.73	2.01	0.811
			8	0.20	1.45	0.029
			9	0.22	1.98	0.766
Peru	1.00	1.18	1	0.15	1.12	0.668
			2	0.45	1.15	0.844
			3	0.32	1.16	0.915
			5	0.46	1.06	0.335
			8	0.21	1.11	0.582
			9	0.28	1.08	0.413
Trinidad and Tobago	1.00	1.16	2	0.53	1.07	0.384
			3	0.44	1.13	0.748
DHS-II						
Sub-Saharan Africa						
Madagascar	1.06	1.16	2	0.50	1.09	0.286
			9	0.20	1.11	0.480
Namibia	1.03	1.63	2	0.47	1.41	0.583
			3	0.28	1.17	0.197
			4	0.03	1.24	0.295
			5	0.36	1.33	0.440
			6	0.64	1.56	0.849
			7	0.17	1.14	0.151
			8	0.20	1.04	0.011
			9	0.26	1.22	0.272
Rwanda	1.04	1.59	1	0.44	1.36	0.521
			2	0.48	1.28	0.381
			3	0.08	1.39	0.584
			5	0.95	1.58	0.987
			6	0.05	1.40	0.595
			8	0.07	1.33	0.478
			9	0.05	1.40	0.611
Senegal	1.00	1.13	1	0.84	1.01	0.086
			2	0.11	1.12	0.895
			5	0.48	1.13	0.952
			7	0.11	1.13	0.960
Tanzania	1.25	1.43	6	0.29	1.32	0.371
			9	0.24	1.42	0.982
Zambia	1.02	1.37	1	0.20	1.04	0.042
			2	0.62	1.21	0.507
			5	0.53	1.19	0.461
			6	0.47	1.19	0.447
Asia/Near East/North Africa						
Egypt	1.12	1.68	1	0.46	1.48	0.605
			2	0.32	1.42	0.482
			3	0.17	1.12	0.010
			4	0.05	1.27	0.227
			5	0.21	1.17	0.075
			6	0.79	1.62	0.870
Egypt	1.12	1.68	7	0.21	1.29	0.260
			8	0.13	1.15	0.051
Indonesia	1.39	2.03	1	0.19	1.83	0.642
			2	0.57	1.83	0.642
			3	0.22	1.51	0.167
			5	0.44	1.83	0.652
			6	0.55	1.84	0.662
			7	0.16	1.59	0.276
			8	0.18	1.49	0.140
			9	0.28	1.62	0.315
Jordan	1.08	1.28	1	0.25	1.21	0.620
			2	0.21	1.26	0.908
			6	0.90	1.24	0.775
			7	0.13	1.10	0.095
			8	0.16	1.16	0.403
Morocco	1.00	1.79	5	0.20	1.54	0.617
			6	0.80	1.61	0.726
			7	0.12	1.06	0.057
			9	0.18	1.35	0.372
Latin America/Caribbean						
Northeast Brazil	1.29	1.37	5	0.45	1.30	0.020
			6	0.55	1.30	0.059
Colombia	1.20	1.57	1	0.04	1.35	0.354
			3	0.44	1.34	0.339
			4	0.09	1.40	0.498
			5	0.36	1.51	0.817
			7	0.04	1.40	0.501
			8	0.25	1.43	0.578
			9	0.26	1.55	0.939
Dominican Republic	1.35	1.62	1	0.09	1.53	0.640
			3	0.22	1.44	0.300
			7	0.09	1.47	0.421
			8	0.18	1.39	0.144
Paraguay	1.05	1.21	3	0.21	1.10	0.271
			6	0.66	1.18	0.809
			8	0.18	1.10	0.271
			9	0.26	1.20	0.954
Peru	1.07	1.13	1	0.09	1.09	0.445
			3	0.35	1.10	0.622
			6	0.89	1.12	0.982

Table B.16—Continued
Variable: Age at marriage

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.34	1	0.29	1.11	0.085
			2	0.50	1.17	0.311
			5	0.31	1.24	0.594
			6	0.67	1.29	0.798
			8	0.15	1.20	0.442
			9	0.24	1.24	0.569
Burundi	1.06	1.54	1	0.77	1.23	0.311
			2	0.18	1.08	0.042
			3	0.05	1.14	0.139
			5	0.07	1.20	0.262
			6	0.93	1.53	0.988
			8	0.04	1.15	0.172
			9	0.07	1.20	0.262
Ghana	1.00	1.28	1	0.47	1.16	0.542
			5	0.58	1.21	0.714
Kenya	1.27	1.53	1	0.31	1.44	0.616
			3	0.19	1.42	0.547
			5	0.12	1.31	0.128
			6	0.87	1.51	0.927
			7	0.22	1.39	0.437
Liberia	1.13	1.41	1	0.75	1.39	0.936
			2	0.13	1.20	0.213
			3	0.11	1.27	0.476
			6	1.00	1.41	1.000
			7	0.12	1.26	0.454
			8	0.07	1.22	0.286
Mali	1.10	1.38	5	0.27	1.17	0.225
			6	0.73	1.28	0.606
Nigeria (Ondo)	1.00	2.09	1	0.53	1.49	0.359
			2	0.29	1.35	0.241
			4	0.06	1.27	0.179
			5	0.69	1.70	0.558
			6	0.31	1.83	0.698
			7	0.21	1.21	0.135
			8	0.10	1.03	0.019
			9	0.24	1.42	0.296
Senegal	1.00	1.17	1	0.84	1.07	0.394
			3	0.05	1.11	0.584
			5	0.29	1.15	0.822
			6	0.71	1.04	0.238
Sudan	1.00	1.27	1	0.59	1.25	0.917
			2	0.25	1.11	0.391
			5	0.08	1.05	0.176
			6	0.91	1.19	0.699
			7	0.20	1.14	0.476
			8	0.10	1.03	0.111
Sudan	1.00	1.27	9	0.09	1.02	0.060
Togo	1.00	1.23	2	0.23	1.22	0.948
			3	0.08	1.20	0.858
			5	0.75	1.17	0.702
			7	0.20	1.16	0.684
			8	0.07	1.06	0.244
Uganda	1.11	1.29	1	0.42	1.11	0.018
			3	0.09	1.25	0.743
			6	0.88	1.22	0.577
			8	0.09	1.14	0.150
Zimbabwe	1.00	1.21	1	0.18	1.10	0.443
			2	0.62	1.10	0.443
			7	0.16	1.10	0.467
			9	0.27	1.04	0.178
Asia/Near East/North Africa						
Egypt	1.03	2.62	1	0.49	1.26	0.092
			2	0.32	1.72	0.328
			3	0.13	1.28	0.100
			4	0.05	1.14	0.042
			5	0.13	1.71	0.324
			6	0.87	2.03	0.531
			7	0.22	1.44	0.173
			8	0.11	1.15	0.045
			9	0.13	1.48	0.193
Indonesia	1.20	2.45	1	0.23	1.81	0.399
			2	0.56	1.89	0.467
			3	0.19	1.65	0.283
			4	0.02	1.22	0.010
			5	0.49	2.14	0.684
			6	0.51	2.07	0.623
			7	0.18	1.54	0.205
			8	0.16	1.70	0.319
			9	0.28	1.72	0.331
Morocco	1.00	1.51	1	0.83	1.40	0.757
			2	0.10	1.12	0.202
			3	0.06	1.15	0.249
			5	0.08	1.47	0.920
			6	0.92	1.40	0.761
			7	0.10	1.16	0.274
			8	0.04	1.13	0.213
			9	0.08	1.42	0.795
Sri Lanka	1.05	1.50	1	0.12	1.25	0.410
			2	0.30	1.22	0.336
			3	0.35	1.19	0.278
			4	0.22	1.10	0.093
			6	0.81	1.36	0.651
			7	0.10	1.19	0.274
			8	0.18	1.20	0.291

Table B.16—Continued
Variable: Age at marriage

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Sri Lanka	1.05	1.50	9	0.18	1.49	0.984
Thailand	1.21	1.63	1	0.09	1.38	0.372
			2	0.73	1.47	0.589
			3	0.11	1.21	0.009
			5	0.64	1.60	0.913
			6	0.36	1.28	0.157
			7	0.09	1.37	0.346
			8	0.11	1.30	0.181
			9	0.26	1.24	0.054
Tunisia	1.00	1.42	2	0.31	1.20	0.432
			3	0.11	1.08	0.156
			5	0.11	1.27	0.603
			6	0.89	1.33	0.753
			7	0.23	1.23	0.510
			9	0.11	1.23	0.505
Latin America/Caribbean						
Bolivia	1.21	1.32	1	0.20	1.25	0.372
			4	0.09	1.25	0.372
			6	0.73	1.28	0.649
Brazil	1.06	1.26	2	0.69	1.20	0.694
			4	0.06	1.09	0.135
			5	0.41	1.20	0.694
			6	0.59	1.15	0.413
			8	0.13	1.13	0.344
			9	0.28	1.11	0.255
Colombia	1.03	1.61	1	0.08	1.27	0.364
			2	0.58	1.35	0.494
			3	0.31	1.20	0.259
			4	0.03	1.08	0.069
			5	0.22	1.08	0.071
			6	0.78	1.53	0.840
			7	0.08	1.19	0.232
Dominican Republic	1.16	1.45	1	0.08	1.31	0.489
			2	0.70	1.33	0.534
			3	0.16	1.24	0.248
			4	0.07	1.28	0.370
			5	0.22	1.23	0.213
			6	0.78	1.37	0.693
			7	0.08	1.26	0.317
			8	0.15	1.25	0.274
			9	0.20	1.18	0.058
Ecuador	1.00	1.18	3	0.28	1.01	0.035
			5	0.25	1.12	0.642
			6	0.75	1.18	0.953
			7	0.10	1.16	0.888
			8	0.21	1.10	0.504
			9	0.22	1.12	0.609
El Salvador	1.03	1.46	3	0.12	1.28	0.542
El Salvador	1.03	1.46	6	1.00	1.46	1.000
			8	0.11	1.24	0.433
Guatemala	1.00	1.14	1	0.46	1.09	0.635
			2	0.44	1.05	0.336
			3	0.09	1.04	0.250
			5	0.17	1.07	0.524
			6	0.83	1.06	0.386
			7	0.26	1.02	0.103
			8	0.08	1.07	0.480
			9	0.16	1.04	0.286
Mexico	1.43	1.66	2	0.57	1.49	0.261
			5	0.32	1.49	0.248
			8	0.20	1.48	0.194
			9	0.25	1.48	0.206
Peru	1.00	1.10	8	0.21	1.00	0.010
Trinidad and Tobago	1.00	1.24	2	0.55	1.04	0.154
			4	0.02	1.05	0.189
			5	0.28	1.01	0.053
			6	0.72	1.09	0.338
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.63	3	0.07	1.15	0.079
			5	0.52	1.38	0.471
			6	0.48	1.49	0.703
			8	0.05	1.14	0.059
			9	0.28	1.22	0.186
Cameroon	1.08	1.97	1	0.40	1.87	0.856
			2	0.34	1.13	0.044
			5	0.64	1.67	0.592
			7	0.21	1.42	0.309
			8	0.16	1.14	0.053
			9	0.26	1.71	0.651
Madagascar	1.06	1.45	1	0.20	1.10	0.085
			2	0.51	1.41	0.888
			3	0.26	1.11	0.112
			6	0.20	1.23	0.403
			7	0.16	1.13	0.152
			8	0.19	1.10	0.096
			9	0.18	1.28	0.527
Namibia	1.03	1.45	1	0.24	1.29	0.579
			2	0.46	1.11	0.173
			3	0.27	1.06	0.068
			4	0.03	1.17	0.297
			5	0.38	1.35	0.730
			6	0.62	1.31	0.619
			9	0.27	1.20	0.365
Niger	1.12	1.43	2	0.09	1.24	0.357
			5	0.46	1.32	0.610

Table B.16—Continued

Variable: Age at marriage

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Niger	1.12	1.43	6	0.54	1.39	0.862
			7	0.09	1.28	0.486
			8	0.03	1.16	0.119
			9	0.28	1.27	0.470
Nigeria	1.36	2.65	2	0.23	1.40	0.024
			3	0.13	1.79	0.263
			4	0.02	1.48	0.067
			5	0.70	2.07	0.474
			6	0.30	2.37	0.729
			7	0.19	1.60	0.140
			8	0.09	1.51	0.081
			9	0.24	2.09	0.485
Rwanda	1.04	1.76	1	0.45	1.47	0.531
			2	0.47	1.48	0.543
			3	0.07	1.15	0.110
			5	0.95	1.76	0.993
			6	0.05	1.16	0.127
			7	0.26	1.12	0.078
			8	0.07	1.24	0.218
			9	0.05	1.19	0.159
Senegal	1.00	1.23	1	0.82	1.19	0.826
			2	0.12	1.04	0.142
			5	0.50	1.16	0.667
			6	0.50	1.20	0.879
			7	0.12	1.07	0.268
			9	0.28	1.12	0.522
Tanzania	1.25	1.37	2	0.54	1.27	0.134
			6	0.28	1.29	0.361
Zambia	1.02	1.17	1	0.21	1.11	0.624
			2	0.60	1.08	0.379
			6	0.43	1.13	0.750
			7	0.17	1.07	0.333
			8	0.15	1.09	0.440
Asia/Near East/North Africa						
Egypt	1.12	1.98	1	0.47	1.33	0.198
			2	0.31	1.37	0.229
			3	0.17	1.61	0.503
			4	0.05	1.15	0.031
			5	0.22	1.73	0.652
			6	0.78	1.66	0.565
			7	0.21	1.27	0.138
			8	0.13	1.46	0.331
			9	0.19	1.51	0.381
Indonesia	1.39	2.00	1	0.20	1.76	0.560
			2	0.56	1.46	0.097
			3	0.22	1.61	0.326
			5	0.47	1.75	0.558
			6	0.53	1.73	0.516
Indonesia	1.39	2.00	7	0.17	1.66	0.404
			8	0.18	1.49	0.148
			9	0.28	1.44	0.075
Jordan	1.08	1.27	3	0.41	1.11	0.173
			5	0.12	1.20	0.626
			6	0.88	1.23	0.761
			7	0.14	1.12	0.193
			8	0.16	1.18	0.531
			9	0.12	1.19	0.573
Morocco	1.00	1.32	1	0.77	1.31	0.982
			6	0.79	1.26	0.800
Pakistan	1.34	1.61	1	0.76	1.52	0.647
			3	0.13	1.38	0.130
			5	0.16	1.44	0.368
			6	0.84	1.51	0.624
			7	0.09	1.58	0.893
			8	0.06	1.52	0.647
			9	0.15	1.37	0.123
Latin America/Caribbean						
Colombia	1.20	1.49	1	0.04	1.34	0.455
			6	0.58	1.22	0.048
			7	0.04	1.35	0.497
			9	0.28	1.31	0.348
Dominican Republic	1.35	1.76	1	0.09	1.60	0.586
			2	0.59	1.43	0.177
			3	0.23	1.63	0.655
			4	0.10	1.36	0.025
			5	0.33	1.40	0.101
			6	0.67	1.69	0.823
			7	0.09	1.42	0.150
			8	0.19	1.52	0.396
Paraguay	1.05	1.40	1	0.04	1.18	0.335
			2	0.69	1.26	0.578
			3	0.21	1.17	0.321
			5	0.38	1.29	0.666
			6	0.61	1.24	0.516
			7	0.04	1.17	0.313
			8	0.19	1.05	0.010
			9	0.27	1.15	0.255
Peru	1.07	1.28	1	0.09	1.12	0.233
			2	0.40	1.16	0.431
			3	0.34	1.23	0.787
			5	0.10	1.17	0.469
			6	0.90	1.24	0.813
			7	0.09	1.11	0.182
			8	0.21	1.20	0.611
			9	0.10	1.13	0.284

Table B.16—Continued
Variable: Idea family size

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.52	1	0.20	1.45	0.824
			2	0.51	1.26	0.370
			3	0.27	1.10	0.029
			4	0.03	1.15	0.116
			5	0.31	1.15	0.123
			6	0.68	1.40	0.693
			7	0.16	1.38	0.656
Burundi	1.06	1.82	1	0.72	1.47	0.475
			2	0.21	1.29	0.244
			3	0.05	1.35	0.317
			5	0.08	1.49	0.495
			6	0.91	1.75	0.887
			7	0.19	1.34	0.302
			8	0.05	1.22	0.172
			9	0.09	1.38	0.356
Ghana	1.00	2.46	1	0.36	1.93	0.538
			2	0.56	1.32	0.148
			3	0.07	1.00	0.001
			5	0.51	1.65	0.339
			6	0.49	2.42	0.959
			7	0.25	1.79	0.434
			8	0.07	1.06	0.025
			9	0.28	1.68	0.357
Kenya	1.27	2.44	1	0.22	2.12	0.663
			2	0.54	1.77	0.348
			3	0.23	1.69	0.281
			7	0.18	1.89	0.449
			8	0.18	1.30	0.017
			9	0.13	1.53	0.163
Liberia	1.13	1.58	1	0.60	1.29	0.317
			2	0.21	1.34	0.421
			6	1.00	1.58	1.000
			7	0.18	1.30	0.328
			8	0.11	1.24	0.215
Mali	1.10	1.54	1	0.77	1.44	0.748
			2	0.21	1.41	0.684
			5	0.27	1.20	0.200
			6	0.73	1.44	0.746
			7	0.18	1.37	0.579
			8	0.02	1.23	0.260
			9	0.22	1.10	0.003
Nigeria (Ondo)	1.00	2.12	1	0.28	1.27	0.178
			2	0.22	1.11	0.066
			3	0.42	1.62	0.464
			4	0.08	1.26	0.170
			5	0.46	1.26	0.169
Nigeria (Ondo)	1.00	2.12	7	0.14	1.06	0.034
			8	0.17	1.11	0.064
			9	0.28	1.65	0.491
Senegal	1.00	1.65	1	0.76	1.54	0.808
			2	0.14	1.21	0.266
			3	0.10	1.04	0.047
			5	0.27	1.31	0.415
			6	0.73	1.59	0.886
			7	0.13	1.21	0.272
			8	0.06	1.05	0.059
			9	0.22	1.22	0.289
Sudan	1.00	1.32	1	0.43	1.17	0.490
			2	0.33	1.11	0.319
			3	0.22	1.02	0.043
			4	0.02	1.04	0.117
			5	0.09	1.16	0.450
			6	0.91	1.28	0.857
			7	0.21	1.03	0.084
			8	0.15	1.03	0.070
			9	0.09	1.12	0.343
Togo	1.00	1.84	2	0.29	1.25	0.238
			3	0.12	1.24	0.226
			5	0.70	1.67	0.756
			6	0.29	1.45	0.458
			7	0.22	1.39	0.395
			8	0.10	1.15	0.131
			9	0.24	1.21	0.193
Uganda	1.11	1.75	1	0.32	1.62	0.766
			2	0.54	1.30	0.254
			3	0.13	1.26	0.197
			5	0.12	1.20	0.122
			6	0.88	1.71	0.914
			7	0.23	1.48	0.517
			8	0.12	1.31	0.264
			9	0.12	1.24	0.174
Zimbabwe	1.00	1.28	1	0.12	1.11	0.375
			2	0.56	1.26	0.920
			3	0.32	1.21	0.717
			6	0.66	1.27	0.980
			7	0.11	1.13	0.421
			8	0.23	1.27	0.964
Asia/Near East/North Africa						
Egypt	1.03	1.69	1	0.45	1.52	0.703
			2	0.34	1.24	0.270
			3	0.15	1.05	0.025
			5	0.14	1.06	0.032

Table B.16—Continued
Variable: Ideal family size

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Egypt	1.03	1.69	6	0.86	1.64	0.922
			7	0.22	1.38	0.479
			9	0.14	1.18	0.181
Indonesia	1.20	2.24	1	0.20	1.94	0.656
			3	0.20	1.33	0.092
			4	0.02	1.39	0.142
			5	0.48	1.82	0.531
			6	0.51	2.08	0.809
			7	0.17	1.75	0.458
			8	0.17	1.66	0.368
			9	0.28	1.69	0.394
Morocco	1.00	1.60	2	0.12	1.19	0.264
			3	0.08	1.10	0.128
			5	0.09	1.50	0.800
			6	0.91	1.53	0.859
			7	0.12	1.27	0.392
			8	0.06	1.21	0.298
			9	0.09	1.43	0.681
Sri Lanka	1.05	1.37	1	0.12	1.19	0.390
			2	0.30	1.18	0.381
			3	0.35	1.11	0.172
			4	0.23	1.18	0.375
			5	0.20	1.33	0.841
			7	0.10	1.08	0.077
			8	0.18	1.08	0.082
Thailand	1.21	2.11	2	0.74	1.30	0.072
			5	0.63	1.62	0.385
			6	0.37	2.02	0.871
			9	0.27	1.58	0.341
Tunisia	1.00	1.79	2	0.32	1.42	0.460
			3	0.11	1.19	0.192
			5	0.11	1.26	0.271
			6	0.89	1.70	0.864
			7	0.23	1.40	0.434
			8	0.09	1.12	0.116
			9	0.11	1.15	0.150
Latin America/Caribbean						
Bolivia	1.21	1.40	1	0.15	1.28	0.358
			3	0.36	1.29	0.379
			5	0.27	1.34	0.688
			7	0.12	1.29	0.395
			8	0.22	1.29	0.395
			9	0.22	1.38	0.885
Brazil	1.06	1.37	1	0.08	1.23	0.510
			2	0.66	1.26	0.602
			3	0.20	1.23	0.504
			4	0.06	1.08	0.048
			5	0.44	1.22	0.487
Brazil	1.06	1.37	6	0.56	1.15	0.279
			7	0.08	1.21	0.455
			8	0.18	1.18	0.357
Colombia	1.03	1.26	2	0.48	1.15	0.508
			3	0.41	1.21	0.785
			4	0.05	1.11	0.316
			5	0.25	1.07	0.164
			8	0.25	1.09	0.266
			9	0.21	1.19	0.703
Dominican Republic	1.16	1.19	4	0.07	1.18	0.511
			7	0.06	1.18	0.738
Ecuador	1.00	1.58	2	0.47	1.57	0.973
			3	0.36	1.06	0.080
			5	0.25	1.11	0.153
			6	0.75	1.57	0.979
			8	0.23	1.44	0.713
			9	0.21	1.16	0.232
El Salvador	1.03	1.90	1	0.19	1.08	0.035
			2	0.63	1.84	0.909
			3	0.15	1.42	0.369
			6	1.00	1.90	1.000
			8	0.14	1.71	0.726
Guatemala	1.00	1.48	2	0.49	1.18	0.327
			3	0.16	1.10	0.183
			5	0.21	1.03	0.048
			6	0.79	1.47	0.968
			7	0.23	1.27	0.524
			8	0.13	1.11	0.188
			9	0.19	1.16	0.290
Mexico	1.43	1.98	2	0.46	1.53	0.155
			3	0.39	1.61	0.303
			5	0.35	1.80	0.653
			6	0.65	1.83	0.696
			9	0.26	1.64	0.356
Peru	1.00	1.35	2	0.38	1.05	0.127
			4	0.09	1.10	0.258
			6	0.56	1.30	0.839
			7	0.09	1.25	0.690
Trinidad and Tobago	1.00	1.08	2	0.45	1.01	0.063
			3	0.52	1.04	0.471
			4	0.02	1.02	0.214
			6	0.75	1.05	0.641
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.91	1	0.69	1.69	0.678
			2	0.16	1.35	0.254
			3	0.14	1.13	0.022
			5	0.46	1.37	0.267

Table B.16—Continued
Variable: Ideal family size

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Burkina Faso	1.10	1.91	6	0.54	1.79	0.811
			7	0.15	1.46	0.371
			8	0.09	1.22	0.112
			9	0.28	1.20	0.095
Cameroon	1.08	2.01	1	0.31	1.54	0.415
			2	0.33	1.50	0.371
			3	0.35	1.13	0.036
			5	0.52	1.85	0.782
			6	0.48	1.75	0.657
			7	0.18	1.37	0.250
			8	0.19	1.42	0.298
			9	0.28	1.75	0.660
Madagascar	1.06	2.06	1	0.16	1.27	0.156
			2	0.48	1.69	0.557
			3	0.32	1.66	0.530
			5	0.74	1.97	0.881
			6	0.25	1.82	0.700
			7	0.14	1.23	0.123
			8	0.22	1.63	0.498
			9	0.22	1.74	0.608
Namibia	1.03	1.64	1	0.14	1.23	0.275
			2	0.48	1.59	0.897
			3	0.36	1.52	0.769
			5	0.31	1.49	0.710
			6	0.68	1.42	0.589
			7	0.12	1.21	0.254
			8	0.23	1.56	0.839
			9	0.24	1.27	0.336
Niger	1.12	1.93	1	0.80	1.76	0.740
			2	0.11	1.35	0.233
			5	0.42	1.55	0.460
			6	0.58	1.82	0.827
			7	0.11	1.13	0.011
			8	0.05	1.34	0.220
			9	0.28	1.38	0.268
Nigeria	1.36	2.04	1	0.27	1.51	0.194
			2	0.30	1.41	0.061
			5	0.60	1.85	0.691
			6	0.40	1.77	0.551
			9	0.27	1.54	0.224
Rwanda	1.04	1.53	1	0.36	1.49	0.885
			2	0.53	1.23	0.339
			3	0.11	1.20	0.279
			5	0.90	1.50	0.909
			6	0.10	1.36	0.597
			7	0.24	1.39	0.673
			8	0.10	1.16	0.193
			9	0.10	1.38	0.647
Senegal	1.00	1.65	1	0.70	1.61	0.913
			2	0.19	1.16	0.204
			3	0.11	1.30	0.395
			5	0.44	1.57	0.851
			6	0.56	1.55	0.813
			7	0.17	1.25	0.322
			8	0.08	1.00	0.003
			9	0.28	1.47	0.663
Tanzania	1.25	2.03	2	0.63	1.71	0.525
			3	0.05	1.62	0.418
			5	0.67	1.81	0.666
			6	0.33	1.89	0.787
			8	0.05	1.35	0.104
			9	0.25	1.61	0.408
Zambia	1.02	1.36	1	0.16	1.25	0.669
			2	0.60	1.18	0.455
			3	0.22	1.07	0.124
			5	0.49	1.24	0.638
			6	0.51	1.28	0.742
			7	0.14	1.24	0.619
			9	0.28	1.15	0.361
Asia/Near East/North Africa						
Egypt	1.12	1.33	1	0.42	1.12	0.014
			2	0.33	1.18	0.267
			3	0.20	1.17	0.249
			5	0.22	1.30	0.816
			6	0.78	1.29	0.776
			8	0.14	1.14	0.108
			9	0.19	1.25	0.584
Indonesia	1.39	1.62	1	0.17	1.61	0.958
			4	0.02	1.47	0.345
			6	0.54	1.42	0.157
			7	0.15	1.58	0.852
			8	0.19	1.46	0.312
			9	0.28	1.46	0.295
Jordan	1.08	1.26	2	0.20	1.18	0.547
			3	0.49	1.14	0.295
			4	0.13	1.09	0.038
			5	0.12	1.21	0.725
			6	0.88	1.22	0.781
			8	0.16	1.14	0.300
			9	0.12	1.17	0.476
Morocco	1.00	2.02	2	0.13	1.09	0.058
			5	0.21	1.79	0.714
			6	0.79	1.91	0.856
			7	0.13	1.42	0.326
			8	0.06	1.01	0.003
			9	0.19	1.67	0.576

Table B.16—Continued
Variable: Ideal family size

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Pakistan	1.34	1.50	1	0.60	1.39	0.305
			2	0.12	1.41	0.454
			4	0.04	1.48	0.879
			6	0.85	1.45	0.674
			7	0.12	1.35	0.067
			8	0.09	1.47	0.798
Latin America/Caribbean						
Northeast Brazil	1.29	2.22	1	0.16	1.65	0.327
			2	0.62	1.74	0.411
			3	0.17	1.69	0.362
			5	0.48	1.89	0.584
			6	0.52	1.76	0.436
			7	0.15	1.40	0.092
			8	0.15	1.60	0.276
			9	0.28	1.34	0.037
Colombia	1.20	1.78	1	0.03	1.56	0.577
			2	0.37	1.50	0.477
			3	0.50	1.56	0.577
			4	0.10	1.26	0.080
			5	0.41	1.40	0.300
			6	0.59	1.53	0.528
			7	0.03	1.51	0.480
			8	0.24	1.43	0.345
Paraguay	1.05	1.40	1	0.02	1.22	0.465
			3	0.29	1.10	0.122
			5	0.40	1.12	0.169
			7	0.03	1.21	0.419
			8	0.23	1.27	0.588
			9	0.27	1.22	0.450
Peru	1.07	1.19	1	0.06	1.09	0.182
			3	0.41	1.18	0.894
			4	0.21	1.08	0.052
			5	0.08	1.14	0.548
			6	0.91	1.15	0.659
			7	0.06	1.13	0.480
			8	0.20	1.18	0.929
			9	0.09	1.11	0.322

Table B.16—Continued
Variable: Births in last 5 years

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.22	3	0.26	1.22	0.968
Burundi	1.06	1.27	5	0.08	1.20	0.660
			6	0.92	1.26	0.930
			9	0.08	1.17	0.483
Ghana	1.00	1.37	1	0.40	1.24	0.622
			2	0.53	1.12	0.300
			3	0.07	1.02	0.044
			5	0.51	1.14	0.336
			7	0.26	1.25	0.633
			9	0.28	1.19	0.477
Kenya	1.27	1.43	2	0.54	1.36	0.530
			5	0.13	1.28	0.055
			9	0.13	1.39	0.688
Liberia	1.13	1.40	2	0.20	1.24	0.370
			3	0.15	1.21	0.255
			6	1.00	1.40	1.000
			7	0.17	1.18	0.154
Mali	1.10	1.43	1	0.80	1.40	0.915
			2	0.18	1.15	0.143
			7	0.17	1.14	0.118
			9	0.21	1.17	0.205
Nigeria (Ondo)	1.00	2.26	1	0.37	1.80	0.547
			2	0.24	1.22	0.120
			3	0.33	1.33	0.189
			5	0.50	1.42	0.246
			7	0.16	1.18	0.096
			8	0.16	1.28	0.153
			9	0.28	1.79	0.538
Senegal	1.00	1.25	1	0.77	1.14	0.529
			3	0.09	1.23	0.929
			5	0.26	1.06	0.212
			8	0.06	1.21	0.804
			9	0.22	1.13	0.484
Sudan	1.00	1.25	1	0.58	1.22	0.872
			2	0.26	1.02	0.083
			3	0.14	1.04	0.161
			5	0.08	1.23	0.894
			6	0.92	1.18	0.692
			9	0.08	1.16	0.613
Togo	1.00	1.20	2	0.29	1.17	0.862
			5	0.70	1.10	0.470
			6	0.29	1.16	0.802
			8	0.10	1.02	0.099
			9	0.24	1.04	0.196
Uganda	1.11	1.19	1	0.34	1.13	0.265
			7	0.24	1.14	0.414
Zimbabwe	1.00	1.11	1	0.13	1.04	0.371
			2	0.56	1.06	0.586
			5	0.34	1.09	0.805
			6	0.66	1.01	0.089
			7	0.12	1.06	0.501
			8	0.22	1.10	0.941
Asia/Near East/North Africa						
Egypt	1.03	1.45	1	0.50	1.24	0.452
			2	0.32	1.22	0.405
			3	0.13	1.26	0.502
			4	0.05	1.40	0.853
			5	0.13	1.33	0.683
			6	0.87	1.36	0.747
			7	0.22	1.13	0.199
			8	0.11	1.24	0.464
			9	0.13	1.28	0.543
Indonesia	1.20	1.88	2	0.57	1.71	0.700
			4	0.02	1.33	0.162
			5	0.48	1.61	0.548
			6	0.52	1.72	0.720
			7	0.18	1.71	0.712
			8	0.16	1.25	0.058
			9	0.28	1.43	0.295
Morocco	1.00	1.43	2	0.10	1.22	0.461
			3	0.06	1.17	0.348
			5	0.07	1.21	0.445
			6	0.93	1.40	0.901
			7	0.10	1.18	0.370
			8	0.04	1.10	0.193
			9	0.08	1.17	0.355
Sri Lanka	1.05	1.10	1	0.13	1.08	0.580
			6	0.81	1.07	0.410
Thailand	1.21	1.52	2	0.74	1.42	0.658
			3	0.11	1.39	0.553
			4	0.06	1.28	0.217
			6	0.37	1.44	0.719
			8	0.11	1.44	0.725
			9	0.26	1.44	0.715
Tunisia	1.00	1.48	1	0.57	1.46	0.941
			2	0.31	1.33	0.635
			3	0.11	1.05	0.079
			5	0.11	1.18	0.328
			6	0.89	1.42	0.849
			7	0.23	1.31	0.591
			8	0.09	1.11	0.191
			9	0.11	1.10	0.182
Latin America/Caribbean						
Bolivia	1.21	1.47	2	0.40	1.22	0.008

Table B.16—Continued
Variable: Births in last 5 years

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Bolivia	1.21	1.47	3	0.36	1.34	0.481
			5	0.27	1.27	0.187
			6	0.73	1.37	0.586
			7	0.13	1.41	0.734
			8	0.22	1.26	0.162
Brazil	1.06	1.34	2	0.66	1.32	0.914
			5	0.44	1.21	0.495
			6	0.56	1.19	0.418
			7	0.08	1.09	0.094
			9	0.28	1.07	0.034
Colombia	1.03	1.67	1	0.06	1.24	0.277
			2	0.49	1.57	0.816
			3	0.40	1.26	0.315
			4	0.05	1.07	0.049
			5	0.24	1.13	0.126
			6	0.75	1.61	0.890
			7	0.06	1.24	0.283
			8	0.25	1.30	0.363
			9	0.21	1.20	0.230
Dominican Republic	1.16	1.45	2	0.65	1.43	0.916
			3	0.22	1.32	0.530
			8	0.19	1.30	0.436
			9	0.18	1.28	0.385
Ecuador	1.00	1.30	2	0.47	1.25	0.809
			3	0.35	1.09	0.283
			5	0.25	1.16	0.490
			6	0.75	1.24	0.784
			8	0.23	1.16	0.497
			9	0.21	1.12	0.372
El Salvador	1.03	1.34	1	0.19	1.19	0.468
			4	0.03	1.10	0.190
			6	1.00	1.34	1.000
Guatemala	1.00	1.38	1	0.38	1.24	0.601
			2	0.47	1.07	0.155
			3	0.13	1.03	0.071
			5	0.20	1.16	0.396
			6	0.80	1.32	0.845
			7	0.24	1.07	0.165
			9	0.18	1.21	0.508
Mexico	1.43	1.71	2	0.47	1.58	0.519
			4	0.07	1.44	0.046
			6	0.65	1.59	0.547
			8	0.24	1.49	0.187
Peru	1.00	1.17	4	0.09	1.01	0.062
			5	0.44	1.05	0.285
			9	0.28	1.11	0.621
Trinidad and Tobago	1.00	1.31	2	0.45	1.08	0.224
			3	0.52	1.10	0.307
Trinidad and Tobago	1.00	1.31	5	0.25	1.13	0.376
			6	0.75	1.22	0.706
			9	0.21	1.05	0.145
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.33	1	0.73	1.23	0.545
			2	0.14	1.29	0.798
			5	0.46	1.26	0.657
			6	0.54	1.25	0.634
			7	0.14	1.31	0.915
			8	0.07	1.13	0.105
			9	0.28	1.19	0.354
Cameroon	1.08	1.11	2	0.33	1.11	0.780
			3	0.32	1.08	0.098
Madagascar	1.06	1.26	1	0.17	1.17	0.520
			2	0.49	1.19	0.634
			4	0.03	1.09	0.141
			6	0.25	1.25	0.952
			7	0.14	1.19	0.624
			8	0.22	1.21	0.710
Namibia	1.03	1.40	1	0.15	1.12	0.207
			2	0.49	1.36	0.866
			3	0.34	1.20	0.421
			5	0.31	1.12	0.217
			6	0.69	1.36	0.869
			7	0.13	1.10	0.164
			8	0.23	1.26	0.584
			9	0.24	1.05	0.052
Niger	1.12	1.47	1	0.82	1.46	0.971
			2	0.11	1.25	0.352
			3	0.07	1.24	0.319
			6	0.57	1.24	0.330
			7	0.11	1.31	0.522
			8	0.05	1.25	0.357
			9	0.28	1.29	0.448
Nigeria	1.36	1.67	1	0.52	1.50	0.433
			2	0.24	1.38	0.069
			3	0.22	1.51	0.475
			5	0.59	1.42	0.174
			6	0.41	1.56	0.620
			7	0.19	1.44	0.250
			9	0.27	1.39	0.084
Rwanda	1.04	1.46	1	0.36	1.12	0.163
			2	0.53	1.39	0.791
			5	0.90	1.40	0.839
			7	0.24	1.11	0.136
			8	0.10	1.11	0.134
			9	0.10	1.11	0.136

Table B.16—Continued
Variable: Births in last 5 years

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Senegal	1.00	1.31	1	0.73	1.26	0.825
			2	0.17	1.11	0.332
			3	0.09	1.12	0.354
			5	0.45	1.17	0.520
			6	0.55	1.19	0.579
			7	0.16	1.12	0.351
			8	0.07	1.02	0.051
			9	0.28	1.03	0.090
Tanzania	1.25	1.48	1	0.35	1.31	0.234
			2	0.60	1.47	0.963
			3	0.05	1.46	0.917
			5	0.67	1.35	0.409
			6	0.33	1.44	0.798
			7	0.25	1.43	0.749
			8	0.05	1.42	0.726
			9	0.25	1.25	0.013
Zambia	1.02	1.29	1	0.17	1.24	0.794
			2	0.60	1.09	0.239
			3	0.21	1.20	0.662
			5	0.49	1.15	0.470
			6	0.51	1.25	0.871
			7	0.15	1.09	0.253
			8	0.18	1.14	0.414
			9	0.28	1.08	0.189
Asia/Near East/North Africa						
Egypt	1.12	1.43	1	0.47	1.30	0.546
			3	0.17	1.16	0.134
			4	0.05	1.23	0.323
			5	0.21	1.34	0.690
			6	0.79	1.30	0.536
			7	0.22	1.24	0.372
			8	0.12	1.24	0.360
			9	0.19	1.20	0.248
Indonesia	1.39	1.61	1	0.20	1.39	0.016
			2	0.57	1.47	0.377
			3	0.22	1.43	0.200
			4	0.02	1.48	0.412
			5	0.46	1.60	0.929
			6	0.54	1.45	0.290
			9	0.28	1.44	0.221
Jordan	1.08	1.39	2	0.22	1.17	0.281
			3	0.42	1.32	0.738
			4	0.10	1.14	0.179
			5	0.11	1.17	0.254
			7	0.13	1.30	0.697
			8	0.16	1.10	0.069
			9	0.11	1.18	0.299
Morocco	1.00	1.59	1	0.63	1.45	0.721
Morocco	1.00	1.59	2	0.17	1.16	0.219
			4	0.02	1.06	0.079
			6	0.77	1.38	0.588
			7	0.15	1.29	0.426
			8	0.10	1.03	0.043
			9	0.20	1.54	0.888
Pakistan	1.34	1.61	1	0.76	1.58	0.903
			3	0.13	1.46	0.430
			6	0.84	1.40	0.235
			9	0.15	1.46	0.445
Latin America/Caribbean						
Northeast Brazil	1.29	1.99	2	0.62	1.34	0.052
			3	0.17	1.62	0.415
			4	0.04	1.32	0.028
			6	0.52	1.46	0.197
			8	0.15	1.57	0.350
			9	0.28	1.38	0.095
Colombia	1.20	1.51	1	0.03	1.34	0.410
			2	0.37	1.34	0.423
			3	0.50	1.47	0.884
			4	0.10	1.28	0.222
			5	0.41	1.47	0.887
			7	0.03	1.35	0.463
			8	0.24	1.30	0.288
Dominican Republic	1.35	1.62	1	0.07	1.48	0.453
			2	0.55	1.53	0.633
			4	0.10	1.39	0.143
			5	0.30	1.48	0.471
			6	0.70	1.43	0.285
			7	0.07	1.37	0.064
Paraguay	1.05	1.28	1	0.03	1.07	0.097
			2	0.64	1.15	0.427
			3	0.27	1.16	0.440
			5	0.40	1.15	0.431
			6	0.60	1.19	0.610
			7	0.03	1.08	0.121
			8	0.22	1.11	0.234
			9	0.27	1.13	0.344
Peru	1.07	1.25	1	0.06	1.23	0.861
			2	0.32	1.14	0.374
			3	0.41	1.15	0.438
			4	0.21	1.18	0.580
			7	0.06	1.17	0.509
			8	0.20	1.17	0.525
			9	0.09	1.08	0.073

Table B.16—Continued
Variable: Children ever born

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.36	1	0.21	1.33	0.901
			2	0.51	1.21	0.407
			3	0.26	1.25	0.584
			4	0.03	1.34	0.913
			5	0.31	1.18	0.316
			8	0.20	1.25	0.581
			9	0.24	1.20	0.371
Ghana	1.00	1.16	1	0.40	1.13	0.838
			3	0.07	1.16	0.993
			9	0.28	1.13	0.831
Kenya	1.27	1.51	3	0.22	1.40	0.494
			6	0.86	1.47	0.818
			7	0.19	1.35	0.310
			8	0.18	1.37	0.385
Liberia	1.13	1.35	1	0.64	1.28	0.658
			2	0.20	1.19	0.243
			6	1.00	1.35	1.000
			7	0.17	1.19	0.248
Mali	1.10	1.15	1	0.80	1.14	0.773
			5	0.25	1.10	0.050
Nigeria (Ondo)	1.00	2.31	1	0.37	1.74	0.466
			2	0.24	1.29	0.154
			3	0.33	1.31	0.163
			5	0.50	1.34	0.185
			7	0.16	1.31	0.162
			8	0.16	1.29	0.154
			9	0.28	2.15	0.836
Sudan	1.00	1.08	6	0.92	1.08	0.923
Togo	1.00	1.18	2	0.29	1.12	0.646
			3	0.12	1.08	0.441
			5	0.70	1.16	0.888
			6	0.29	1.07	0.365
			7	0.22	1.09	0.479
			8	0.10	1.06	0.327
			9	0.24	1.08	0.419
Asia/Near East/North Africa						
Egypt	1.03	1.49	1	0.50	1.12	0.174
			2	0.32	1.14	0.199
			3	0.13	1.28	0.504
			4	0.05	1.16	0.241
			5	0.13	1.38	0.727
			6	0.87	1.23	0.396
			7	0.22	1.20	0.330
			8	0.11	1.06	0.059
			9	0.13	1.20	0.335
Indonesia	1.20	1.70	1	0.22	1.69	0.977
			2	0.57	1.64	0.860
Indonesia	1.20	1.70	3	0.19	1.43	0.416
			4	0.02	1.37	0.299
			6	0.52	1.45	0.462
			7	0.18	1.57	0.704
			8	0.16	1.35	0.266
			9	0.28	1.56	0.680
Morocco	1.00	1.37	1	0.83	1.20	0.509
			2	0.10	1.06	0.133
			3	0.06	1.15	0.363
			6	0.93	1.32	0.839
			8	0.04	1.08	0.192
Thailand	1.21	1.62	1	0.09	1.30	0.197
			2	0.74	1.23	0.040
			4	0.06	1.37	0.367
			5	0.63	1.44	0.531
			6	0.37	1.59	0.904
			7	0.09	1.24	0.066
			9	0.26	1.44	0.522
Tunisia	1.00	1.34	1	0.57	1.31	0.905
			2	0.31	1.20	0.559
			3	0.11	1.05	0.142
			5	0.11	1.06	0.153
			6	0.89	1.29	0.862
			7	0.23	1.20	0.550
			8	0.09	1.12	0.314
			9	0.11	1.05	0.134
Latin America/Caribbean						
Bolivia	1.21	1.35	6	0.73	1.28	0.488
			8	0.22	1.23	0.133
Brazil	1.06	1.33	2	0.66	1.23	0.594
			4	0.06	1.20	0.479
			5	0.44	1.33	0.980
			6	0.56	1.16	0.348
			8	0.17	1.10	0.149
			9	0.28	1.18	0.409
Colombia	1.03	1.59	2	0.49	1.16	0.192
			3	0.40	1.09	0.085
			4	0.05	1.07	0.055
			5	0.24	1.37	0.563
			6	0.75	1.48	0.781
			8	0.25	1.09	0.093
			9	0.21	1.32	0.461
Dominican Republic	1.16	1.31	3	0.22	1.19	0.167
			4	0.07	1.25	0.593
			6	0.80	1.28	0.733
Ecuador	1.00	1.32	1	0.08	1.09	0.248
			2	0.47	1.11	0.302
			4	0.09	1.11	0.311
			5	0.25	1.17	0.494

Table B.16—Continued
Variable: Children ever born

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Ecuador	1.00	1.32	6	0.75	1.25	0.765
			7	0.08	1.11	0.305
			8	0.23	1.04	0.114
			9	0.21	1.13	0.369
El Salvador	1.03	1.37	1	0.19	1.18	0.386
			4	0.03	1.21	0.498
			6	1.00	1.37	1.000
Guatemala	1.00	1.14	6	0.80	1.06	0.424
			8	0.12	1.06	0.390
			9	0.18	1.13	0.874
Mexico	1.43	1.67	1	0.09	1.55	0.490
			2	0.47	1.50	0.283
			4	0.07	1.44	0.025
			7	0.08	1.51	0.331
			8	0.24	1.56	0.535
Trinidad and Tobago	1.00	1.11	2	0.45	1.01	0.083
			6	0.75	1.07	0.610
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.21	1	0.73	1.17	0.589
			2	0.14	1.18	0.691
			3	0.11	1.13	0.229
			8	0.07	1.14	0.372
			9	0.28	1.10	0.011
Cameroon	1.08	1.28	2	0.33	1.09	0.060
			3	0.32	1.17	0.408
			8	0.19	1.15	0.326
Namibia	1.03	1.19	3	0.34	1.15	0.704
			5	0.31	1.19	0.993
			9	0.24	1.17	0.870
Niger	1.12	1.39	1	0.82	1.39	0.980
			2	0.11	1.12	0.015
			3	0.07	1.14	0.067
			7	0.11	1.13	0.057
			8	0.05	1.18	0.224
			9	0.28	1.24	0.438
Rwanda	1.04	1.28	1	0.36	1.18	0.546
			2	0.53	1.24	0.809
			3	0.11	1.21	0.710
			5	0.90	1.18	0.572
			7	0.24	1.24	0.814
			8	0.10	1.26	0.939
Zambia	1.02	1.10	2	0.60	1.07	0.606
			5	0.49	1.05	0.446
			6	0.51	1.03	0.131
			8	0.18	1.03	0.131
Asia/Near East/North Africa						
Egypt	1.12	1.28	1	0.47	1.13	0.072
			2	0.32	1.28	0.993
Egypt	1.12	1.28	3	0.17	1.28	0.993
			4	0.05	1.20	0.506
			6	0.79	1.21	0.563
			7	0.22	1.23	0.697
			8	0.12	1.26	0.860
Indonesia	1.39	1.52	3	0.22	1.42	0.278
			4	0.02	1.45	0.440
			6	0.54	1.46	0.521
			8	0.18	1.51	0.954
			9	0.28	1.44	0.410
Jordan	1.08	1.23	1	0.25	1.11	0.176
			2	0.22	1.22	0.964
			4	0.10	1.09	0.073
			5	0.11	1.11	0.189
			6	0.89	1.21	0.893
			9	0.11	1.09	0.060
Morocco	1.00	1.30	2	0.17	1.09	0.283
			3	0.18	1.20	0.637
			6	0.77	1.09	0.280
			7	0.15	1.18	0.588
			8	0.10	1.09	0.286
Pakistan	1.34	1.58	1	0.76	1.53	0.784
			2	0.09	1.47	0.537
			3	0.13	1.38	0.176
			7	0.09	1.40	0.254
			8	0.06	1.42	0.328
Latin America/Caribbean						
Northeast Brazil	1.29	1.58	1	0.17	1.39	0.326
			4	0.04	1.30	0.033
			7	0.15	1.42	0.428
Colombia	1.20	2.27	1	0.03	1.61	0.306
			2	0.37	1.60	0.296
			3	0.50	1.35	0.104
			4	0.10	1.29	0.059
			5	0.41	1.61	0.311
			6	0.59	2.16	0.860
			7	0.03	1.43	0.164
			8	0.24	1.54	0.247
			9	0.27	1.53	0.239
Dominican Republic	1.35	1.44	1	0.07	1.42	0.868
			7	0.07	1.42	0.856
Paraguay	1.05	1.29	2	0.64	1.08	0.119
			5	0.40	1.18	0.515
			6	0.60	1.24	0.785
			9	0.27	1.16	0.443
Peru	1.07	1.16	1	0.06	1.13	0.668
			3	0.41	1.12	0.574
			6	0.91	1.15	0.988
			7	0.06	1.13	0.644

Table B.16—Continued

Variable: Mother received tetanus

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.62	2	0.51	1.20	0.169
			3	0.26	1.10	0.013
			6	0.69	1.55	0.842
			7	0.17	1.39	0.507
			8	0.20	1.22	0.214
			9	0.24	1.57	0.887
Burundi	1.06	2.12	2	0.21	1.25	0.130
			3	0.05	1.11	0.035
			5	0.08	1.34	0.204
			6	0.92	2.05	0.915
			9	0.08	1.21	0.100
Ghana	1.00	1.87	2	0.53	1.35	0.323
			3	0.07	1.01	0.006
			5	0.51	1.33	0.305
			6	0.49	1.65	0.681
			7	0.26	1.78	0.869
			9	0.28	1.16	0.138
Kenya	1.27	1.49	5	0.13	1.35	0.329
			6	0.86	1.42	0.681
Liberia	1.13	1.59	2	0.20	1.33	0.385
			6	1.00	1.59	1.000
			7	0.17	1.24	0.214
Mali	1.10	1.63	1	0.80	1.43	0.579
			2	0.18	1.30	0.328
			5	0.25	1.18	0.127
			6	0.75	1.52	0.749
			7	0.17	1.21	0.169
Nigeria (Ondo)	1.00	2.63	1	0.37	1.75	0.351
			2	0.24	1.37	0.147
			3	0.33	1.36	0.145
			5	0.50	2.31	0.733
			6	0.50	2.16	0.622
			7	0.16	1.22	0.082
			8	0.16	1.12	0.041
			9	0.28	1.89	0.435
Senegal	1.00	1.57	5	0.26	1.31	0.497
			6	0.73	1.35	0.570
			7	0.13	1.01	0.012
			9	0.22	1.04	0.055
Sudan	1.00	1.68	1	0.58	1.53	0.738
			2	0.26	1.21	0.257
			3	0.14	1.09	0.105
			5	0.08	1.23	0.280
			6	0.92	1.66	0.961
			7	0.21	1.17	0.205
			8	0.10	1.05	0.058
Sudan	1.00	1.68	9	0.08	1.20	0.248
Togo	1.00	2.44	2	0.29	1.19	0.085
			5	0.70	2.07	0.660
			6	0.29	1.88	0.513
			7	0.22	1.58	0.300
			9	0.24	1.35	0.164
Uganda	1.11	1.83	1	0.34	1.37	0.309
			2	0.53	1.18	0.082
			3	0.12	1.27	0.183
			5	0.11	1.16	0.059
			6	0.88	1.80	0.954
			7	0.24	1.19	0.093
			8	0.11	1.12	0.017
			9	0.11	1.17	0.067
Zimbabwe	1.00	1.33	1	0.13	1.14	0.382
			2	0.56	1.21	0.623
			5	0.34	1.25	0.733
			6	0.66	1.16	0.439
			7	0.12	1.06	0.160
			8	0.22	1.31	0.924
Asia/Near East/North Africa						
Egypt	1.03	1.79	1	0.50	1.71	0.873
			2	0.32	1.17	0.146
			3	0.13	1.31	0.309
			4	0.05	1.19	0.162
			5	0.13	1.24	0.221
			6	0.87	1.70	0.854
			7	0.22	1.09	0.063
			8	0.11	1.10	0.068
			9	0.13	1.09	0.061
Sri Lanka	1.05	1.25	1	0.13	1.23	0.885
			2	0.30	1.17	0.566
			4	0.22	1.10	0.225
			6	0.81	1.21	0.788
			7	0.10	1.19	0.681
			9	0.18	1.24	0.967
Thailand	1.21	1.71	1	0.09	1.60	0.742
			2	0.74	1.57	0.686
			4	0.06	1.23	0.035
			6	0.37	1.44	0.415
			7	0.09	1.59	0.720
			9	0.26	1.48	0.486
Tunisia	1.00	1.58	1	0.57	1.51	0.845
			2	0.31	1.14	0.200
			3	0.11	1.07	0.094
			5	0.11	1.17	0.248
			7	0.23	1.14	0.199
			8	0.09	1.03	0.045

Table B.16—Continued
Variable: Mother received tetanus

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Tunisia	1.00	1.58	9	0.11	1.23	0.346
Latin America/Caribbean						
Bolivia	1.21	1.33	1	0.15	1.29	0.618
Brazil	1.06	1.57	1	0.08	1.10	0.073
			2	0.66	1.54	0.926
			3	0.20	1.21	0.262
			4	0.06	1.29	0.410
			5	0.44	1.29	0.404
			6	0.56	1.47	0.777
			7	0.08	1.14	0.126
			8	0.17	1.23	0.285
			9	0.28	1.16	0.167
Colombia	1.03	1.15	3	0.40	1.14	0.938
			9	0.21	1.04	0.116
Ecuador	1.00	1.58	1	0.08	1.23	0.335
			2	0.47	1.46	0.764
			3	0.35	1.05	0.068
			4	0.09	1.08	0.114
			7	0.08	1.10	0.139
			8	0.23	1.04	0.049
			9	0.21	1.00	0.003
El Salvador	1.03	1.34	2	0.63	1.18	0.444
			4	0.03	1.13	0.295
			6	1.00	1.34	1.000
Guatemala	1.00	1.60	1	0.38	1.21	0.298
			2	0.47	1.42	0.652
			3	0.13	1.10	0.133
			5	0.20	1.09	0.122
			7	0.24	1.28	0.414
			8	0.12	1.14	0.198
			9	0.18	1.25	0.359
Peru	1.00	1.15	1	0.11	1.05	0.322
			5	0.44	1.07	0.424
			6	0.56	1.10	0.613
			7	0.10	1.10	0.613
Trinidad and Tobago	1.00	1.11	2	0.45	1.05	0.446
			3	0.52	1.02	0.207
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	2.26	1	0.83	2.10	0.825
			2	0.12	1.48	0.252
			3	0.05	1.27	0.100
			5	0.49	1.91	0.625
			6	0.51	1.94	0.659
			7	0.11	1.51	0.275
			8	0.04	1.28	0.108
			9	0.28	1.52	0.282
Cameroon	1.08	1.88	1	0.36	1.74	0.781
Cameroon	1.08	1.88	2	0.37	1.17	0.083
			3	0.26	1.37	0.293
			5	0.59	1.70	0.729
			6	0.41	1.50	0.459
			7	0.21	1.52	0.485
			8	0.17	1.20	0.118
			9	0.28	1.31	0.226
Madagascar	1.06	2.00	1	0.19	1.27	0.170
			2	0.55	1.82	0.765
			3	0.24	1.53	0.426
			5	0.79	1.96	0.940
			6	0.21	1.27	0.173
			7	0.16	1.21	0.119
			8	0.19	1.39	0.280
			9	0.19	1.27	0.169
Namibia	1.03	1.35	2	0.52	1.18	0.432
			3	0.30	1.16	0.374
			5	0.32	1.15	0.341
			7	0.15	1.21	0.544
			8	0.21	1.09	0.166
			9	0.25	1.17	0.423
Niger	1.12	2.63	1	0.86	2.53	0.910
			2	0.10	1.71	0.296
			3	0.04	1.54	0.199
			5	0.42	1.89	0.410
			6	0.58	2.23	0.664
			7	0.10	1.63	0.249
			8	0.03	1.57	0.217
			9	0.28	1.30	0.079
Nigeria	1.36	3.86	2	0.26	1.95	0.149
			3	0.14	1.51	0.034
			5	0.68	3.70	0.905
			6	0.32	2.03	0.173
			7	0.21	3.01	0.552
			8	0.10	1.52	0.035
			9	0.25	2.47	0.325
Rwanda	1.04	1.46	1	0.45	1.27	0.513
			2	0.48	1.15	0.213
			3	0.07	1.24	0.431
			5	0.96	1.44	0.941
			6	0.04	1.05	0.018
			8	0.07	1.20	0.342
			9	0.05	1.07	0.061
Senegal	1.00	1.95	2	0.13	1.01	0.005
			5	0.47	1.54	0.491
			6	0.53	1.83	0.841
			7	0.13	1.31	0.253
			8	0.04	1.00	0.001

Table B.16—Continued

Variable: Mother received tetanus

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Senegal	1.00	1.95	9	0.28	1.39	0.339
Tanzania	1.25	1.50	1	0.37	1.48	0.905
			2	0.59	1.31	0.230
			5	0.72	1.30	0.203
			6	0.28	1.35	0.368
			7	0.26	1.31	0.233
Zambia	1.02	1.70	1	0.18	1.66	0.927
			2	0.63	1.45	0.573
			5	0.55	1.53	0.706
			6	0.45	1.53	0.715
			7	0.16	1.48	0.631
			8	0.16	1.07	0.055
			9	0.28	1.34	0.405
Asia/Near East/North Africa						
Egypt	1.12	1.43	1	0.50	1.40	0.871
			2	0.29	1.22	0.289
			3	0.17	1.25	0.383
			5	0.20	1.43	0.979
			6	0.80	1.40	0.871
			7	0.21	1.27	0.443
			8	0.12	1.20	0.250
			9	0.18	1.39	0.853
Indonesia	1.39	2.00	1	0.17	1.71	0.477
			2	0.58	1.87	0.752
			5	0.41	1.66	0.405
			6	0.59	1.81	0.662
			7	0.15	1.57	0.257
			8	0.19	1.42	0.046
			9	0.27	1.46	0.104
Jordan	1.08	1.26	2	0.21	1.26	0.971
			4	0.11	1.12	0.202
			8	0.16	1.14	0.302
Morocco	1.00	1.34	1	0.82	1.32	0.943
			3	0.07	1.22	0.615
			5	0.20	1.29	0.834
			6	0.80	1.23	0.643
			9	0.18	1.16	0.449
Pakistan	1.34	1.55	1	0.76	1.52	0.839
			2	0.10	1.44	0.455
			6	0.85	1.49	0.705
			8	0.06	1.37	0.150
Latin America/Caribbean						
Northeast Brazil	1.29	1.75	1	0.24	1.39	0.183
			2	0.62	1.35	0.099
			6	0.58	1.64	0.751
Colombia	1.20	1.48	2	0.44	1.30	0.325
			4	0.07	1.31	0.374
			5	0.34	1.34	0.455
Colombia	1.20	1.48	8	0.25	1.37	0.563
Dominican Republic	1.35	1.41	6	0.75	1.41	0.966
Paraguay	1.05	1.37	2	0.74	1.29	0.706
			3	0.18	1.09	0.113
			6	0.71	1.33	0.844
			8	0.16	1.12	0.198
Peru	1.07	1.33	2	0.45	1.26	0.726
			3	0.33	1.09	0.074
			4	0.11	1.19	0.420
			5	0.12	1.22	0.536
			6	0.88	1.32	0.962
			7	0.09	1.26	0.698
			8	0.22	1.13	0.209
			9	0.12	1.21	0.497

Table B.16—Continued
Variable: Had diarrhea

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.62	1	0.21	1.44	0.604
			2	0.51	1.37	0.470
			4	0.03	1.09	0.006
			5	0.31	1.46	0.656
			6	0.69	1.41	0.547
			7	0.17	1.22	0.208
			9	0.24	1.18	0.145
Ghana	1.00	1.45	1	0.40	1.37	0.801
			2	0.53	1.15	0.294
			5	0.51	1.35	0.751
			6	0.49	1.33	0.705
			7	0.26	1.18	0.358
			8	0.07	1.01	0.020
			9	0.28	1.23	0.459
Mali	1.10	1.50	1	0.80	1.38	0.675
			2	0.18	1.10	0.014
Nigeria (Ondo)	1.00	1.21	2	0.24	1.05	0.203
			4	0.06	1.04	0.167
			6	0.50	1.01	0.052
			7	0.16	1.04	0.176
			9	0.28	1.11	0.510
Senegal	1.00	1.41	1	0.77	1.32	0.749
			2	0.14	1.14	0.296
			3	0.09	1.05	0.107
			5	0.26	1.13	0.284
			6	0.73	1.33	0.795
			7	0.13	1.01	0.025
			9	0.22	1.04	0.080
Sudan	1.00	1.18	2	0.26	1.04	0.214
			5	0.08	1.05	0.247
			6	0.92	1.17	0.951
			7	0.21	1.13	0.716
			9	0.08	1.04	0.209
Togo	1.00	1.12	2	0.29	1.04	0.289
			5	0.70	1.08	0.654
			7	0.22	1.04	0.328
			9	0.24	1.09	0.712
Uganda	1.11	1.26	1	0.34	1.23	0.819
			2	0.53	1.11	0.010
			3	0.12	1.24	0.888
			6	0.88	1.19	0.529
			8	0.11	1.12	0.110
			9	0.11	1.18	0.496
Zimbabwe	1.00	1.15	3	0.30	1.06	0.394
			6	0.66	1.12	0.791
			7	0.12	1.08	0.497
Asia/Near East/North Africa						
Morocco	1.00	1.45	2	0.10	1.01	0.011
			5	0.07	1.03	0.048
			9	0.08	1.03	0.046
Sri Lanka	1.05	1.13	1	0.13	1.13	0.975
			2	0.30	1.09	0.491
			5	0.19	1.06	0.166
			6	0.81	1.09	0.467
			7	0.10	1.13	0.987
Thailand	1.21	1.37	2	0.74	1.25	0.247
			4	0.06	1.22	0.078
			6	0.37	1.23	0.120
			9	0.26	1.25	0.223
Tunisia	1.00	1.54	2	0.31	1.12	0.193
			5	0.11	1.04	0.054
			6	0.89	1.52	0.959
			7	0.23	1.36	0.622
			9	0.11	1.03	0.039
Latin America/Caribbean						
Bolivia	1.21	1.19	6	0.73	1.21	0.138
			8	0.22	1.20	0.327
Brazil	1.06	1.16	2	0.66	1.15	0.924
			6	0.56	1.12	0.636
Colombia	1.03	1.25	2	0.49	1.14	0.499
			3	0.40	1.06	0.148
			4	0.05	1.05	0.093
			5	0.24	1.10	0.303
			8	0.25	1.11	0.347
			9	0.21	1.13	0.432
Dominican Republic	1.16	1.30	2	0.65	1.30	0.993
			3	0.22	1.20	0.247
			5	0.20	1.25	0.637
			8	0.19	1.18	0.152
			9	0.18	1.29	0.868
El Salvador	1.03	1.41	1	0.19	1.06	0.063
			2	0.63	1.05	0.033
			6	1.00	1.41	1.000
Guatemala	1.00	1.31	1	0.38	1.01	0.017
			2	0.47	1.09	0.252
			5	0.20	1.04	0.116
			6	0.80	1.31	0.978
			9	0.18	1.05	0.154
Peru	1.00	1.09	5	0.44	1.00	0.022
			6	0.56	1.07	0.739
			7	0.10	1.08	0.940
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.33	1	0.83	1.25	0.615

Table B.16—Continued
Variable: Had diarrhea

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Burkina Faso	1.10	1.33	5	0.49	1.19	0.381
			6	0.51	1.31	0.905
			8	0.04	1.15	0.200
			9	0.28	1.17	0.262
Cameroon	1.08	1.50	1	0.34	1.16	0.171
			2	0.38	1.31	0.514
			3	0.27	1.28	0.440
			5	0.58	1.41	0.759
			6	0.42	1.45	0.849
			8	0.18	1.20	0.243
			9	0.28	1.34	0.587
Madagascar	1.06	1.35	2	0.55	1.21	0.493
			3	0.25	1.13	0.224
			6	0.21	1.15	0.282
			9	0.19	1.16	0.330
Namibia	1.03	1.29	1	0.17	1.06	0.123
			2	0.52	1.21	0.668
			3	0.30	1.15	0.424
			5	0.32	1.08	0.190
			6	0.67	1.21	0.668
			8	0.21	1.13	0.376
Niger	1.12	1.57	1	0.84	1.50	0.822
			2	0.11	1.22	0.195
			3	0.04	1.23	0.223
			5	0.42	1.52	0.859
			6	0.58	1.46	0.714
			7	0.11	1.20	0.168
			8	0.04	1.23	0.213
			9	0.28	1.40	0.583
Nigeria	1.36	1.75	1	0.57	1.59	0.567
			2	0.27	1.46	0.236
			3	0.14	1.58	0.538
			5	0.68	1.67	0.769
			6	0.32	1.70	0.860
			7	0.21	1.43	0.157
			8	0.11	1.49	0.319
			9	0.25	1.59	0.575
Rwanda	1.04	1.20	2	0.48	1.06	0.091
			3	0.07	1.16	0.754
			5	0.96	1.18	0.890
			8	0.07	1.09	0.309
Senegal	1.00	1.19	1	0.81	1.18	0.937
			2	0.13	1.02	0.108
			6	0.53	1.18	0.925
			7	0.13	1.01	0.064
			9	0.28	1.18	0.965
Tanzania	1.25	1.47	1	0.37	1.36	0.469
			2	0.59	1.41	0.708
Tanzania	1.25	1.47	5	0.72	1.46	0.966
			7	0.26	1.38	0.583
Zambia	1.02	1.14	2	0.63	1.05	0.240
			5	0.55	1.09	0.551
			6	0.45	1.03	0.109
			7	0.16	1.09	0.567
Asia/Near East/North Africa						
Egypt	1.12	1.33	1	0.49	1.26	0.621
			2	0.29	1.21	0.385
			5	0.20	1.28	0.730
			6	0.80	1.24	0.555
			7	0.21	1.20	0.380
			8	0.12	1.30	0.807
			9	0.18	1.18	0.264
Indonesia	1.39	1.48	2	0.57	1.44	0.506
			5	0.40	1.45	0.610
Morocco	1.00	1.16	1	0.81	1.15	0.921
			2	0.10	1.06	0.359
			5	0.19	1.15	0.901
			6	0.80	1.10	0.593
			7	0.10	1.03	0.145
			8	0.05	1.12	0.739
			9	0.18	1.10	0.575
Pakistan	1.34	1.49	1	0.76	1.47	0.856
Latin America/Caribbean						
Northeast Brazil	1.29	1.89	2	0.63	1.44	0.211
			3	0.12	1.44	0.205
			5	0.41	1.79	0.800
			6	0.59	1.42	0.178
			7	0.19	1.61	0.478
			8	0.11	1.46	0.242
Colombia	1.20	1.38	1	0.05	1.26	0.322
			3	0.44	1.21	0.056
			6	0.66	1.27	0.361
			8	0.25	1.33	0.698
Dominican Republic	1.35	1.51	1	0.10	1.39	0.224
			2	0.56	1.50	0.879
			3	0.25	1.36	0.056
			6	0.75	1.41	0.343
			7	0.09	1.46	0.684
			8	0.20	1.37	0.125
Paraguay	1.05	1.25	1	0.04	1.16	0.535
			2	0.74	1.16	0.525
			3	0.18	1.17	0.565
			5	0.29	1.22	0.815
			6	0.71	1.24	0.952
			7	0.04	1.14	0.402
			9	0.23	1.21	0.748

Table B.16—Continued
Variable: Had diarrhea

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
Peru	1.07	1.25	1	0.10	1.15	0.431
			2	0.43	1.14	0.398
			3	0.34	1.16	0.477
			4	0.12	1.10	0.183
			5	0.12	1.22	0.849
			6	0.88	1.21	0.813
			7	0.09	1.13	0.342
			9	0.12	1.19	0.660

Table B.16—Continued
Variable: Immunized

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.43	2	0.51	1.24	0.412
			3	0.26	1.10	0.023
			6	0.69	1.31	0.613
			8	0.20	1.13	0.102
Burundi	1.06	1.32	1	0.74	1.20	0.496
			2	0.21	1.07	0.033
			6	0.92	1.28	0.837
Ghana	1.00	1.25	1	0.40	1.15	0.553
			2	0.53	1.10	0.385
			5	0.51	1.13	0.496
			8	0.07	1.02	0.072
			9	0.28	1.23	0.907
Kenya	1.27	1.34	6	0.86	1.30	0.336
Liberia	1.13	1.68	2	0.20	1.16	0.035
			6	1.00	1.68	1.000
			7	0.17	1.13	0.002
Nigeria (Ondo)	1.00	1.14	2	0.24	1.07	0.466
Senegal	1.00	1.21	1	0.77	1.07	0.328
			2	0.14	1.01	0.026
			3	0.09	1.13	0.589
			8	0.06	1.09	0.419
Sudan	1.00	1.12	1	0.58	1.12	0.973
			3	0.14	1.01	0.048
			6	0.92	1.11	0.929
Uganda	1.11	1.19	3	0.12	1.18	0.934
			9	0.11	1.12	0.144
Zimbabwe	1.00	1.06	1	0.13	1.04	0.655
			5	0.34	1.02	0.366
			7	0.12	1.04	0.740
			8	0.22	1.06	0.965
			9	0.25	1.06	0.983
Asia/Near East/North Africa						
Egypt	1.03	1.26	3	0.13	1.19	0.685
			4	0.05	1.04	0.058
			8	0.11	1.10	0.276
Morocco	1.00	1.65	1	0.83	1.62	0.960
			2	0.10	1.06	0.066
			6	0.93	1.63	0.975
			7	0.10	1.10	0.122
Sri Lanka	1.05	1.10	1	0.13	1.09	0.808
			3	0.35	1.08	0.467
			4	0.22	1.09	0.827
			8	0.19	1.05	0.002
Latin America/Caribbean						
Bolivia	1.21	1.12	2	0.40	1.20	0.096
			3	0.36	1.20	0.129
Bolivia	1.21	1.12	9	0.22	1.21	0.029
Brazil	1.06	1.22	2	0.66	1.08	0.147
			3	0.20	1.09	0.206
			5	0.44	1.10	0.242
			6	0.56	1.20	0.900
			9	0.28	1.08	0.117
Colombia	1.03	1.18	1	0.06	1.11	0.514
			2	0.49	1.10	0.435
			4	0.05	1.05	0.171
			7	0.06	1.12	0.628
El Salvador	1.03	1.05	3	0.15	1.04	0.476
			6	1.00	1.05	1.000
Guatemala	1.00	1.21	3	0.13	1.02	0.088
			6	0.80	1.15	0.684
			7	0.24	1.16	0.729
			8	0.12	1.05	0.217
Peru	1.00	1.16	7	0.10	1.02	0.137
			9	0.28	1.08	0.466
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.30	1	0.83	1.23	0.642
			3	0.05	1.23	0.637
			5	0.49	1.29	0.945
			6	0.51	1.29	0.989
			9	0.28	1.28	0.939
Cameroon	1.08	1.65	2	0.39	1.42	0.542
			3	0.31	1.51	0.716
			5	0.56	1.44	0.584
			6	0.44	1.48	0.643
			7	0.19	1.49	0.679
			8	0.20	1.23	0.215
			9	0.28	1.18	0.137
Madagascar	1.06	1.54	1	0.16	1.34	0.534
			2	0.57	1.27	0.396
			3	0.25	1.43	0.741
			5	0.78	1.43	0.735
			6	0.22	1.41	0.687
			7	0.14	1.11	0.092
			8	0.20	1.31	0.470
			9	0.20	1.28	0.413
Namibia	1.03	1.11	2	0.53	1.07	0.544
			5	0.34	1.05	0.268
			9	0.26	1.10	0.813
Niger	1.12	1.27	1	0.84	1.20	0.561
			2	0.11	1.19	0.463
			6	0.61	1.17	0.367
			7	0.11	1.12	0.047
Nigeria	1.36	1.60	2	0.25	1.45	0.335

Table B.16—Continued
Variable: Immunized

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
Nigeria	1.36	1.60	6	0.33	1.38	0.073
			7	0.20	1.41	0.189
			9	0.25	1.51	0.579
Rwanda	1.04	1.34	1	0.42	1.16	0.356
			2	0.50	1.17	0.403
			3	0.08	1.17	0.386
			5	0.96	1.33	0.969
			8	0.08	1.07	0.089
Senegal	1.00	1.37	1	0.81	1.37	0.994
			2	0.14	1.06	0.145
			5	0.47	1.24	0.615
			6	0.53	1.16	0.389
			7	0.14	1.07	0.157
			9	0.28	1.00	0.002
Tanzania	1.25	1.50	1	0.37	1.38	0.500
			2	0.60	1.48	0.917
			5	0.72	1.43	0.707
			6	0.28	1.30	0.173
			7	0.26	1.28	0.097
Zambia	1.02	1.24	1	0.18	1.15	0.550
			2	0.63	1.17	0.658
			3	0.18	1.05	0.123
			5	0.52	1.21	0.836
			6	0.48	1.08	0.270
			7	0.16	1.11	0.372
			8	0.16	1.10	0.327
			9	0.28	1.06	0.161
Asia/Near East/North Africa						
Egypt	1.12	1.35	1	0.48	1.34	0.931
			4	0.05	1.14	0.071
			6	0.81	1.25	0.560
			7	0.21	1.16	0.149
			9	0.18	1.29	0.736
Jordan	1.08	1.25	1	0.20	1.18	0.569
			2	0.21	1.12	0.208
			3	0.46	1.24	0.939
			6	0.90	1.20	0.692
			7	0.12	1.08	0.024
			8	0.16	1.13	0.280
Morocco	1.00	1.97	5	0.19	1.56	0.496
			6	0.81	1.75	0.721
			7	0.12	1.27	0.210
			9	0.17	1.32	0.262
Latin America/Caribbean						
Northeast Brazil	1.29	1.46	1	0.22	1.38	0.499
			6	0.63	1.31	0.090
			9	0.26	1.38	0.505
Colombia	1.20	1.28	3	0.48	1.24	0.468
Colombia	1.20	1.28	8	0.25	1.21	0.149
Dominican Republic	1.35	1.38	6	0.76	1.35	0.099
Paraguay	1.05	1.07	6	0.72	1.07	0.916
Peru	1.07	1.19	1	0.08	1.12	0.397
			3	0.35	1.12	0.389
			6	0.89	1.15	0.621
			7	0.08	1.09	0.140
			8	0.22	1.18	0.866

Table B.16—Continued
Variable: Weight for height

Country	Total sample		Subclass			
	Dw	Dt	s	Ms	Ds	D2
DHS-I						
Sub-Saharan Africa						
Burundi	1.06	1.13	1	0.74	1.11	0.744
			6	0.92	1.12	0.900
Mali	1.10	1.27	1	0.80	1.24	0.843
			6	0.75	1.26	0.987
Nigeria (Ondo)	1.00	1.12	2	0.24	1.01	0.082
			3	0.33	1.02	0.165
			4	0.06	1.03	0.223
			5	0.50	1.08	0.687
			6	0.50	1.07	0.608
			8	0.16	1.00	0.008
			9	0.28	1.04	0.316
Togo	1.00	1.47	2	0.29	1.07	0.134
			5	0.70	1.35	0.725
			6	0.29	1.30	0.610
			9	0.24	1.16	0.299
Asia/Near East/North Africa						
Morocco	1.00	1.40	1	0.83	1.38	0.925
			6	0.93	1.40	0.988
Sri Lanka	1.05	1.16	1	0.13	1.14	0.779
			2	0.30	1.13	0.732
			6	0.81	1.13	0.741
			8	0.19	1.07	0.134
Thailand	1.21	1.45	2	0.74	1.34	0.498
			5	0.63	1.38	0.665
			6	0.37	1.43	0.894
			9	0.26	1.37	0.627

Table B.16—Continued
Variable: IMR 1-4 years

Country	Total sample Dw	Total sample Dt	Subclass s	Subclass Ms	Subclass Ds	Subclass D2
DHS-I						
Sub-Saharan Africa						
Botswana	1.09	1.19	5	0.31	1.11	0.231
			7	0.17	1.13	0.369
			9	0.24	1.12	0.251
Liberia	1.13	1.12	2	0.20	1.13	0.768
			6	1.00	1.12	1.000
Nigeria (Ondo)	1.00	1.10	1	0.37	1.07	0.685
			8	0.16	1.06	0.568
Sudan	1.00	1.18	2	0.26	1.09	0.466
			6	0.92	1.15	0.835
			7	0.21	1.13	0.704
Zimbabwe	1.00	1.10	1	0.13	1.06	0.619
			6	0.66	1.04	0.418
Asia/Near East/North Africa						
Egypt	1.03	1.11	6	0.87	1.07	0.468
			7	0.22	1.10	0.855
Indonesia	1.20	1.72	1	0.22	1.24	0.062
			2	0.57	1.39	0.316
			3	0.19	1.23	0.046
			5	0.48	1.49	0.511
			6	0.52	1.53	0.593
			7	0.18	1.25	0.078
			8	0.16	1.30	0.169
			9	0.28	1.27	0.111
Thailand	1.21	1.40	1	0.09	1.24	0.163
			7	0.09	1.28	0.355
			9	0.26	1.31	0.515
Latin America/Caribbean						
Bolivia	1.21	1.35	1	0.15	1.22	0.065
			2	0.40	1.32	0.803
			7	0.13	1.28	0.470
Brazil	1.06	1.10	1	0.08	1.08	0.600
Dominican Republic	1.16	1.13	5	0.20	1.13	0.945
Guatemala	1.00	1.09	3	0.13	1.02	0.198
			6	0.80	1.03	0.298
			7	0.24	1.06	0.684
			8	0.12	1.07	0.777
Mexico	1.43	1.23	1	0.09	1.28	0.789
			5	0.35	1.29	0.725
			6	0.65	1.39	0.191
			7	0.08	1.25	0.919
Peru	1.00	1.10	6	0.56	1.07	0.726
			7	0.10	1.03	0.336
DHS-II						
Sub-Saharan Africa						
Burkina Faso	1.10	1.15	9	0.28	1.14	0.751
Cameroon	1.08	1.09	5	0.60	1.09	0.696
Madagascar	1.06	1.14	2	0.55	1.09	0.359
Namibia	1.03	1.06	5	0.33	1.05	0.616
Niger	1.12	1.29	1	0.86	1.25	0.752
			6	0.57	1.17	0.296
			9	0.28	1.28	0.893
Nigeria	1.36	1.33	8	0.10	1.34	0.960
Tanzania	1.25	1.61	1	0.39	1.36	0.272
			2	0.58	1.40	0.378
			5	0.72	1.41	0.407
			6	0.28	1.56	0.821
			9	0.23	1.35	0.254
Zambia	1.02	1.06	5	0.56	1.04	0.619
Asia/Near East/North Africa						
Indonesia	1.39	1.52	2	0.59	1.50	0.904
			5	0.42	1.40	0.110
			9	0.28	1.43	0.297
Jordan	1.08	1.13	2	0.22	1.10	0.407
			8	0.17	1.09	0.171
Morocco	1.00	1.14	1	0.82	1.05	0.385
			5	0.20	1.01	0.063
			6	0.80	1.02	0.105
			7	0.10	1.12	0.852
Latin America/Caribbean						
Northeast Brazil	1.29	1.60	5	0.44	1.46	0.522
Dominican Republic	1.35	1.29	6	0.74	1.34	0.246

Note: The objective of Table B.16 is to explore the relationship between Ms and D2, or between subclass and total sample defts in s

(1) The variables under study are:

Variables with woman as the unit of analysis:

- Using modern method
- Age at marriage
- Ideal family size
- Births in last 5 years
- Children ever born

Variables with child as the unit of analysis:

- Mother received tetanus
- Diarrhea
- Immunized
- Weight for height
- IMR 1-4 years

(2) s is the subclass identifier (4 levels of education, 2 working statuses, and differences between subclasses)

1 no education
2 primary incompleted
3 primary completed
4 secondary or higher
5 working
6 not working
7 difference of subclass 1 and subclass 2
8 difference of subclass 2 and subclass 3
9 difference of subclass 5 and subclass 6

(3) Dt is deft for the total sample.
Ds is deft for the subclass.
Dw is the effect of sample weights (Kish, 1965).

(4) Ms is the subclass size as a proportion of the total sample.
For the differences of two subclasses:
effective Ms = 0.57*HM where HM is the harmonic mean of Ms for the two subclasses

(5) D2: (Ds2-Dw2) / (Dt2-Dw2).

(6) The results are based on a large number of computations, but excluding the following cases:

a. variables not defined or available in the country;
b. estimated proportion being close to 0 or 1.0;
c. extremely small size of the subclass involved (e.g., subclass n less than the number of sample clusters);
d. a few cases where the computations gave implausible results; and
e. cases not included in the computations for other reasons.

(7) The results are ordered by variable, country (separately for DHS-I and DHS-II and by region), and subclass.

Table B.17 Analysis of defts for subclass differences, Demographic and Health Surveys I and II

Variable: Using modern method

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Botswana	1.19	478	1.36	853	1.01
Brazil	1.04	376	1.25	2,422	0.91
Northeast Brazil	1.21	748	1.16	2,059	0.85
Burkina Faso	0.95	4,052	1.02	612	1.03
Colombia 1	1.03	220	1.31	1,665	0.85
Colombia 2	1.35	189	1.60	1,965	0.95
Dominican Rep. 1	1.24	354	1.15	3,061	1.00
Dominican Rep. 2	1.53	384	1.63	2,551	0.93
Ecuador	1.13	298	1.10	1,611	0.99
Egypt 1	1.92	4,010	1.40	2,667	0.78
Egypt 2	1.48	4,228	1.42	2,889	0.89
El Salvador	1.81	734	1.00	1,933	1.01
Ghana	1.16	1,467	1.05	1,511	0.92
Guatemala	1.07	1,565	1.32	1,507	0.92
Indonesia 1	1.95	2,293	1.91	6,276	0.83
Indonesia 2	1.83	3,963	1.83	12,043	0.87
Jordan	1.21	1,544	1.26	1,321	0.89
Kenya	1.69	1,438	1.41	2,420	1.02
Liberia	1.35	2,710	1.17	516	0.89
Madagascar	0.74	696	1.09	1,832	0.96
Mexico	1.29	662	1.82	3,123	0.88
Morocco 1	1.97	4,507	1.01	534	0.70
Morocco 2	2.03	3,932	0.83	644	0.74
Namibia	0.89	527	1.41	1,071	0.99
Niger	1.10	4,578	0.80	467	0.86
Nigeria	1.14	4,198	1.04	1,537	0.94
Pakistan	1.38	4,887	1.17	574	0.91
Paraguay	1.02	129	1.24	2,560	0.86
Peru 1	1.12	446	1.15	1,299	0.71
Peru 2	1.09	840	1.21	3,657	0.99
Rwanda	1.36	1,616	1.28	1,784	0.79
Senegal 2	1.01	3,776	1.12	507	1.06
Sri Lanka	1.25	653	1.15	1,620	0.99
Tanzania	1.04	2,593	1.24	3,316	1.04
Thailand	1.59	536	1.47	4,576	1.00
Tunisia	1.76	2,271	1.24	1,251	0.89
Zambia	1.04	903	1.21	2,761	0.91
Zimbabwe	1.08	489	1.08	1,601	0.99

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.32	2,223	1.12	1,311	0.96
Botswana	1.36	853	0.99	331	0.89
Brazil	1.25	2,422	0.90	468	0.85
Northeast Brazil	1.16	2,059	1.11	487	1.02
Burkina Faso	1.02	612	1.17	387	1.03
Cameroon	0.99	930	0.98	648	1.02
Colombia 1	1.31	1,665	1.04	876	0.99
Colombia 2	1.60	1,965	1.34	1,998	0.97
Dominican Rep. 1	1.15	3,061	1.17	648	1.00
Dominican Rep. 2	1.63	2,551	1.44	922	0.91
Ecuador	1.10	1,611	1.17	823	0.93
Egypt 1	1.40	2,667	1.20	1,116	0.86
Egypt 2	1.42	2,889	1.12	1,584	0.91
El Salvador	1.00	1,933	1.40	366	1.05
Ghana	1.05	1,511	0.89	156	0.93
Guatemala	1.32	1,507	1.04	274	0.86
Indonesia 1	1.91	6,276	1.24	2,105	0.88
Indonesia 2	1.83	12,043	1.51	4,726	0.89
Jordan	1.26	1,321	1.02	2,659	1.02
Kenya	1.41	2,420	1.20	895	0.98
Liberia	1.17	516	1.50	343	1.04
Madagascar	1.09	1,832	1.22	983	1.04
Mexico	1.82	3,123	1.33	1,392	0.92
Morocco 1	1.01	534	0.94	342	0.98
Morocco 2	0.83	644	0.89	465	1.05
Namibia	1.41	1,071	1.17	636	0.80
Niger	0.80	467	1.07	174	1.12
Nigeria	1.04	1,537	1.15	837	1.06
Nigeria (Ondo)	1.26	825	1.00	394	0.88
Pakistan	1.17	574	1.38	820	0.92
Paraguay	1.24	2,560	1.10	758	0.94
Peru 1	1.15	1,299	1.16	938	0.96
Peru 2	1.21	3,657	1.10	3,167	1.03
Rwanda	1.28	1,784	1.39	281	1.00
Senegal 1	1.07	321	0.73	139	0.76
Senegal 2	1.12	507	0.99	205	0.92
Sri Lanka	1.15	1,620	1.11	1,936	0.99
Tanzania	1.24	3,316	1.64	168	1.12
Thailand	1.47	4,576	1.03	716	0.85
Togo	1.06	593	1.05	195	0.96
Trinidad & Tobago	1.07	1,396	1.13	1,144	0.89
Tunisia	1.24	1,251	0.82	420	0.82
Uganda	0.81	1,523	1.11	277	1.14
Zambia	1.21	2,761	1.01	707	0.90
Zimbabwe	1.08	1,601	1.01	533	0.95

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.31	1,097	1.22	3,798	1.04
Botswana	1.23	511	1.38	1,217	1.00
Brazil	1.15	1,271	1.18	2,194	0.95
Northeast Brazil	1.30	1,542	1.30	1,882	0.94
Burkina Faso	0.93	2,508	0.91	2,587	0.91
Cameroon	1.07	1,647	0.88	1,090	0.94
Colombia 1	1.01	491	1.23	2,356	0.91
Colombia 2	1.51	1,651	1.60	2,889	1.00
Dominican Rep. 1	1.12	795	1.24	3,538	0.96
Dominican Rep. 2	1.04	1,242	1.65	2,984	0.80
Ecuador	1.15	669	1.39	2,288	0.92
Egypt 1	1.33	1,007	2.08	7,208	0.72
Egypt 2	1.17	1,882	1.62	7,266	0.78
Ghana	1.04	1,779	1.14	1,377	0.93
Guatemala	1.02	489	1.42	2,888	0.81
Indonesia 1	1.68	5,125	1.82	5,778	0.79
Indonesia 2	1.83	9,395	1.84	11,671	0.88
Jordan	1.03	642	1.24	5,538	0.86
Kenya	1.09	521	1.50	4,231	0.86
Madagascar	1.03	2,816	1.20	807	0.99
Mexico	2.09	1,455	2.01	3,969	0.97
Morocco 1	1.20	328	1.81	5,113	0.81
Morocco 2	1.54	1,003	1.61	4,112	0.86
Namibia	1.33	825	1.56	1,465	0.85
Nigeria	1.73	4,420	1.12	2,276	1.10
Pakistan	1.24	993	1.39	5,380	1.01
Paraguay	1.22	1,250	1.18	2,383	1.00
Peru 1	1.06	1,320	1.18	1,572	0.96
Peru 2	1.16	963	1.12	8,170	1.01
Rwanda	1.58	3,524	1.40	174	0.94
Senegal 2	1.13	2,156	0.93	2,345	0.90
Sri Lanka	1.46	1,026	1.16	4,417	1.08
Sudan	1.09	389	1.24	5,007	0.93
Tanzania	1.52	4,297	1.32	1,783	1.00
Thailand	1.44	3,863	1.51	2,356	0.94
Trinidad & Tobago	0.93	681	1.19	1,932	0.91
Tunisia	0.93	419	1.46	3,593	0.81
Zambia	1.19	2,361	1.19	2,097	0.83
Zimbabwe	1.20	908	1.27	1,734	1.02

Table B.17—Continued

Variable: Age at marriage

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.25	1,061	1.37	2,300	1.03
Botswana	1.11	586	1.17	1,006	0.88
Brazil	1.04	410	1.20	2,532	0.91
Northeast Brazil	1.07	868	1.26	2,228	1.00
Burkina Faso	1.70	3,748	1.02	569	0.77
Burundi	1.23	2,192	1.08	516	0.86
Cameroon	1.87	1,071	1.13	910	0.94
Colombia 1	1.27	255	1.35	1,826	0.91
Colombia 2	1.34	231	1.68	2,293	0.90
Dominican Rep. 1	1.31	388	1.33	3,436	0.96
Dominican Rep. 2	1.60	448	1.43	2,853	0.94
Ecuador	1.20	313	1.21	1,639	0.97
Egypt 1	1.26	4,184	1.72	2,749	0.96
Egypt 2	1.33	4,410	1.37	2,951	0.94
El Salvador	0.89	863	0.85	2,136	1.17
Ghana	1.16	1,577	0.89	1,594	0.92
Guatemala	1.09	1,603	1.05	1,525	0.95
Indonesia 1	1.81	2,585	1.89	6,371	0.83
Indonesia 2	1.76	4,407	1.46	12,277	1.03
Jordan	1.06	1,623	1.38	1,341	0.91
Kenya	1.44	1,553	1.62	2,426	0.91
Liberia	1.39	2,757	1.20	471	0.98
Madagascar	1.10	829	1.41	2,087	0.90
Mali	1.52	2,189	1.01	385	0.84
Mexico	1.01	719	1.49	3,252	0.90
Morocco 1	1.40	4,678	1.12	563	0.92
Morocco 2	1.31	4,119	0.87	678	0.86
Namibia	1.29	612	1.11	1,206	0.83
Niger	1.46	4,229	1.24	423	0.95
Nigeria	3.31	3,961	1.40	1,497	0.68
Nigeria (Ondo)	1.49	1,496	1.35	817	0.85
Pakistan	1.52	4,704	1.70	552	0.98
Paraguay	1.18	136	1.26	2,595	0.96
Peru 1	1.24	487	0.91	1,378	1.03
Peru 2	1.12	914	1.16	3,883	0.97
Rwanda	1.47	1,890	1.48	2,010	0.76
Senegal 1	1.07	2,649	1.24	340	1.08
Senegal 2	1.19	3,530	1.04	502	0.96
Sri Lanka	1.25	713	1.22	1,738	0.96
Sudan	1.25	3,260	1.11	1,397	0.96
Tanzania	1.48	2,716	1.27	3,353	1.02
Thailand	1.38	580	1.47	4,734	0.96
Togo	0.97	1,646	1.22	569	1.06
Tunisia	1.44	2,349	1.20	1,267	0.94
Uganda	1.11	1,364	1.02	1,575	0.91
Zambia	1.11	964	1.08	2,803	0.98
Zimbabwe	1.10	526	1.10	1,781	1.00

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.37	2,300	1.13	1,394	0.95
Botswana	1.17	1,006	1.44	357	0.92
Brazil	1.20	2,532	1.04	511	1.01
Northeast Brazil	1.26	2,228	1.15	537	1.02
Burkina Faso	1.02	569	1.15	346	1.05
Burundi	1.08	516	1.14	131	1.04
Cameroon	1.13	910	1.03	616	1.06
Colombia 1	1.35	1,826	1.20	979	0.80
Colombia 2	1.68	2,293	1.62	2,321	1.05
Dominican Rep. 1	1.33	3,436	1.24	767	0.97
Dominican Rep. 2	1.43	2,853	1.63	1,097	1.00
Ecuador	1.21	1,639	1.01	850	0.99
Egypt 1	1.72	2,749	1.28	1,123	0.77
Egypt 2	1.37	2,951	1.61	1,608	0.98
El Salvador	0.85	2,136	1.28	413	1.16
Ghana	0.89	1,594	0.96	178	1.01
Guatemala	1.05	1,525	1.04	303	1.02
Indonesia 1	1.89	6,371	1.65	2,129	0.96
Indonesia 2	1.46	12,277	1.61	4,758	0.97
Jordan	1.38	1,341	1.11	2,475	0.95
Kenya	1.62	2,426	1.42	930	0.81
Liberia	1.20	471	1.27	402	0.99
Madagascar	1.41	2,087	1.11	1,061	0.87
Mali	1.01	385	0.84	52	0.91
Mexico	1.49	3,252	1.31	1,431	1.05
Morocco 1	1.12	563	1.15	366	0.99
Morocco 2	0.87	678	0.91	490	1.04
Namibia	1.11	1,206	1.06	715	0.86
Niger	1.24	423	1.10	186	0.99
Nigeria	1.40	1,497	1.79	833	0.94
Nigeria (Ondo)	1.35	817	0.98	354	0.88
Pakistan	1.70	552	1.38	798	0.99
Paraguay	1.26	2,595	1.17	802	0.87
Peru 1	0.91	1,378	1.25	990	0.93
Peru 2	1.16	3,883	1.23	3,341	1.00
Rwanda	1.48	2,010	1.15	317	0.94
Senegal 1	1.24	340	1.11	159	1.08
Senegal 2	1.04	502	0.93	247	0.94
Sri Lanka	1.22	1,738	1.19	1,989	0.99
Sudan	1.11	1,397	0.99	752	0.98
Tanzania	1.27	3,353	1.18	183	0.94
Thailand	1.47	4,734	1.21	739	0.96
Togo	1.22	569	1.20	206	0.88
Trinidad & Tobago	1.04	1,524	0.87	1,150	0.98
Tunisia	1.20	1,267	1.08	433	0.86
Uganda	1.02	1,575	1.25	309	1.00
Zambia	1.08	2,803	1.00	824	1.05
Zimbabwe	1.10	1,781	1.52	529	0.99

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.39	1,404	1.28	3,800	1.01
Botswana	1.24	625	1.29	1,364	0.98
Brazil	1.20	1,511	1.15	2,169	0.95
Northeast Brazil	1.23	1,895	1.11	1,895	0.96
Burkina Faso	1.38	2,430	1.49	2,280	0.85
Burundi	1.20	194	1.53	2,667	0.88
Cameroon	1.67	1,684	2.10	962	0.91
Colombia 1	1.08	709	1.53	2,455	0.76
Colombia 2	1.49	2,245	1.22	3,060	0.97
Dominican Rep. 1	1.23	1,096	1.37	3,820	0.91
Dominican Rep. 2	1.40	1,624	1.69	3,238	0.84
Ecuador	1.12	773	1.18	2,278	0.97
Egypt 1	1.71	1,120	2.03	7,369	0.79
Egypt 2	1.73	2,064	1.66	7,358	0.89
El Salvador	1.21	1,971	1.43	1,407	1.03
Guatemala	1.07	591	1.06	2,877	0.98
Indonesia 1	2.14	5,559	2.07	5,762	0.82
Indonesia 2	1.75	10,210	1.73	11,579	0.83
Jordan	1.20	703	1.23	5,401	0.98
Kenya	1.31	613	1.51	4,271	0.89
Madagascar	1.50	3,283	1.23	815	0.94
Mali	1.17	701	1.28	1,926	0.84
Mexico	1.49	1,803	1.69	3,857	0.93
Morocco 1	1.47	430	1.40	5,238	0.99
Morocco 2	1.36	1,142	1.26	4,225	1.04
Namibia	1.35	979	1.31	1,616	0.90
Niger	1.32	2,247	1.39	2,602	0.94
Nigeria	2.07	4,472	2.37	1,949	0.94
Nigeria (Ondo)	1.70	1,952	1.83	880	0.80
Pakistan	1.44	985	1.51	5,164	0.93
Paraguay	1.29	1,436	1.24	2,296	0.91
Peru 1	1.12	1,528	0.90	1,562	0.92
Peru 2	1.17	981	1.24	8,802	0.94
Rwanda	1.76	4,043	1.16	194	0.81
Senegal 1	1.15	921	1.04	2,232	0.88
Senegal 2	1.16	2,165	1.20	2,127	0.95
Sri Lanka	1.62	1,106	1.36	4,610	1.00
Sudan	1.05	463	1.19	5,013	0.91
Tanzania	1.21	4,490	1.29	1,768	0.92
Thailand	1.60	4,118	1.28	2,326	0.86
Togo	1.17	1,820	1.42	596	1.06
Trinidad & Tobago	1.01	767	1.09	1,979	0.88
Tunisia	1.27	455	1.33	3,664	0.95
Uganda	1.56	401	1.22	2,856	1.10
Zambia	1.25	2,663	1.13	2,029	1.03
Zimbabwe	1.28	1,089	0.92	1,766	0.95

Table B.17—Continued

Variable: Ideal family size

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.28	1,142	1.42	3,093	0.96
Botswana	1.45	846	1.26	2,150	1.02
Brazil	1.23	448	1.26	3,821	0.98
Northeast Brazil	1.65	991	1.74	3,807	0.83
Burkina Faso	1.69	3,413	1.35	800	0.96
Burundi	1.47	2,605	1.29	771	0.97
Cameroon	1.54	1,076	1.50	1,164	0.91
Colombia 1	0.93	294	1.15	2,525	0.86
Colombia 2	1.56	266	1.50	3,132	0.98
Dominican Rep. 1	1.20	469	1.13	4,928	1.02
Dominican Rep. 2	1.18	483	1.16	3,912	1.02
Ecuador	0.92	335	1.57	2,143	0.78
Egypt 1	1.52	3,364	1.24	2,547	1.00
Egypt 2	1.12	3,345	1.18	2,636	0.88
El Salvador	1.08	949	1.84	3,153	0.66
Ghana	1.93	1,397	1.32	2,178	1.10
Guatemala	1.56	1,452	1.18	2,128	0.93
Indonesia 1	1.94	2,116	2.36	6,093	0.81
Indonesia 2	1.61	3,257	1.63	10,958	0.98
Jordan	1.36	755	1.18	871	1.00
Kenya	2.12	1,537	1.77	3,705	0.97
Liberia	1.29	2,361	1.34	821	0.99
Madagascar	1.27	949	1.69	2,845	0.83
Mali	1.44	1,814	1.41	486	0.96
Mexico	1.30	685	1.53	4,109	0.90
Morocco 1	1.78	3,433	1.19	539	0.86
Morocco 2	2.07	4,085	1.09	729	0.90
Namibia	1.23	699	1.59	2,411	0.86
Niger	1.76	4,510	1.35	645	0.73
Nigeria	1.51	1,020	1.41	1,120	0.83
Nigeria (Ondo)	1.27	707	1.11	570	0.89
Pakistan	1.39	1,568	1.41	328	0.96
Paraguay	1.22	127	1.41	3,251	0.92
Peru 1	1.45	477	1.05	1,837	1.00
Peru 2	1.09	930	1.21	4,871	0.98
Rwanda	1.49	2,287	1.23	3,442	1.03
Senegal 1	1.54	2,966	1.21	545	0.88
Senegal 2	1.61	3,669	1.16	992	0.90
Sri Lanka	1.19	655	1.18	1,611	0.91
Sudan	1.17	1,325	1.11	1,006	0.90
Tanzania	1.20	2,528	1.71	5,002	0.85
Thailand	2.65	590	1.30	4,954	1.31
Togo	1.85	1,941	1.25	981	0.90
Tunisia	1.96	2,138	1.42	1,254	0.83
Uganda	1.62	1,428	1.30	2,373	1.01
Zambia	1.25	1,045	1.18	4,007	1.02
Zimbabwe	1.11	458	1.26	2,169	0.95

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.42	3,093	1.29	2,786	0.95
Botswana	1.26	2,150	1.10	1,134	0.88
Brazil	1.26	3,821	1.23	1,172	0.95
Northeast Brazil	1.74	3,807	1.69	1,048	0.94
Burkina Faso	1.35	800	1.13	700	0.98
Burundi	1.29	771	1.35	196	0.93
Cameroon	1.50	1,164	1.13	1,215	1.09
Colombia 1	1.15	2,525	1.21	2,138	0.93
Colombia 2	1.50	3,132	1.56	4,308	0.93
Dominican Rep. 1	1.13	4,928	1.36	1,712	1.03
Dominican Rep. 2	1.16	3,912	1.46	2,037	1.03
Ecuador	1.57	2,143	1.06	1,660	1.09
Egypt 1	1.24	2,547	1.05	1,100	0.76
Egypt 2	1.18	2,636	1.17	1,554	0.97
El Salvador	1.84	3,153	1.42	780	1.05
Ghana	1.32	2,178	1.00	289	0.91
Guatemala	1.18	2,128	1.10	675	0.97
Indonesia 1	2.36	6,093	1.33	2,090	0.90
Indonesia 2	1.63	10,958	1.35	4,676	0.98
Jordan	1.18	871	1.14	2,134	0.98
Kenya	1.77	3,705	1.69	1,558	0.75
Liberia	1.34	821	1.13	722	1.01
Madagascar	1.69	2,845	1.66	1,899	0.97
Mali	1.41	486	1.05	52	1.00
Mexico	1.53	4,109	1.61	3,459	0.89
Morocco 1	1.19	539	1.10	364	1.06
Morocco 2	1.09	729	0.94	511	0.99
Namibia	1.59	2,411	1.52	1,796	1.00
Niger	1.35	645	1.10	439	1.09
Nigeria	1.41	1,120	1.30	1,425	0.94
Nigeria (Ondo)	1.11	570	1.62	1,075	0.81
Pakistan	1.41	328	1.27	636	1.10
Paraguay	1.41	3,251	1.10	1,521	1.01
Peru 1	1.05	1,837	0.97	2,077	0.98
Peru 2	1.21	4,871	1.18	6,458	0.99
Rwanda	1.23	3,442	1.20	684	0.95
Senegal 1	1.21	545	1.04	374	0.93
Senegal 2	1.16	992	1.30	564	0.82
Sri Lanka	1.18	1,611	1.11	1,931	0.94
Sudan	1.11	1,006	1.02	691	0.96
Tanzania	1.71	5,002	1.62	412	0.81
Thailand	1.30	4,954	1.15	770	0.93
Togo	1.25	981	1.24	416	0.92
Trinidad & Tobago	1.01	1,689	1.04	1,947	0.97
Tunisia	1.42	1,254	1.19	432	0.86
Uganda	1.30	2,373	1.26	584	1.02
Zambia	1.18	4,007	1.07	1,468	0.90
Zimbabwe	1.26	2,169	1.21	1,228	1.03

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.34	2,066	1.44	5,633	0.99
Botswana	1.15	1,303	1.40	2,906	0.80
Brazil	1.22	2,559	1.15	3,259	0.82
Northeast Brazil	1.89	2,905	1.76	3,189	0.73
Burkina Faso	1.37	2,298	1.79	2,670	0.76
Burundi	1.49	296	1.75	3,296	0.85
Cameroon	1.85	1,822	1.75	1,698	0.97
Colombia 1	1.07	1,287	1.35	3,929	0.99
Colombia 2	1.40	3,479	1.53	5,086	0.75
Dominican Rep. 1	1.10	1,509	1.12	6,132	0.93
Dominican Rep. 2	1.14	2,151	1.28	5,002	1.01
Ecuador	1.11	1,152	1.57	3,418	0.87
Egypt 1	1.06	1,054	1.64	6,368	0.87
Egypt 2	1.30	1,746	1.29	6,213	0.97
Ghana	1.65	1,998	2.42	1,903	0.82
Guatemala	1.03	917	1.47	3,410	0.93
Indonesia 1	1.82	5,100	2.08	5,424	0.86
Indonesia 2	1.66	8,710	1.42	10,521	0.95
Jordan	1.21	504	1.22	3,818	0.96
Kenya	1.26	914	2.47	5,849	0.82
Madagascar	1.97	4,386	1.82	1,499	0.92
Mali	1.20	636	1.44	1,716	0.83
Mexico	1.80	3,090	1.83	5,750	0.91
Morocco 1	1.50	376	1.53	4,016	0.95
Morocco 2	1.79	1,152	1.91	4,253	0.90
Namibia	1.49	1,561	1.42	3,419	0.87
Niger	1.55	2,363	1.82	3,246	0.82
Nigeria	1.85	2,267	1.77	1,485	0.85
Nigeria (Ondo)	1.26	1,188	2.38	1,368	0.91
Pakistan	1.21	397	1.45	2,226	0.86
Paraguay	1.12	2,103	1.46	3,104	0.95
Peru 1	1.00	2,126	1.30	2,712	0.78
Peru 2	1.14	1,322	1.15	14,234	0.97
Rwanda	1.50	5,786	1.36	650	0.97
Senegal 1	1.31	1,062	1.59	2,840	0.85
Senegal 2	1.57	2,323	1.55	2,933	0.94
Sri Lanka	1.33	1,079	1.41	4,352	1.02
Sudan	1.16	279	1.28	2,809	0.92
Tanzania	1.81	5,319	1.89	2,627	0.87
Thailand	1.62	4,234	2.02	2,491	0.87
Togo	1.67	2,352	1.45	981	0.78
Trinidad & Tobago	1.21	938	1.05	2,792	1.05
Tunisia	1.26	437	1.70	3,456	0.78
Uganda	1.20	513	1.71	3,877	0.85
Zambia	1.24	3,241	1.28	3,394	0.91
Zimbabwe	0.98	1,302	1.27	2,585	0.88

Table B.17—Continued

Variable: Births in last 5 years

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.48	1,216	1.22	3,196	1.04
Botswana	1.24	899	1.23	2,206	1.08
Brazil	1.05	466	1.32	3,871	0.92
Northeast Brazil	2.54	1,032	1.34	3,879	1.27
Burkina Faso	1.23	4,668	1.29	913	1.04
Cameroon	1.26	1,276	1.11	1,275	1.12
Colombia 1	1.24	311	1.57	2,597	0.89
Colombia 2	1.34	276	1.34	3,169	1.01
Dominican Rep. 1	1.05	469	1.43	4,932	0.87
Dominican Rep. 2	1.48	514	1.53	4,028	0.91
Ecuador	0.87	368	1.25	2,238	0.82
Egypt 1	1.24	4,429	1.22	2,885	0.92
Egypt 2	1.30	4,638	1.46	3,126	0.90
Ghana	1.24	1,783	1.12	2,369	1.05
Guatemala	1.24	1,979	1.07	2,428	0.93
Indonesia 1	2.05	2,629	1.71	6,772	0.91
Indonesia 2	1.39	4,479	1.47	12,985	0.90
Jordan	1.46	1,645	1.17	1,400	0.99
Kenya	1.24	1,702	1.36	3,826	0.90
Liberia	1.09	3,347	1.24	1,027	1.01
Madagascar	1.17	1,051	1.19	3,076	1.01
Mali	1.40	2,572	1.15	569	0.89
Mexico	1.19	813	1.58	4,352	0.92
Morocco 1	1.44	4,946	1.22	598	0.89
Morocco 2	1.45	5,866	1.16	1,561	0.99
Namibia	1.12	799	1.36	2,674	0.89
Niger	1.46	5,300	1.25	726	0.97
Nigeria	1.50	4,540	1.38	2,112	1.00
Nigeria (Ondo)	1.80	1,555	1.22	1,006	0.78
Pakistan	1.58	5,055	1.23	600	0.86
Paraguay	1.07	177	1.15	3,738	0.97
Peru 1	0.82	547	1.18	1,901	0.96
Peru 2	1.23	998	1.14	5,006	0.98
Rwanda	1.12	2,342	1.39	3,492	0.89
Senegal 1	1.14	3,409	0.96	598	0.87
Senegal 2	1.26	4,608	1.11	1,076	0.94
Sri Lanka	1.08	734	1.20	1,777	1.00
Sudan	1.22	3,425	1.02	1,543	0.89
Tanzania	1.31	3,255	1.47	5,542	1.03
Thailand	1.72	599	1.42	4,984	1.02
Togo	1.29	1,956	1.17	984	1.02
Tunisia	1.46	2,372	1.33	1,302	0.94
Uganda	1.13	1,631	1.09	2,495	1.03
Zambia	1.24	1,212	1.09	4,246	0.94
Zimbabwe	1.04	566	1.06	2,349	1.00

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.22	3,196	1.34	2,831	0.98
Botswana	1.23	2,206	1.22	1,144	1.07
Brazil	1.32	3,871	1.00	1,175	0.90
Northeast Brazil	1.34	3,879	1.62	1,056	1.06
Burkina Faso	1.29	913	1.35	716	0.85
Burundi	1.39	814	1.72	200	1.09
Cameroon	1.11	1,275	1.08	1,254	0.98
Colombia 1	1.57	2,597	1.26	2,154	0.92
Colombia 2	1.34	3,169	1.47	4,336	0.92
Dominican Rep. 1	1.43	4,932	1.32	1,712	0.94
Dominican Rep. 2	1.53	4,028	1.18	2,051	0.96
Ecuador	1.25	2,238	1.09	1,673	0.99
Egypt 1	1.22	2,885	1.26	1,160	1.00
Egypt 2	1.46	3,126	1.16	1,644	0.95
El Salvador	0.99	3,262	1.78	787	1.17
Ghana	1.12	2,369	1.02	296	0.86
Guatemala	1.07	2,428	1.03	681	0.94
Indonesia 1	1.71	6,772	1.09	2,232	0.89
Indonesia 2	1.47	12,985	1.43	4,979	0.90
Jordan	1.17	1,400	1.32	2,741	0.89
Kenya	1.36	3,826	1.45	1,587	0.87
Liberia	1.24	1,027	1.21	808	0.83
Madagascar	1.19	3,076	1.26	1,934	0.98
Mali	1.15	569	0.97	53	0.89
Mexico	1.58	4,352	1.73	3,504	0.90
Morocco 1	1.22	598	1.17	377	0.92
Morocco 2	1.16	1,561	0.95	1,629	0.98
Namibia	1.36	2,674	1.20	1,859	0.99
Niger	1.25	726	1.24	460	1.01
Nigeria	1.38	2,112	1.51	1,911	1.17
Nigeria (Ondo)	1.22	1,006	1.33	1,409	1.00
Pakistan	1.23	600	1.46	842	0.91
Paraguay	1.15	3,738	1.16	1,591	0.96
Peru 1	1.18	1,901	1.31	2,091	1.06
Peru 2	1.14	5,006	1.15	6,533	1.02
Rwanda	1.39	3,492	1.04	693	0.91
Senegal 1	0.96	598	1.23	383	1.10
Senegal 2	1.11	1,076	1.12	589	0.91
Sri Lanka	1.20	1,777	1.00	2,062	1.00
Sudan	1.02	1,543	1.04	821	0.96
Tanzania	1.47	5,542	1.46	424	0.97
Thailand	1.42	4,984	1.39	777	1.03
Togo	1.17	984	0.97	416	0.95
Trinidad & Tobago	1.08	1,725	1.10	1,972	0.90
Tunisia	1.33	1,302	1.05	440	0.93
Uganda	1.09	2,495	1.36	589	1.11
Zambia	1.09	4,246	1.20	1,486	0.99
Zimbabwe	1.06	2,349	1.26	1,249	0.95

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.27	2,106	1.37	5,817	0.91
Botswana	1.06	1,336	1.28	2,993	1.05
Brazil	1.21	2,591	1.19	3,301	0.89
Northeast Brazil	2.04	2,969	1.46	3,247	0.79
Burkina Faso	1.26	2,943	1.25	3,410	0.95
Burundi	1.20	312	1.26	3,646	0.95
Cameroon	0.95	2,045	1.23	1,826	0.96
Colombia 1	1.13	1,303	1.61	4,021	0.88
Colombia 2	1.47	3,511	1.55	5,131	1.06
Dominican Rep. 1	1.15	1,511	1.52	6,134	0.96
Dominican Rep. 2	1.48	2,213	1.43	5,106	0.86
Ecuador	1.16	1,175	1.24	3,538	0.93
Egypt 1	1.33	1,130	1.36	7,777	0.95
Egypt 2	1.34	2,095	1.30	7,769	0.91
Ghana	1.14	2,276	1.42	2,209	0.93
Guatemala	1.16	1,018	1.32	4,142	0.97
Indonesia 1	1.61	5,728	1.72	6,140	0.86
Indonesia 2	1.60	10,505	1.45	12,278	0.94
Jordan	1.17	708	1.40	5,752	0.92
Kenya	1.28	934	1.52	6,140	0.99
Madagascar	1.31	4,680	1.25	1,572	1.04
Mali	1.05	807	1.49	2,386	0.92
Mexico	2.00	3,243	1.59	6,016	1.00
Morocco 1	1.21	433	1.40	5,549	0.90
Morocco 2	1.79	2,138	1.38	7,109	0.97
Namibia	1.12	1,680	1.36	3,726	0.85
Niger	1.50	2,806	1.24	3,694	0.94
Nigeria	1.42	5,217	1.56	3,564	0.93
Nigeria (Ondo)	1.42	2,108	2.91	2,102	0.83
Pakistan	1.67	1,057	1.40	5,534	0.95
Paraguay	1.15	2,304	1.19	3,517	0.97
Peru 1	1.05	2,194	1.20	2,793	0.99
Peru 2	1.05	1,363	1.29	14,497	0.93
Rwanda	1.40	5,888	1.01	661	0.92
Senegal 1	1.06	1,168	1.30	3,239	0.96
Senegal 2	1.17	2,820	1.19	3,483	0.87
Sri Lanka	1.28	1,125	1.07	4,730	1.06
Sudan	1.23	471	1.18	5,385	0.96
Tanzania	1.35	6,178	1.44	3,048	0.90
Thailand	1.54	4,251	1.44	2,500	0.97
Togo	1.10	2,363	1.16	988	0.92
Trinidad & Tobago	1.13	952	1.22	2,838	0.89
Tunisia	1.18	457	1.42	3,727	0.85
Uganda	1.40	538	1.10	4,182	1.06
Zambia	1.15	3,437	1.25	3,622	0.89
Zimbabwe	1.09	1,410	1.01	2,788	0.93

Table B.17—Continued

Variable: Children ever born

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.06	1,216	1.18	3,196	0.94
Botswana	1.33	899	1.21	2,206	1.07
Brazil	1.00	466	1.23	3,871	0.95
Northeast Brazil	1.39	1,032	1.20	3,879	1.10
Burkina Faso	1.17	4,668	1.18	913	1.06
Burundi	1.06	2,924	1.25	814	1.15
Cameroon	1.38	1,276	1.09	1,275	1.06
Colombia 1	0.96	311	1.16	2,597	0.91
Colombia 2	1.61	276	1.60	3,169	0.89
Dominican Rep. 1	1.16	469	1.10	4,932	1.01
Dominican Rep. 2	1.42	514	1.21	4,028	1.08
Ecuador	1.09	368	1.11	2,238	1.01
Egypt 1	1.12	4,429	1.14	2,885	1.06
Egypt 2	1.13	4,638	1.28	3,126	1.02
El Salvador	1.18	1,000	0.91	3,262	0.89
Ghana	1.13	1,783	1.30	2,369	1.01
Guatemala	1.30	1,979	0.98	2,428	1.07
Indonesia 1	1.69	2,629	1.64	6,772	0.94
Indonesia 2	1.73	4,479	1.62	12,985	1.03
Jordan	1.11	1,645	1.22	1,400	0.86
Kenya	1.53	1,702	1.19	3,826	0.99
Liberia	1.28	3,347	1.19	1,027	0.96
Madagascar	1.19	1,051	0.90	3,076	1.14
Mali	1.14	2,572	1.23	569	1.06
Mexico	1.55	813	1.50	4,352	0.99
Morocco 1	1.20	4,946	1.06	598	0.88
Morocco 2	1.30	5,866	1.09	1,561	0.99
Namibia	1.41	799	1.26	2,674	1.02
Niger	1.39	5,300	1.12	726	0.90
Nigeria	2.25	4,540	1.70	2,112	0.91
Nigeria (Ondo)	1.74	1,555	1.29	1,006	0.86
Pakistan	1.53	5,055	1.47	600	0.93
Paraguay	1.00	177	1.08	3,738	0.94
Peru 1	0.92	547	0.71	1,901	1.06
Peru 2	1.13	998	1.19	5,006	0.97
Rwanda	1.18	2,342	1.24	3,492	1.03
Senegal 1	0.92	3,409	1.06	598	0.99
Senegal 2	1.11	4,608	1.09	1,076	1.04
Sri Lanka	1.20	734	1.00	1,777	1.07
Sudan	1.40	3,425	1.35	1,543	1.01
Tanzania	1.12	3,255	1.24	5,542	1.06
Thailand	1.30	599	1.23	4,984	0.98
Togo	1.18	1,956	1.12	984	0.95
Tunisia	1.31	2,372	1.20	1,302	0.95
Uganda	1.06	1,631	1.17	2,495	1.00
Zambia	1.17	1,212	1.07	4,246	1.01
Zimbabwe	1.19	566	1.18	2,349	1.07

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.18	3,196	1.42	2,831	0.95
Botswana	1.21	2,206	1.25	1,144	1.02
Brazil	1.23	3,871	1.04	1,175	0.97
Northeast Brazil	1.20	3,879	1.14	1,056	1.00
Burkina Faso	1.18	913	1.13	716	0.99
Burundi	1.25	814	1.21	200	1.01
Cameroon	1.09	1,275	1.17	1,254	1.02
Colombia 1	1.16	2,597	1.09	2,154	0.97
Colombia 2	1.60	3,169	1.35	4,336	1.04
Dominican Rep. 1	1.10	4,932	1.19	1,712	0.99
Dominican Rep. 2	1.21	4,028	1.21	2,051	1.10
Ecuador	1.11	2,238	0.99	1,673	0.99
Egypt 1	1.14	2,885	1.28	1,160	0.88
Egypt 2	1.28	3,126	1.28	1,644	0.98
El Salvador	0.91	3,262	1.95	787	1.15
Ghana	1.30	2,369	1.16	296	1.00
Guatemala	0.98	2,428	1.00	681	1.07
Indonesia 1	1.64	6,772	1.43	2,232	0.88
Indonesia 2	1.62	12,985	1.42	4,979	1.00
Jordan	1.22	1,400	1.23	2,741	1.03
Kenya	1.19	3,826	1.40	1,587	1.06
Liberia	1.19	1,027	0.97	808	0.99
Madagascar	0.90	3,076	1.25	1,934	1.01
Mali	1.23	569	1.05	53	0.95
Mexico	1.50	4,352	1.30	3,504	1.12
Morocco 1	1.06	598	1.15	377	0.98
Morocco 2	1.09	1,561	1.20	1,629	0.96
Namibia	1.26	2,674	1.15	1,859	0.99
Niger	1.12	726	1.14	460	1.05
Nigeria	1.70	2,112	1.27	1,911	1.10
Nigeria (Ondo)	1.29	1,006	1.31	1,409	0.99
Pakistan	1.47	600	1.38	842	1.00
Paraguay	1.08	3,738	1.05	1,591	0.92
Peru 1	0.71	1,901	1.15	2,091	0.79
Peru 2	1.19	5,006	1.12	6,533	1.05
Rwanda	1.24	3,492	1.21	693	1.03
Senegal 1	1.06	598	1.14	383	1.04
Senegal 2	1.09	1,076	1.03	589	1.02
Sri Lanka	1.00	1,777	0.91	2,062	1.06
Sudan	1.35	1,543	1.14	821	0.94
Tanzania	1.24	5,542	1.60	424	1.09
Thailand	1.23	4,984	1.16	777	0.92
Togo	1.12	984	1.08	416	0.96
Trinidad & Tobago	1.01	1,725	0.89	1,972	0.98
Tunisia	1.20	1,302	1.05	440	0.99
Uganda	1.17	2,495	1.33	589	1.08
Zambia	1.07	4,246	1.00	1,486	1.00
Zimbabwe	1.18	2,349	1.18	1,249	1.10

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.42	2,106	1.28	5,817	1.01
Botswana	1.18	1,336	1.37	2,993	0.94
Brazil	1.33	2,591	1.16	3,301	0.95
Northeast Brazil	1.82	2,969	1.28	3,247	1.04
Burkina Faso	1.09	2,943	1.22	3,410	0.96
Burundi	1.30	312	0.99	3,646	1.08
Cameroon	1.40	2,045	1.79	1,826	1.07
Colombia 1	1.37	1,303	1.48	4,021	0.92
Colombia 2	1.61	3,511	2.16	5,131	0.81
Dominican Rep. 1	1.12	1,511	1.28	6,134	0.91
Dominican Rep. 2	1.15	2,213	1.47	5,106	0.90
Ecuador	1.17	1,175	1.25	3,538	0.93
Egypt 1	1.38	1,130	1.23	7,777	0.92
Egypt 2	1.37	2,095	1.21	7,769	1.01
Ghana	0.91	2,276	1.41	2,209	0.97
Guatemala	1.16	1,018	1.06	4,142	1.01
Indonesia 1	1.81	5,728	1.45	6,140	0.96
Indonesia 2	1.53	10,505	1.46	12,278	0.97
Jordan	1.11	708	1.21	5,752	0.94
Kenya	1.87	934	1.47	6,140	1.07
Madagascar	1.04	4,680	1.18	1,572	1.07
Mali	1.10	807	1.20	2,386	1.03
Mexico	1.89	3,243	1.70	6,016	1.09
Morocco 1	1.54	433	1.32	5,549	1.04
Morocco 2	1.82	2,138	1.09	7,109	1.13
Namibia	1.19	1,680	1.23	3,726	0.97
Niger	1.49	2,806	1.11	3,694	0.96
Nigeria	2.11	5,217	1.69	3,564	0.95
Nigeria (Ondo)	1.34	2,108	3.23	2,102	0.94
Pakistan	1.02	1,057	1.59	5,534	0.80
Paraguay	1.18	2,304	1.24	3,517	0.96
Peru 1	0.92	2,194	1.00	2,793	0.86
Peru 2	1.04	1,363	1.15	14,497	0.95
Rwanda	1.18	5,888	1.35	661	1.01
Senegal 1	1.16	1,168	1.04	3,239	1.03
Senegal 2	1.03	2,820	0.99	3,483	0.97
Sri Lanka	1.28	1,125	1.02	4,730	1.03
Sudan	1.11	471	1.08	5,385	1.01
Tanzania	1.04	6,178	1.29	3,048	0.98
Thailand	1.44	4,251	1.59	2,500	0.95
Togo	1.16	2,363	1.07	988	0.97
Trinidad & Tobago	1.17	952	1.07	2,838	1.04
Tunisia	1.06	457	1.29	3,727	0.89
Uganda	1.10	538	1.10	4,182	1.03
Zambia	1.05	3,437	1.03	3,622	0.91
Zimbabwe	1.16	1,410	0.92	2,788	1.07

Table B.17—Continued

Variable: Mother received tetanus

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.29	1,216	1.19	3,196	0.92
Botswana	1.65	899	1.20	2,206	0.97
Brazil	1.10	466	1.54	3,871	0.86
Northeast Brazil	1.39	738	1.35	1,954	0.87
Burkina Faso	2.10	4,803	1.48	664	0.84
Burundi	2.17	2,924	1.25	814	0.60
Cameroon	1.74	1,193	1.17	1,232	1.05
Colombia 1	1.00	311	1.30	2,597	0.80
Colombia 2	1.40	177	1.30	1,649	1.02
Dominican Rep. 1	1.25	469	1.07	4,932	1.13
Dominican Rep. 2	1.22	400	1.30	2,336	0.93
Ecuador	1.23	368	1.46	2,238	0.82
Egypt 1	1.71	4,429	1.17	2,885	0.76
Egypt 2	1.40	4,336	1.22	2,523	0.97
El Salvador	0.73	1,000	1.18	3,262	0.82
Ghana	2.02	1,783	1.35	2,369	1.06
Guatemala	1.21	1,979	1.42	2,428	0.98
Indonesia 2	1.71	2,651	1.87	9,009	0.88
Jordan	1.28	1,815	1.26	1,730	1.00
Kenya	1.76	1,702	1.10	3,826	1.08
Liberia	1.62	3,347	1.33	1,027	0.84
Madagascar	1.27	976	1.82	2,876	0.78
Mali	1.43	2,572	1.30	569	0.88
Morocco 2	1.32	4,192	0.88	511	0.80
Namibia	1.36	686	1.18	1,999	0.96
Niger	2.53	5,843	1.71	682	0.77
Nigeria	5.03	4,585	1.95	2,056	0.86
Nigeria (Ondo)	1.75	1,555	1.37	1,006	0.78
Pakistan	1.52	4,829	1.44	622	0.89
Paraguay	1.03	176	1.29	3,118	0.83
Peru 1	1.05	547	1.17	1,901	0.99
Peru 2	1.38	944	1.26	4,141	0.95
Rwanda	1.27	2,434	1.15	2,627	0.82
Senegal 1	1.60	3,409	0.98	598	0.78
Senegal 2	2.02	4,556	1.01	730	0.86
Sri Lanka	1.23	734	1.17	1,777	0.99
Sudan	1.53	3,425	1.21	1,543	0.85
Tanzania	1.48	2,998	1.31	4,790	0.94
Thailand	1.60	599	1.57	4,984	1.00
Togo	2.54	1,956	1.19	984	0.85
Tunisia	1.51	2,372	1.14	1,302	0.86
Uganda	1.37	1,631	1.18	2,495	0.93
Zambia	1.66	1,110	1.45	3,933	0.96
Zimbabwe	1.14	566	1.21	2,349	0.90

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.19	3,196	1.16	2,831	0.95
Botswana	1.20	2,206	1.10	1,144	1.07
Brazil	1.54	3,871	1.21	1,175	0.89
Northeast Brazil	1.35	1,954	1.02	359	0.90
Burkina Faso	1.48	664	1.27	276	0.93
Burundi	1.25	814	1.11	200	0.86
Cameroon	1.17	1,232	1.37	860	0.95
Colombia 1	1.30	2,597	1.14	2,154	0.94
Colombia 2	1.30	1,649	1.50	1,642	0.98
Dominican Rep. 1	1.07	4,932	1.05	1,712	1.05
Dominican Rep. 2	1.30	2,336	1.32	1,030	0.99
Ecuador	1.46	2,238	1.05	1,673	0.82
Egypt 1	1.17	2,885	1.31	1,160	0.88
Egypt 2	1.22	2,523	1.25	1,466	0.98
El Salvador	1.18	3,262	0.94	787	0.85
Ghana	1.35	2,369	1.01	296	0.84
Guatemala	1.42	2,428	1.10	681	0.91
Indonesia 2	1.87	9,009	1.19	3,568	0.93
Jordan	1.26	1,730	1.08	3,799	0.97
Kenya	1.10	3,826	1.19	1,587	0.93
Liberia	1.33	1,027	0.99	808	0.92
Madagascar	1.82	2,876	1.53	1,255	0.83
Morocco 2	0.88	511	1.22	373	0.93
Namibia	1.18	1,999	1.16	1,143	0.93
Niger	1.71	682	1.54	259	0.97
Nigeria	1.95	2,056	1.51	1,058	0.88
Nigeria (Ondo)	1.37	1,006	1.36	1,409	0.82
Pakistan	1.44	622	1.24	817	1.02
Paraguay	1.29	3,118	1.09	755	0.94
Peru 1	1.17	1,901	0.82	2,091	0.85
Peru 2	1.26	4,141	1.09	3,100	0.96
Rwanda	1.15	2,627	1.24	377	1.01
Senegal 1	0.98	598	0.88	383	0.89
Senegal 2	1.01	730	0.99	281	1.00
Sri Lanka	1.17	1,777	1.03	2,062	0.95
Sudan	1.21	1,543	1.09	821	0.91
Tanzania	1.31	4,790	1.18	251	0.98
Thailand	1.57	4,984	1.13	777	0.84
Togo	1.19	984	0.96	416	0.89
Trinidad & Tobago	1.05	1,725	1.02	1,972	0.89
Tunisia	1.14	1,302	1.07	440	0.94
Uganda	1.18	2,495	1.27	589	0.92
Zambia	1.45	3,933	0.97	1,091	0.89
Zimbabwe	1.21	2,349	1.39	1,249	1.00

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.08	2,106	1.34	5,817	0.90
Botswana	1.67	1,336	1.55	2,993	0.98
Brazil	1.29	2,591	1.47	3,301	0.84
Northeast Brazil	1.27	1,302	1.64	1,830	0.80
Burkina Faso	1.91	2,836	1.94	2,934	0.79
Burundi	1.34	312	2.05	3,646	0.71
Cameroon	1.70	1,948	1.50	1,373	0.81
Colombia 1	1.01	1,303	1.16	4,021	0.96
Colombia 2	1.34	1,272	1.60	2,452	1.02
Dominican Rep. 1	1.10	1,511	1.01	6,134	1.05
Dominican Rep. 2	1.27	1,030	1.41	3,097	0.94
Ecuador	0.96	1,175	1.59	3,538	0.79
Egypt 1	1.24	1,130	1.70	7,777	0.74
Egypt 2	1.43	1,705	1.40	6,987	0.99
Ghana	1.33	2,276	1.65	2,209	0.78
Guatemala	1.09	1,018	1.70	4,142	0.89
Indonesia 2	1.66	6,311	1.81	9,161	0.84
Jordan	0.98	857	1.27	7,425	0.89
Kenya	1.35	934	1.42	6,140	0.91
Madagascar	1.96	4,099	1.27	1,093	0.79
Mali	1.18	807	1.52	2,386	0.75
Morocco 2	1.29	1,006	1.23	4,128	0.93
Namibia	1.15	1,256	1.38	2,602	0.93
Niger	1.89	2,880	2.23	3,917	0.63
Nigeria	3.70	5,282	2.03	2,534	0.86
Nigeria (Ondo)	2.31	2,108	2.16	2,102	0.85
Pakistan	1.29	916	1.49	5,406	0.88
Paraguay	1.02	1,234	1.33	2,973	0.86
Peru 1	1.07	2,194	1.10	2,793	0.92
Peru 2	1.22	1,077	1.32	8,202	0.95
Rwanda	1.44	5,218	1.05	239	0.86
Senegal 1	1.31	1,168	1.35	3,239	0.78
Senegal 2	1.54	2,624	1.83	2,951	0.83
Sri Lanka	1.27	1,125	1.21	4,730	1.00
Sudan	1.23	471	1.66	5,385	0.83
Tanzania	1.30	5,798	1.35	2,246	0.87
Thailand	1.74	4,251	1.44	2,500	0.93
Togo	2.07	2,363	1.88	988	0.68
Trinidad & Tobago	1.14	952	1.19	2,838	1.04
Tunisia	1.17	457	1.61	3,727	0.89
Uganda	1.16	538	1.80	4,182	0.79
Zambia	1.53	3,402	1.53	2,828	0.87

Table B.17—Continued
Variable: Had diarrhea

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.18	1,216	1.07	3,196	0.92
Botswana	1.44	899	1.37	2,206	0.87
Brazil	1.03	466	1.15	3,871	0.89
Northeast Brazil	1.98	648	1.44	1,836	0.94
Burkina Faso	1.25	4,191	1.41	591	1.04
Burundi	1.05	2,924	0.91	814	0.80
Cameroon	1.16	1,035	1.31	1,160	0.86
Colombia 1	0.86	311	1.14	2,597	0.84
Colombia 2	1.26	166	1.56	1,602	1.05
Dominican Rep. 1	1.07	469	1.30	4,932	0.92
Dominican Rep. 2	1.39	374	1.50	2,194	1.02
Egypt 2	1.26	3,963	1.21	2,352	0.98
El Salvador	1.06	1,000	1.05	3,262	0.86
Ghana	1.37	1,783	1.15	2,369	0.94
Guatemala	1.01	1,979	1.09	2,428	0.84
Indonesia 2	1.37	2,371	1.44	8,265	0.97
Jordan	1.04	1,744	1.10	1,650	1.01
Kenya	1.16	1,702	1.30	3,826	1.14
Madagascar	0.98	836	1.21	2,535	0.83
Mali	1.38	2,572	1.10	569	0.74
Mexico	1.14	813	1.33	4,352	0.97
Morocco 1	1.46	4,946	1.01	598	0.77
Morocco 2	1.15	3,887	1.06	483	0.93
Namibia	1.06	629	1.21	1,857	0.88
Niger	1.50	4,668	1.22	599	0.89
Nigeria	1.59	3,889	1.46	1,818	0.94
Nigeria (Ondo)	1.33	1,555	1.05	1,006	0.88
Pakistan	1.47	4,407	1.21	571	0.91
Paraguay	1.16	165	1.16	2,994	0.98
Peru 1	1.09	547	0.73	1,901	1.19
Peru 2	1.15	845	1.14	3,736	0.99
Rwanda	1.01	2,139	1.06	2,351	0.83
Senegal 1	1.32	3,409	1.14	598	0.83
Senegal 2	1.18	4,097	1.02	680	0.92
Sri Lanka	1.13	734	1.09	1,777	1.02
Sudan	1.20	3,425	1.04	1,543	1.01
Tanzania	1.36	2,683	1.41	4,271	1.00
Thailand	1.86	599	1.25	4,984	1.18
Togo	1.14	1,956	1.04	984	0.96
Tunisia	1.64	2,372	1.12	1,302	0.98
Uganda	1.23	1,631	1.11	2,495	0.93
Zambia	1.15	941	1.05	3,347	0.99
Zimbabwe	1.21	566	0.94	2,349	1.00

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.07	3,196	1.22	2,831	1.05
Botswana	1.37	2,206	0.94	1,144	0.81
Brazil	1.15	3,871	0.86	1,175	0.93
Northeast Brazil	1.44	1,836	1.44	346	1.02
Burkina Faso	1.41	591	1.03	254	0.94
Burundi	0.91	814	1.33	200	1.17
Cameroon	1.31	1,160	1.28	807	0.92
Colombia 1	1.14	2,597	1.06	2,154	1.01
Colombia 2	1.56	1,602	1.21	1,607	0.95
Dominican Rep. 1	1.30	4,932	1.20	1,712	0.95
Dominican Rep. 2	1.50	2,194	1.36	986	0.96
Egypt 2	1.21	2,352	1.39	1,396	1.00
El Salvador	1.05	3,262	0.60	787	0.84
Ghana	1.15	2,369	0.98	296	0.95
Guatemala	1.09	2,428	0.97	681	0.96
Indonesia 2	1.44	8,265	1.27	3,427	0.94
Jordan	1.10	1,650	1.01	3,676	0.93
Kenya	1.30	3,826	1.10	1,587	0.94
Madagascar	1.21	2,535	1.13	1,154	0.89
Mexico	1.33	4,352	1.67	3,504	1.00
Morocco 1	1.01	598	0.91	377	1.00
Morocco 2	1.06	483	0.93	365	1.13
Namibia	1.21	1,857	1.15	1,075	0.96
Niger	1.22	599	1.23	244	1.00
Nigeria	1.46	1,818	1.58	964	0.98
Nigeria (Ondo)	1.05	1,006	1.22	1,409	0.86
Pakistan	1.21	571	1.55	768	0.95
Paraguay	1.16	2,994	1.17	732	0.85
Peru 1	0.73	1,901	1.16	2,091	0.98
Peru 2	1.14	3,736	1.16	2,971	0.88
Rwanda	1.06	2,351	1.16	351	0.99
Senegal 1	1.14	598	1.05	383	0.89
Senegal 2	1.02	680	0.90	271	0.94
Sri Lanka	1.09	1,777	0.94	2,062	0.97
Sudan	1.04	1,543	0.91	821	0.94
Tanzania	1.41	4,271	0.93	238	0.87
Thailand	1.25	4,984	1.05	777	0.94
Togo	1.04	984	0.93	416	0.92
Trinidad & Tobago	1.08	1,725	1.07	1,972	1.07
Tunisia	1.12	1,302	0.86	440	0.93
Uganda	1.11	2,495	1.24	589	0.96
Zambia	1.05	3,347	1.02	954	0.98
Zimbabwe	0.94	2,349	1.06	1,249	1.00

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.06	2,106	1.21	5,817	0.97
Botswana	1.46	1,336	1.41	2,993	0.82
Brazil	1.03	2,591	1.12	3,301	0.92
Northeast Brazil	1.79	1,205	1.42	1,707	0.79
Burkina Faso	1.19	2,490	1.31	2,573	0.93
Burundi	1.27	312	1.18	3,646	1.05
Cameroon	1.41	1,767	1.45	1,270	0.94
Colombia 1	1.10	1,303	1.25	4,021	0.96
Colombia 2	1.17	1,237	1.27	2,391	0.86
Dominican Rep. 1	1.25	1,511	1.34	6,134	0.99
Dominican Rep. 2	1.31	985	1.41	2,926	0.87
Egypt 2	1.28	1,592	1.24	6,475	0.93
Ghana	1.35	2,276	1.33	2,209	0.91
Guatemala	1.04	1,018	1.31	4,142	0.90
Indonesia 2	1.45	5,781	1.52	8,521	1.01
Jordan	1.04	834	1.02	7,152	1.00
Kenya	1.58	934	0.99	6,140	1.18
Madagascar	1.36	3,621	1.15	988	0.93
Mali	1.02	807	1.50	2,386	0.84
Mexico	1.76	3,243	1.49	6,016	1.09
Morocco 1	1.03	433	1.45	5,549	0.83
Morocco 2	1.15	932	1.10	3,860	0.98
Namibia	1.08	1,162	1.21	2,428	0.87
Niger	1.52	2,303	1.46	3,221	0.94
Nigeria	1.67	4,588	1.70	2,196	0.95
Nigeria (Ondo)	1.24	2,108	1.01	2,102	0.99
Pakistan	1.25	827	1.53	4,976	0.92
Paraguay	1.22	1,181	1.24	2,867	0.98
Peru 1	1.00	2,194	1.07	2,793	0.95
Peru 2	1.22	1,007	1.21	7,618	0.98
Rwanda	1.18	4,652	1.04	204	0.93
Senegal 1	1.13	1,168	1.33	3,239	0.84
Senegal 2	1.20	2,358	1.18	2,699	1.00
Sri Lanka	1.06	1,125	1.09	4,730	0.95
Sudan	1.05	471	1.17	5,385	0.94
Tanzania	1.46	5,166	1.24	2,028	0.91
Thailand	1.39	4,251	1.23	2,500	0.95
Togo	1.08	2,363	1.13	988	0.99
Trinidad & Tobago	1.00	952	0.84	2,838	1.03
Tunisia	1.04	457	1.52	3,727	0.80
Uganda	1.26	538	1.19	4,182	0.97
Zambia	1.09	2,909	1.03	2,419	0.92
Zimbabwe	1.22	1,410	1.12	2,788	1.02

Table B.17—Continued

Variable: Immunized

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.06	1,216	1.20	3,196	0.91
Botswana	1.59	899	1.24	2,206	1.13
Brazil	0.99	466	1.08	3,871	0.93
Northeast Brazil	1.38	126	1.28	350	0.95
Burkina Faso	1.23	844	1.42	121	1.01
Burundi	1.20	2,924	1.07	814	0.92
Cameroon	1.72	187	1.42	254	0.95
Colombia 1	1.11	311	1.10	2,597	1.02
Dominican Rep. 2	1.43	79	1.18	462	0.96
Egypt 1	1.35	4,429	1.02	2,885	0.85
Egypt 2	1.34	756	1.11	452	0.94
Ghana	1.15	1,783	1.10	2,369	0.89
Guatemala	1.43	1,979	0.96	2,428	0.97
Indonesia 2	1.31	445	1.37	1,667	0.99
Jordan	1.18	336	1.12	339	0.94
Kenya	1.11	1,702	1.24	3,826	0.87
Liberia	1.87	3,347	1.16	1,027	0.75
Madagascar	1.34	162	1.27	558	0.85
Mali	0.82	2,572	0.67	569	0.91
Morocco 1	1.62	4,946	1.06	598	0.82
Morocco 2	2.00	779	0.86	115	0.89
Namibia	0.96	121	1.07	425	0.97
Niger	1.20	910	1.19	120	0.94
Nigeria	1.15	775	1.45	335	1.08
Nigeria (Ondo)	0.97	1,555	1.07	1,006	0.94
Pakistan	1.40	883	1.31	123	0.94
Paraguay	0.99	33	0.99	621	0.99
Peru 1	0.87	547	0.84	1,901	1.20
Peru 2	1.12	130	1.28	706	0.91
Rwanda	1.16	411	1.17	491	0.87
Senegal 1	1.07	3,409	1.01	598	0.89
Senegal 2	1.37	777	1.06	135	0.88
Sri Lanka	1.09	734	1.04	1,777	1.05
Sudan	1.12	3,425	0.97	1,543	0.90
Tanzania	1.38	591	1.48	975	0.89
Thailand	0.89	599	1.12	4,984	0.90
Tunisia	1.11	2,372	0.96	1,302	1.10
Uganda	1.23	1,631	1.06	2,495	0.93
Zambia	1.15	201	1.17	715	0.96
Zimbabwe	1.04	566	1.10	2,349	0.98

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.20	3,196	1.20	2,831	1.03
Botswana	1.24	2,206	1.10	1,144	0.97
Brazil	1.08	3,871	1.09	1,175	0.94
Northeast Brazil	1.28	350	1.11	81	1.01
Burkina Faso	1.42	121	1.23	51	1.04
Burundi	1.07	814	0.63	200	0.87
Cameroon	1.42	254	1.51	197	0.84
Colombia 1	1.10	2,597	1.00	2,154	0.93
Colombia 2	1.33	317	1.24	368	0.95
Dominican Rep. 2	1.18	462	1.18	226	1.01
Egypt 1	1.02	2,885	1.19	1,160	0.99
Egypt 2	1.11	452	1.05	280	0.99
El Salvador	0.95	3,262	1.04	787	1.06
Ghana	1.10	2,369	0.99	296	0.98
Guatemala	0.96	2,428	1.02	681	1.06
Indonesia 2	1.37	1,667	1.29	728	0.95
Jordan	1.12	339	1.24	753	0.96
Kenya	1.24	3,826	1.47	1,587	0.90
Liberia	1.16	1,027	0.94	808	1.01
Madagascar	1.27	558	1.43	247	0.97
Mali	0.67	569	0.96	53	1.11
Morocco 2	0.86	115	0.87	78	1.06
Namibia	1.07	425	1.27	240	1.07
Niger	1.19	120	1.33	49	1.09
Nigeria	1.45	335	1.70	205	1.06
Nigeria (Ondo)	1.07	1,006	0.86	1,409	0.98
Pakistan	1.31	123	1.23	168	1.04
Paraguay	0.99	621	1.05	142	0.99
Peru 1	0.84	1,901	0.86	2,091	0.88
Peru 2	1.28	706	1.12	582	0.98
Rwanda	1.17	491	1.17	76	0.92
Senegal 1	1.01	598	1.13	383	1.02
Senegal 2	1.06	135	0.99	42	0.87
Sri Lanka	1.04	1,777	1.08	2,062	0.99
Sudan	0.97	1,543	1.01	821	0.94
Tanzania	1.48	975	2.29	48	1.29
Thailand	1.12	4,984	1.31	777	0.93
Tunisia	0.96	1,302	1.00	440	1.04
Uganda	1.06	2,495	1.18	589	0.98
Zambia	1.17	715	1.05	206	0.99
Zimbabwe	1.10	2,349	1.17	1,249	0.93

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.22	2,106	1.05	5,817	1.06
Botswana	1.09	1,336	1.31	2,993	0.78
Brazil	1.10	2,591	1.20	3,301	0.94
Northeast Brazil	1.50	212	1.31	360	0.98
Burkina Faso	1.29	499	1.29	523	1.00
Cameroon	1.44	359	1.48	285	0.81
Colombia 2	1.09	257	1.28	505	0.94
Dominican Rep. 2	1.21	203	1.35	650	0.93
Egypt 1	0.98	1,130	1.31	7,777	0.89
Egypt 2	1.37	301	1.25	1,262	0.99
Ghana	1.13	2,276	1.33	2,209	1.00
Indonesia 2	1.35	1,138	1.38	1,756	0.99
Jordan	0.98	169	1.20	1,473	0.83
Kenya	1.51	934	1.30	6,140	1.04
Madagascar	1.43	769	1.41	218	0.90
Morocco 2	1.56	183	1.75	800	0.80
Namibia	1.05	272	1.15	521	1.00
Niger	1.09	422	1.17	658	0.87
Nigeria	1.71	895	1.38	442	0.98
Nigeria (Ondo)	0.98	2,108	0.93	2,102	0.76
Pakistan	1.31	164	1.42	1,023	0.97
Paraguay	1.08	234	1.07	601	1.01
Peru 1	1.24	2,194	1.00	2,793	0.96
Peru 2	1.24	180	1.15	1,462	1.00
Rwanda	1.33	939	0.70	41	0.80
Senegal 1	0.86	1,168	1.21	3,239	0.85
Senegal 2	1.24	455	1.16	504	0.83
Sri Lanka	1.32	1,125	1.14	4,730	1.10
Tanzania	1.43	1,159	1.30	453	0.89
Thailand	1.06	4,251	1.36	2,500	1.06
Uganda	1.06	538	1.21	4,182	0.98
Zambia	1.21	589	1.08	545	0.92
Zimbabwe	1.02	1,410	1.08	2,788	1.00

Table B.17—Continued

Variable: Weight for height

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Burundi	1.11	2,924	1.28	814	1.09
Ghana	1.02	1,783	1.10	2,369	0.99
Mali	1.24	2,572	1.04	569	0.91
Nigeria (Ondo)	1.19	1,555	1.01	1,006	0.87
Sri Lanka	1.14	734	1.13	1,777	1.04
Thailand	1.90	599	1.34	4,984	1.15
Togo	0.83	1,956	1.07	984	0.92
Tunisia	1.00	2,372	0.91	1,302	0.93

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Burundi	1.28	814	1.52	200	1.05
Ghana	1.10	2,369	0.94	296	0.89
Nigeria (Ondo)	1.01	1,006	1.02	1,409	0.99
Sri Lanka	1.13	1,777	1.04	2,062	0.98
Thailand	1.34	4,984	1.07	777	0.96
Trinidad&Tobago	1.02	1,725	0.93	1,972	1.07
Tunisia	0.91	1,302	1.03	440	1.04

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Burundi	1.18	312	1.12	3,646	1.02
Ghana	1.19	2,276	0.88	2,209	1.05
Mali	1.04	807	1.26	2,386	0.95
Nigeria (Ondo)	1.08	2,108	1.07	2,102	0.96
Senegal 1	0.95	1,168	0.96	3,239	1.00
Sri Lanka	1.04	1,125	1.13	4,730	0.94
Thailand	1.38	4,251	1.43	2,500	0.97
Togo	1.35	2,363	1.30	988	0.87

Table B.17—Continued
Variable: IMR 1-4 years

(1) No education versus primary incomplete

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.22	1,216	1.32	3,196	1.00
Botswana	0.93	899	1.30	2,206	1.01
Brazil	1.08	466	1.05	3,871	0.98
Northeast Brazil	1.91	630	1.07	1,586	1.16
Burkina Faso	1.08	3,865	1.31	512	1.05
Burundi	1.17	2,924	0.99	814	0.93
Cameroon	1.06	963	1.17	981	0.92
Colombia 1	0.95	311	1.08	2,597	1.00
Colombia 2	0.76	146	1.04	1,325	0.86
Dominican Rep. 1	1.16	469	1.18	4,932	1.02
Dominican Rep. 2	0.99	340	1.38	1,840	0.95
Ecuador	1.05	368	1.01	2,238	1.04
Egypt 1	1.12	4,429	1.11	2,885	0.99
Egypt 2	1.10	3,641	1.25	2,131	1.01
El Salvador	1.59	1,000	1.09	3,262	1.13
Ghana	1.12	1,783	1.07	2,369	0.89
Guatemala	1.12	1,979	0.99	2,428	1.01
Indonesia 1	1.24	2,629	1.39	6,772	0.95
Indonesia 2	1.17	2,204	1.50	7,407	0.90
Jordan	1.03	1,553	1.10	1,447	0.96
Kenya	1.02	1,702	1.13	3,826	0.98
Liberia	1.16	3,347	1.13	1,027	0.97
Madagascar	1.20	787	1.09	2,264	1.02
Mali	0.93	2,572	1.14	569	1.14
Mexico	1.28	813	1.19	4,352	1.01
Morocco 1	1.08	4,946	0.90	598	0.96
Morocco 2	1.05	3,445	1.19	423	1.00
Namibia	0.98	540	0.98	1,587	0.99
Niger	1.25	4,669	1.06	529	0.93
Nigeria	1.15	3,676	1.44	1,619	1.03
Nigeria (Ondo)	1.07	1,555	1.11	1,006	0.79
Pakistan	1.36	3,754	1.42	498	1.05
Paraguay	0.92	146	1.13	2,536	0.93
Peru 1	1.14	547	0.94	1,901	0.99
Peru 2	0.98	776	1.06	3,380	0.97
Rwanda	0.82	1,993	0.95	2,077	0.85
Senegal 1	1.06	3,409	0.97	598	0.97
Senegal 2	1.01	3,667	1.00	572	0.99
Sudan	1.31	3,425	1.09	1,543	0.94
Tanzania	1.36	2,456	1.40	3,707	0.83
Thailand	1.24	599	1.40	4,984	0.97
Togo	0.99	1,956	0.97	984	1.04
Tunisia	0.90	2,372	1.04	1,302	0.96
Uganda	1.00	1,631	1.02	2,495	1.09
Zambia	0.94	884	1.15	3,024	0.96
Zimbabwe	1.06	566	1.10	2,349	0.92

(2) Primary incomplete versus primary completed

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.32	3,196	1.17	2,831	0.90
Botswana	1.30	2,206	0.89	1,144	0.92
Brazil	1.05	3,871	1.27	1,175	1.05
Northeast Brazil	1.07	1,586	1.16	294	1.05
Burkina Faso	1.31	512	1.28	222	0.97
Cameroon	1.17	981	1.04	685	0.96
Colombia 2	1.04	1,325	1.03	1,263	0.95
Dominican Rep. 1	1.18	4,932	1.07	1,712	0.98
Dominican Rep. 2	1.38	1,840	1.17	821	1.00
Ecuador	1.01	2,238	0.94	1,673	1.00
Egypt 1	1.11	2,885	0.92	1,160	1.00
Egypt 2	1.25	2,131	1.19	1,145	1.03
El Salvador	1.09	3,262	1.33	787	1.10
Ghana	1.07	2,369	0.86	296	0.91
Guatemala	0.99	2,428	1.02	681	1.06
Indonesia 1	1.39	6,772	1.23	2,232	1.00
Indonesia 2	1.50	7,407	1.26	2,739	0.99
Jordan	1.10	1,447	1.03	3,010	1.02
Kenya	1.13	3,826	1.25	1,587	1.05
Liberia	1.13	1,027	1.24	808	0.91
Madagascar	1.09	2,264	1.17	977	1.07
Mali	1.14	569	1.29	53	1.07
Morocco 1	0.90	598	1.04	377	1.09
Morocco 2	1.19	423	1.19	294	0.98
Namibia	0.98	1,587	1.07	873	0.98
Niger	1.06	529	1.33	205	1.05
Nigeria	1.44	1,619	1.30	805	0.97
Nigeria (Ondo)	1.11	1,006	0.92	1,409	1.04
Pakistan	1.42	498	1.38	643	0.99
Paraguay	1.13	2,536	1.04	581	1.06
Peru 1	0.94	1,901	0.94	2,091	0.94
Peru 2	1.06	3,380	0.97	2,446	1.04
Rwanda	0.95	2,077	1.15	292	1.00
Senegal 1	0.97	598	0.80	383	1.03
Senegal 2	1.00	572	1.02	218	1.07
Sudan	1.09	1,543	0.95	821	0.98
Tanzania	1.40	3,707	1.76	201	1.07
Togo	0.97	984	1.03	416	1.03
Trinidad & Tobago	0.97	1,725	1.02	1,972	1.00
Tunisia	1.04	1,302	0.94	440	0.97
Uganda	1.02	2,495	1.27	589	1.11
Zambia	1.15	3,024	1.00	842	1.00
Zimbabwe	1.10	2,349	0.89	1,249	0.97

(3) Woman working versus not working

Country	Deft1	n1	Deft2	n2	beta
Bolivia	1.15	2,106	1.38	5,817	0.95
Botswana	1.11	1,336	1.20	2,993	0.96
Brazil	0.98	2,591	1.02	3,301	0.90
Northeast Brazil	1.46	1,138	1.29	1,440	0.81
Burkina Faso	1.08	2,332	1.21	2,290	1.00
Burundi	1.26	312	1.01	3,646	1.09
Cameroon	1.09	1,602	1.04	1,050	1.00
Colombia 2	0.87	1,063	1.04	1,888	0.89
Dominican Rep. 1	1.13	1,511	1.20	6,134	1.03
Dominican Rep. 2	0.96	855	1.34	2,432	1.00
Ecuador	0.93	1,175	0.97	3,538	1.02
Egypt 1	1.14	1,130	1.07	7,777	1.01
Egypt 2	1.11	1,456	1.06	5,749	0.95
Ghana	0.84	2,276	1.11	2,209	0.95
Guatemala	1.17	1,018	1.03	4,142	1.03
Indonesia 1	1.49	5,728	1.53	6,140	0.84
Indonesia 2	1.40	5,358	1.53	7,177	0.97
Jordan	1.24	696	1.06	6,030	1.00
Kenya	1.24	934	1.25	6,140	0.97
Madagascar	1.21	3,275	0.90	826	0.97
Mali	1.16	807	0.98	2,386	1.15
Mexico	1.29	3,243	1.39	6,016	1.08
Morocco 1	1.04	433	1.01	5,549	1.01
Morocco 2	1.01	830	1.02	3,375	0.90
Namibia	1.05	1,016	0.95	2,009	0.95
Niger	1.37	2,341	1.17	3,072	1.01
Nigeria	1.21	4,257	1.43	1,940	0.98
Nigeria (Ondo)	1.14	2,108	0.90	2,102	0.94
Pakistan	1.48	754	1.20	4,187	1.07
Paraguay	0.86	1,061	1.08	2,333	0.94
Peru 1	0.78	2,194	1.07	2,793	0.87
Peru 2	0.90	866	0.98	6,618	0.97
Rwanda	1.00	4,200	0.98	180	0.97
Senegal 1	1.07	1,168	0.95	3,239	0.98
Senegal 2	1.02	2,142	0.92	2,323	0.97
Sudan	0.88	471	1.15	5,385	0.83
Tanzania	1.41	4,605	1.56	1,764	0.91
Thailand	1.15	4,251	1.49	2,500	0.99
Togo	1.14	2,363	0.98	988	1.01
Trinidad & Tobago	0.96	952	0.98	2,838	0.91
Tunisia	1.05	457	0.92	3,727	1.04
Uganda	1.20	538	0.91	4,182	1.12
Zambia	1.04	2,683	1.00	2,137	0.97
Zimbabwe	0.97	1,410	1.04	2,788	0.90

Note:

(1) The variables under study in Table B.17 are:

Variables with woman as the unit of analysis:

- Using modern method
- Age at marriage
- Ideal family size
- Births in last 5 years
- Children ever born

Variables with child as the unit of analysis:

- Mother received tetanus
- Diarrhea
- Immunized
- Weight for height
- IMR 1-4 years

(2) The results are for subclasses in the pair:

n1, deft1 : sample size and design effect for Class 1;

n2, deft2 : same for Class 2 in the pair.

(3) The results are for difference between subclasses in a pair:

beta= 2 * Deftd / (Deft1 + Deft2)

where deftd = computed design effect for difference between the two classes.

Table B.18.1 Coefficient of variation (cv) in percent of means for the total sample and for urban and rural domains: Sub-Saharan Africa, DHS-I

Variable	Botswana	Burundi	Ghana	Kenya	Liberia	Mali	Nigeria (Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe	Mean over countries	cv(cv)
TOTAL														
Age at marriage	24	16	19	21	23	28	18	23	25	19	19	20	21	12
Children ever born	96	97	93	89	93	79	91	95	74	93	94	101	96	18
Children born to 40-49	52	39	40	41	55	46	49	45	44	38	47	48	51	18
Births in last 5 years	110	99	95	99	102	89	115	97	84	95	95	111	116	19
Ideal family size	48	41	42	45	49	45	35	44	53	45	40	46	50	17
Births 1-4 years	117	109	106	106	111	102	123	107	97	108	104	120	128	19
Births 5-9 years	122	116	119	111	119	-	120	117	-	113	119	127	209	49
Children 0-4 years	112	99	101	105	104	96	116	100	-	95	101	109	120	17
Children 1-2 years	271	216	235	209	223	226	261	202	193	219	217	224	249	15
Children weighed	-	120	138	-	-	174	155	264	-	128	108	127	170	30
URBAN														
Age at marriage	23	21	19	21	22	39	19	27	26	20	20	20	22	15
Children ever born	101	98	102	103	97	90	89	106	75	108	108	105	102	18
Children born to 40-49	55	47	45	57	52	51	53	45	47	43	56	53	55	16
Births in last 5 years	119	114	112	114	102	95	110	111	91	118	108	123	128	18
Ideal family size	46	40	40	39	47	44	32	45	52	44	41	46	48	16
Births 1-4 years	129	128	122	125	117	108	122	120	101	124	118	132	140	18
Births 5-9 years	127	134	132	146	128	-	116	126	-	134	149	139	230	52
Children 0-4 years	117	117	116	115	109	100	113	114	96	121	117	124	131	17
Children 1-2 years	261	262	255	253	243	219	242	220	218	254	231	256	273	18
Children weighed	-	159	154	-	-	151	146	290	-	150	137	159	189	32
RURAL														
Age at marriage	25	16	19	21	23	23	18	19	24	19	19	20	21	12
Children ever born	94	97	87	85	91	76	91	86	73	85	92	96	91	16
Children born to 40-49	51	39	37	38	56	45	48	45	41	35	46	45	47	15
Births in last 5 years	102	95	87	96	98	89	114	85	82	86	93	104	107	18
Ideal family size	49	40	42	45	48	44	37	39	52	44	39	44	50	21
Births 1-4 years	117	104	98	107	115	101	126	96	94	98	102	112	117	16
Births 5-9 years	119	117	110	-	117	-	119	105	-	103	114	120	199	49
Children 0-4 years	107	101	93	100	99	92	117	93	-	88	99	107	113	15
Children 1-2 years	232	207	206	208	249	225	266	193	211	204	197	236	232	12
Children weighed	-	114	127	-		176	159	244	-	125	107	122	157	25
RATIO URBAN/RURAL														
Age at marriage	0.94	1.29	0.99	0.99	0.95	1.74	1.03	1.36	1.08	1.06	1.10	0.99	1.05	1.19
Children ever born	1.07	1.01	1.17	1.21	1.06	1.19	0.98	1.24	1.02	1.27	1.18	1.09	1.12	1.16
Children born to 40-49	1.07	1.21	1.22	1.49	0.94	1.14	1.11	1.01	1.15	1.23	1.20	1.18	1.16	1.04
Births in last 5 years	1.16	1.20	1.29	1.18	1.04	1.07	0.97	1.32	1.11	1.37	1.16	1.18	1.20	1.05
Ideal family size	0.95	0.99	0.93	0.88	0.98	1.00	0.87	1.15	1.00	1.00	1.04	1.05	0.96	0.78
Births 1-4 years	1.10	1.23	1.25	1.17	1.01	1.07	0.97	1.25	1.07	1.27	1.16	1.18	1.19	1.09
Births 5-9 years	1.06	1.14	1.20	-	1.10	-	0.97	1.20	-	1.31	1.31	1.16	1.15	1.08
Children 0-4 years	1.10	1.16	1.25	1.15	1.09	1.08	0.97	1.23	-	1.37	1.18	1.16	1.17	1.11
Children 1-2 years	1.12	1.26	1.24	1.21	0.98	0.97	0.91	1.14	1.03	1.25	1.17	1.08	1.18	1.47
Children weighed	-	1.39	1.21	-	-	0.86	0.92	1.19	-	1.20	1.28	1.30	1.20	1.25
Average ratio	1.06	1.19	1.18	1.16	1.02	1.12	0.97	1.21	1.07	1.23	1.18	1.14	1.14	1.12

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.18.2 Coefficient of variation (cv) in percent of means for the total sample and for urban and rural domains: Sub-Saharan Africa, DHS-II

Variable	Burkina Faso	Cameroon	Madagascar	Namibia	Niger	Nigeria	Rwanda	Senegal	Tanzania	Zambia	Mean over countries	cv(cv)
TOTAL												
Age at marriage	13	21	21	26	17	24	16	20	21	18	21	12
Children ever born	87	96	104	112	84	92	105	97	98	101	96	18
Children born to 40-49	36	57	56	54	45	49	34	42	45	39	51	18
Births in last 5 years	91	107	105	119	90	103	103	103	104	104	116	19
Ideal family size	46	53	49	61	41	42	41	45	44	44	50	17
Births 1-4 years	95	115	118	135	103	115	115	117	113	121	128	19
Births 5-9 years	215	383	322	325	324	315	254	232	246	-	209	49
Children 0-4 years	90	105	112	119	99	108	113	107	105	114	120	17
Children 1-2 years	231	231	228	230	247	254	246	253	215	229	249	15
Children weighed	-	-	-	-	-	-	-	-	-	-	170	30
URBAN												
Age at marriage	16	20	21	24	20	22	17	22	22	18	22	15
Children ever born	108	101	122	105	95	104	121	112	108	107	102	18
Children born to 40-49	38	63	60	60	48	51	45	46	53	40	55	16
Births in last 5 years	116	112	146	127	101	117	125	126	113	110	128	18
Ideal family size	42	52	43	66	46	38	41	42	44	42	48	16
Births 1-4 years	126	120	154	138	109	131	136	136	127	123	140	18
Births 5-9 years	249	424	361	392	405	383	316	262	300	-	230	52
Children 0-4 years	120	115	145	131	106	118	134	130	117	116	131	17
Children 1-2 years	252	239	296	279	216	270	267	259	241	244	273	18
Children weighed	-	-	-	-	-	-	-	-	-	-	189	32
RURAL												
Age at marriage	13	21	21	27	16	24	16	17	21	18	21	12
Children ever born	82	91	99	112	82	87	104	87	93	94	91	16
Children born to 40-49	36	54	55	50	45	48	33	40	43	38	47	15
Births in last 5 years	83	99	103	114	88	98	102	91	97	97	107	18
Ideal family size	44	51	47	53	38	41	40	40	42	41	50	21
Births 1-4 years	90	106	112	128	97	105	116	102	104	107	117	16
Births 5-9 years	205	413	296	332	333	306	300	198	236	-	199	49
Children 0-4 years	83	102	107	117	99	105	105	94	102	102	113	15
Children 1-2 years	227	224	212	248	245	236	230	239	215	222	232	12
Children weighed	-	-	-	-	-	-	-	-	-	-	157	25
RATIO URBAN/RURAL												
Age at marriage	1.25	0.96	1.03	0.91	1.27	0.93	1.06	1.29	1.04	1.01	1.05	1.19
Children ever born	1.32	1.12	1.23	0.94	1.16	1.19	1.17	1.29	1.16	1.14	1.12	1.16
Children born to 40-49	1.06	1.16	1.09	1.21	1.07	1.07	1.36	1.15	1.24	1.03	1.16	1.04
Births in last 5 years	1.41	1.13	1.42	1.11	1.16	1.20	1.22	1.39	1.16	1.14	1.20	1.05
Ideal family size	0.95	1.02	0.92	1.24	1.20	0.92	1.01	1.04	1.05	1.01	0.96	0.78
Births 1-4 years	1.40	1.13	1.38	1.08	1.12	1.24	1.18	1.34	1.22	1.15	1.19	1.09
Births 5-9 years	1.21	1.03	1.22	1.18	1.21	1.25	1.05	1.33	1.27	-	1.15	1.08
Children 0-4 years	1.44	1.13	1.36	1.11	1.07	1.13	1.28	1.39	1.14	1.14	1.17	1.11
Children 1-2 years	1.11	1.07	1.39	1.13	0.88	1.15	1.16	1.08	1.12	1.10	1.18	1.47
Children weighed	-	-	-	-	-	-	-	-	-	-	1.20	1.25
Average ratio	1.24	1.08	1.23	1.10	1.13	1.12	1.17	1.26	1.16	1.09	1.14	1.12

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.18.3 Coefficient of Variation (cv) in percent of means for the total sample and for urban and rural domains: Asia/Near East/North Africa, DHS-I

Variable	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Mean over countries	cv(cv)
TOTAL								
Age at marriage	23	23	22	22	19	19	21	12
Children ever born	71	75	75	72	78	69	96	18
Children born to 40-49	49	54	47	54	52	46	51	18
Births in last 5 years	101	116	93	121	128	93	116	19
Ideal family size	47	44	46	41	47	42	50	17
Births 1-4 years	108	125	104	136	148	99	128	19
Births 5-9 years	113	113	-	118	128	-	209	49
Children 0-4 years	99	122	97	124	131	-	120	17
Children 1-2 years	222	240	207	234	254	210	249	15
Children weighed	203	-	118	170	176	127	170	30
URBAN								
Age at marriage	23	23	23	22	21	19	22	15
Children ever born	70	76	77	70	81	70	102	18
Children born to 40-49	51	56	50	55	62	48	55	16
Births in last 5 years	111	118	108	130	142	98	128	18
Ideal family size	44	44	48	45	49	40	48	16
Births 1-4 years	117	125	114	144	157	108	140	18
Births 5-9 years	119	115	112	129	150	111	230	52
Children 0-4 years	110	119	108	131	140	97	131	17
Children 1-2 years	253	253	220	333	276	224	273	18
Children weighed	242	-	112	181	188	145	189	32
RURAL								
Age at marriage	21	22	21	22	19	19	21	12
Children ever born	70	76	73	71	75	65	91	16
Children born to 40-49	44	53	42	53	49	41	47	15
Births in last 5 years	94	117	86	116	131	85	107	18
Ideal family size	49	45	44	40	46	42	50	21
Births 1-4 years	99	123	95	130	142	92	117	16
Births 5-9 years	-	117	-	117	125	-	199	49
Children 0-4 years	-	121	-	118	127	-	113	15
Children 1-2 years	226	272	192	258	267	178	232	12
Children weighed	217	-	116	153	169	117	157	25
RATIO URBAN/RURAL								
Age at marriage	1.06	1.05	1.08	0.98	1.11	1.01	1.05	1.19
Children ever born	0.99	1.00	1.06	0.99	1.07	1.07	1.12	1.16
Children born to 40-49	1.14	1.07	1.19	1.03	1.26	1.18	1.16	1.04
Births in last 5 years	1.18	1.01	1.25	1.12	1.09	1.16	1.20	1.05
Ideal family size	0.89	0.97	1.10	1.14	1.07	0.95	0.96	0.78
Births 1-4 years	1.18	1.02	1.20	1.11	1.11	1.17	1.19	1.09
Births 5-9 years	-	0.99	-	1.10	1.19	-	1.15	1.08
Children 0-4 years	-	0.98	-	1.11	1.10	-	1.17	1.11
Children 1-2 years	1.12	0.93	1.14	1.29	1.03	1.26	1.18	1.47
Children weighed	1.12		0.97	1.18	1.11	1.24	1.20	1.25
Average ratio	1.09	1.00	1.12	1.11	1.11	1.13	1.14	1.12

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.18.4 Coefficient of Variation (cv) in percent of means for the total sample and for urban and rural domains: Asia/Near East/North Africa, DHS-II

Variable	Egypt	Indonesia	Jordan	Morocco	Pakistan	Mean over countries	cv(cv)
TOTAL							
Age at marriage	22	22	20	21	22	21	12
Children ever born	70	77	71	127	72	96	18
Children born to 40-49	51	55	40	50	45	51	18
Births in last 5 years	103	120	87	153	99	116	19
Ideal family size	49	44	47	50	43	50	17
Births 1-4 years	108	129	-	166	111	128	19
Births 5-9 years	237	352	179	281	-	209	49
Children 0-4 years	107	118	-	149	98	120	17
Children 1-2 years	240	284	170	328	195	249	15
Children weighed	-	-	-	-	-	170	30
URBAN							
Age at marriage	22	22	20	22	21	22	15
Children ever born	70	74	72	140	70	102	18
Children born to 40-49	55	57	42	56	45	55	16
Births in last 5 years	117	122	90	175	102	128	18
Ideal family size	47	46	48	50	37	48	16
Births 1-4 years	131	137	99	184	112	140	18
Births 5-9 years	265	424	204	294	-	230	52
Children 0-4 years	117	118 -		175	104	131	17
Children 1-2 years	279	248	173	395	200	273	18
Children weighed	-	-	-	-	-	189	32
RURAL							
Age at marriage	20	22	19	20	23	21	12
Children ever born	68	76	67	116	73	91	16
Children born to 40-49	43	53	34	43	45	47	15
Births in last 5 years	95	117	76	127	97	107	18
Ideal family size	50	45	45	45	44	50	21
Births 1-4 years	99	125	-	138	111	117	16
Births 5-9 years	214	394	175	218	-	199	49
Children 0-4 years	95	118	-	130	97	113	15
Children 1-2 years	217	243	160	232	203	232	12
Children weighed	-	-	-	-	-	157	25
RATIO URBAN/RURAL							
Age at marriage	1.08	1.00	1.01	1.11	0.94	1.05	1.19
Children ever born	1.03	0.98	1.08	1.21	0.95	1.12	1.16
Children born to 40-49	1.28	1.06	1.24	1.29	1.00	1.16	1.04
Births in last 5 years	1.24	1.04	1.18	1.38	1.05	1.20	1.05
Ideal family size	0.95	1.01	1.05	1.11	0.83	0.96	0.78
Births 1-4 years	1.32	1.09	-	1.33	1.01	1.19	1.09
Births 5-9 years	1.24	1.08	1.16	1.35	-	1.15	1.08
Children 0-4 years	1.23	1.00	-	1.35	1.07	1.17	1.11
Children 1-2 years	1.28	1.02	1.08	1.70	0.99	1.18	1.47
Children weighed	-	-	-	-	-	1.20	1.25
Average ratio	1.18	1.03	1.12	1.31	0.98	1.14	1.12

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.18.5 Coefficient of Variation (cv) in percent of means for the total sample and for urban and rural domains: Latin America/Caribbean, DHS-I

Variable	Bolivia	Brazil	Colombia	Dominican Republic	Ecuador	El Salvador	Guatemala	Mexico	Peru	Trinidad &Tobago	Mean over countries	cv(cv)
TOTAL												
Age at marriage	22	20	22	21	22	21	21	23	21	20	21	12
Children ever born	104	124	123	121	111	90	98	115	114	111	96	18
Children born to 40-49	58	74	63	58	60	55	51	59	54	63	51	18
Births in last 5 years	125	146	157	153	138	130	111	140	136	151	116	19
Ideal family size	62	59	57	60	77	60	59	61	56	52	50	17
Births 1-4 years	137	159	168	162	152	140	115	160	154	171	128	19
Births 5-9 years	137	162	164	160	145	126	125	158	145	172	209	49
Children 0-4 years	126	150	154	157	136	130	114	144	139	156	120	17
Children 1-2 years	259	319	317	315	269	290	232	303	276	287	249	15
Children weighed	166	306	208	201	-	-	135	-	-	217	170	30
URBAN												
Age at marriage	21	20	22	22	22	21	21	23	21	20	22	15
Children ever born	109	124	126	126	116	92	104	119	118	111	102	18
Children born to 40-49	59	77	65	63	62	52	53	64	58	67	55	16
Births in last 5 years	139	153	163	161	148	148	128	155	164	161	128	18
Ideal family size	57	59	55	58	69	54	53	54	47	50	48	16
Births 1-4 years	152	160	175	170	166	162	141	170	181	172	140	18
Births 5-9 years	146	167	175	175	159	143	135	167	164	180	230	52
Children 0-4 years	144	149	163	168	148	150	128	153	165	157	131	17
Children 1-2 years	298	303	285	302	293	316	253	329	357	317	273	18
Children weighed	188	369	207	220	-	-	163	-	-	230	189	32
RURAL												
Age at marriage	23	21	23	20	21	21	20	22	21	20	21	12
Children ever born	91	117	108	109	101	80	91	104	109	111	91	16
Children born to 40-49	53	63	54	47	53	57	48	49	50	59	47	15
Births in last 5 years	104	133	142	133	119	112	99	122	127	151	107	18
Ideal family size	70	61	65	64	84	60	58	63	60	54	50	21
Births 1-4 years	110	143	153	146	133	126	105	130	138	166	117	16
Births 5-9 years	116	146	140	146	127	115	114	136	142	169	199	49
Children 0-4 years	107	134	144	139	122	116	102	124	135	156	113	15
Children 1-2 years	206	288	270	261	242	258	215	245	255	290	232	12
Children weighed	141	215	179	184	-	-	123	-	-	197	157	25
RATIO URBAN/RURAL												
Age at marriage	0.90	0.98	0.97	1.09	1.01	1.02	1.06	1.02	0.98	1.00	1.05	1.19
Children ever born	1.20	1.06	1.16	1.16	1.15	1.14	1.14	1.15	1.08	1.00	1.12	1.16
Children born to 40-49	1.12	1.23	1.20	1.35	1.17	0.91	1.11	1.31	1.16	1.15	1.16	1.04
Births in last 5 years	1.35	1.15	1.15	1.21	1.25	1.31	1.29	1.27	1.29	1.06	1.20	1.05
Ideal family size	0.81	0.98	0.84	0.90	0.83	0.90	0.91	0.85	0.78	0.93	0.96	0.78
Births 1-4 years	1.38	1.12	1.15	1.17	1.25	1.29	1.34	1.31	1.31	1.04	1.19	1.09
Births 5-9 years	1.26	1.15	1.25	1.20	1.26	1.25	1.18	1.22	1.16	1.06	1.15	1.08
Children 0-4 years	1.35	1.11	1.13	1.21	1.22	1.29	1.26	1.23	1.23	1.01	1.17	1.11
Children 1-2 years	1.45	1.05	1.06	1.15	1.21	1.22	1.18	1.34	1.40	1.09	1.18	1.47
Children weighed	1.33	1.72	1.15	1.20	-	-	1.33	-	-	1.17	1.20	1.25
Average ratio	1.21	1.15	1.11	1.16	1.15	1.15	1.18	1.19	1.16	1.05	1.14	1.12

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.18.6 Coefficient of Variation (cv) in percent of means for the total sample and for urban and rural domains: Latin America/Caribbean, DHS-II

Variable	Northeast Brazil	Colombia	Dominican Republic	Peru	Paraguay	Mean over countries	cv(cv)
TOTAL							
Age at marriage	23	22	22	21	22	21	12
Children ever born	119	123	114	121	115	96	18
Children born to 40-49	68	68	62	62	67	51	18
Births in last 5 years	153	156	152	151	133	116	19
Ideal family size	70	61	56	51	57	50	17
Births 1-4 years	165	175	167	165	147	128	19
Births 5-9 years	283	414	453	353	438	209	49
Children 0-4 years	157	155	151	143	131	120	17
Children 1-2 years	343	304	286	263	254	249	15
Children weighed	-	-	-	-	-	170	30
URBAN							
Age at marriage	23	21	22	21	22	22	15
Children ever born	123	122	114	123	112	102	18
Children born to 40-49	71	68	64	62	73	55	16
Births in last 5 years	170	168	159	166	141	128	18
Ideal family size	67	55	58	50	53	48	16
Births 1-4 years	186	180	187	176	155	140	18
Births 5-9 years	334	550	474	388	395	230	52
Children 0-4 years	172	169	163	175	149	131	17
Children 1-2 years	360	372	318	411	278	273	18
Children weighed	-	-	-	-	-	189	32
RURAL							
Age at marriage	24	23	21	20	21	21	12
Children ever born	109	115	103	94	106	91	16
Children born to 40-49	58	61	52	47	51	47	15
Births in last 5 years	130	149	135	105	120	107	18
Ideal family size	73	68	54	55	58	50	21
Births 1-4 years	142	161	144	110	127	117	16
Births 5-9 years	275	383	346	230	371	199	49
Children 0-4 years	133	148	138	105	119	113	15
Children 1-2 years	266	283	247	208	220	232	12
Children weighed	-	-	-	-	-	157	25
RATIO URBAN/RURAL							
Age at marriage	0.97	0.95	1.07	1.06	1.04	1.05	1.19
Children ever born	1.13	1.06	1.11	1.31	1.06	1.12	1.16
Children born to 40-49	1.21	1.11	1.23	1.34	1.43	1.16	1.04
Births in last 5 years	1.31	1.13	1.18	1.58	1.18	1.20	1.05
Ideal family size	0.92	0.80	1.07	0.91	0.92	0.96	0.78
Births 1-4 years	1.31	1.12	1.30	1.59	1.22	1.19	1.09
Births 5-9 years	1.22	1.43	1.37	1.69	1.06	1.15	1.08
Children 0-4 years	1.29	1.14	1.18	1.68	1.25	1.17	1.11
Children 1-2 years	1.35	1.31	1.29	1.98	1.27	1.18	1.47
Children weighed	-	-	-	-	-	1.20	1.25
Average ratio	1.19	1.12	1.20	1.46	1.16	1.14	1.12

Note: cv(cv) refers tothe variation in the population of variables for which mean values are estimated in the survey.

Table B.19.1 Coefficient of Variation (cv) in percent of means for subclasses and total sample: Sub-Saharan Africa, DHS-I

Variable	Bostswana	Burundi	Ghana	Kenya	Liberia	Mali	Nigeria (Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe	Mean over countries	cv(cv)
AGE AT MARRIAGE														
Age 15-24	15	11	14	14	16	-	14	30	18	14	14	14	14	11
Age 25-34	21	15	19	21	20	26	19	22	25	18	19	18	20	10
Age 35-49	28	19	21	24	27	19	19	19	28	22	21	24	23	11
No education	27	16	19	24	23	24	19	19	24	18	19	26	22	16
Primary not completed	24	15	18	19	20	39	19	37	24	20	17	19	20	11
Primary completed	20	18	16	15	19	-	16	18	20	19	18	15	18	10
Secondary or more	21	-	17	-	21	25	16	15	14	-	-	18	16	16
Working	-	-	-	-	-	-	-	-	-	-	-	-	21	14
Not working	-	-	-	-	-	-	-	-	-	-	-	-	20	14
Mean over subclasses	22	16	18	20	21	27	17	23	22	19	18	19	19	20
cv over total sample	24	16	19	21	23	28	18	23	25	19	19	20	21	11
CHILDREN EVER BORN														
Age 15-24	123	179	132	129	113	104	222	127	90	130	116	147	144	30
Age 25-34	56	57	56	51	60	53	46	56	62	55	53	55	66	17
Age 35-49	49	41	42	41	55	47	48	45	45	41	45	48	55	17
No education	71	94	71	54	82	76	52	85	64	74	76	62	72	13
Primary not completed	95	113	102	95	120	96	66	117	75	115	102	86	94	22
Primary completed	117	99	122	105	105	111	199	147	95	125	122	152	123	27
Secondary or more	82	-	95	-	91	56	100	168	88	-	-	-	108	28
Working	-	-	-	-	-	-	-	-	-	-	-	-	92	21
Not working	-	-	-	-	-	-	-	-	-	-	-	-	114	31
Mean over subclasses	85	97	88	79	89	78	105	106	74	90	86	98	95	40
cv over total sample	97	97	92	89	93	79	90	94	74	93	94	100	98	19
BIRTH IN LAST 5 YEARS														
Age 15-24	124	170	128	124	110	99	216	121	81	126	112	141	140	31
Age 25-34	80	57	64	66	74	63	56	65	63	63	64	69	84	20
Age 35-49	122	88	104	114	123	117	100	106	116	98	114	118	153	26
No education	91	-	86	94	96	89	90	88	88	84	88	86	110	20
Primary not completed	105	105	101	99	105	93	81	110	80	106	98	99	118	19
Primary completed	127	99	136	109	108	111	203	157	85	131	-	143	144	23
Secondary or more	125	-	137	-	128	63	110	148	86	-	-	142	139	27
Working	-	-	-	-	-	-	-	-	-	-	-	-	118	26
Not working	-	-	-	-	-	-	-	-	-	-	-	-	126	27
Mean over subclasses	111	104	108	101	106	91	122	114	85	101	95	114	126	30
cv over total sample	107	98	97	100	100	90	113	96	85	95	95	109	121	19
IDEAL FAMILY SIZE														
Age 15-24	48	40	38	39	49	45	35	43	54	46	38	40	45	15
Age 25-34	44	40	42	44	45	43	32	43	50	43	38	42	47	17
Age 35-49	44	42	42	45	47	45	34	47	51	45	40	43	54	20
No education	50	41	43	47	45	44	35	41	51	44	40	43	56	25
Primary not completed	45	39	34	41	49	45	31	43	49	38	38	42	50	22
Primary completed	42	38	36	36	42	30	34	39	46	34	33	40	42	16
Secondary or more	40	-	30	-	66	22	25	33	49	-	-	41	40	24
Working	-	-	-	-	-	-	-	-	-	-	-	-	50	17
Not working	-	-	-	-	-	-	-	-	-	-	-	-	50	16
Mean over subclasses	45	40	38	42	49	39	32	41	50	42	38	42	48	23
cv over total sample	48	41	43	45	49	45	35	44	53	45	40	46	51	17

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.19. 2 Coefficient of Variation (cv) in percent of means for subclasses and total sample: Sub-Saharan Africa, DHS-II

Variable	Burkina Faso	Cameroon	Madagascar	Namibia	Niger	Nigeria	Rwanda	Senegal	Tanzania	Zambia	Mean over countries	cv(cv)
AGE AT MARRIAGE												
Age 15-24	11	16	14	14	16	19	11	15	13	14	14	11
Age 25-34	14	22	21	21	17	24	16	20	21	18	20	10
Age 35-49	14	22	24	29	18	25	17	21	25	21	23	11
No education	13	18	23	31	16	24	16	17	23	21	22	16
Primary not completed	14	19	20	27	18	20	15	20	19	16	20	11
Primary completed	16	18	18	20	14	17	14	21	19	17	18	10
Secondary or more	16	16	15	20	10	17	11	11	15	15	16	16
Working	14	22	21	25	17	23	16	20	20	19	21	14
Not working	13	19	22	27	17	24	17	20	23	18	20	14
Mean over subclasses	14	19	20	24	16	22	15	18	20	18	19	20
cv over total sample	14	21	21	26	17	24	16	20	21	18	21	11
CHILDREN EVER BORN												
Age 15-24	122	124	135	152	115	137	191	146	128	126	144	30
Age 25-34	48	57	66	72	48	60	61	60	55	56	66	17
Age 35-49	38	55	57	55	45	49	38	45	45	41	55	17
No education	80	76	84	70	80	74	76	84	68	80	72	13
Primary not completed	111	90	98	110	109	95	121	131	109	99	94	22
Primary completed	155	131	120	123	142	156	152	146	161	122	123	27
Secondary or more	111	133	125	102	83	133	75	160	72	86	108	28
Working	79	78	98	91	76	75	99	82	90	84	92	21
Not working	95	123	124	122	90	123	243	109	115	121	114	31
Mean over subclasses	93	96	101	100	88	100	117	107	94	90	95	40
cv over total sample	87	95	103	111	84	91	104	96	97	101	98	19
BIRTH IN LAST 5 YEARS												
Age 15-24	113	118	128	150	107	130	188	140	124	123	140	31
Age 25-34	56	73	76	85	59	69	61	68	66	72	84	20
Age 35-49	98	132	122	128	113	120	88	106	115	115	153	26
No education	83	99	103	105	88	92	87	94	99	99	110	20
Primary not completed	101	96	101	119	94	99	115	131	100	100	118	19
Primary completed	162	129	125	129	138	149	148	164	159	120	144	23
Secondary or more	139	148	148	133	81	160	112	169	42	103	139	27
Working	84	95	104	114	90	91	100	100	96	94	118	26
Not working	92	120	122	125	90	122	248	108	114	115	126	27
Mean over subclasses	103	112	114	121	96	115	127	120	102	105	126	30
cv over total sample	88	105	108	121	90	102	106	104	102	104	121	19
IDEAL FAMILY SIZE												
Age 15-24	47	52	51	60	45	39	37	44	43	42	45	15
Age 25-34	42	52	47	55	35	40	40	42	40	37	47	17
Age 35-49	47	51	46	56	37	44	44	46	41	44	54	20
No education	44	46	45	53	39	43	45	42	41	44	56	25
Primary not completed	37	48	44	59	45	38	34	39	40	41	50	22
Primary completed	35	42	42	57	40	31	43	35	36	38	42	16
Secondary or more	35	31	27	61	22	28	33	27	22	47	40	24
Working	45	52	47	62	40	42	40	45	43	43	50	17
Not working	47	48	56	60	41	41	38	44	45	43	50	16
Mean over subclasses	42	47	45	58	38	39	40	40	39	42	48	23
cv over total sample	46	53	49	61	40	42	41	45	43	43	51	17

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.19.3 Coefficient of Variation (cv) in percent of means for subclasses and total sample: Asia/Near East/North Africa, DHS-I

Variable	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Mean over countries	cv(cv)
AGE AT MARRIAGE								
Age 15-24	13	16	-	12	13	11	14	11
Age 25-34	18	22	21	19	18	16	20	10
Age 35-49	23	25	25	25	22	24	23	11
No education	28	24	21	23	20	21	22	16
Primary not completed	21	21	21	21	19	17	20	11
Primary completed	19	18	18	21	17	16	18	10
Secondary or more	17	13	15	19	14	14	16	16
Working	-	-	-	-	-	-	21	14
Not working	-	-	-	-	-	-	20	14
Mean over subclasses	15	16	13	15	14	13	19	20
cv over total sample	20	23	22	22	19	19	21	11
CHILDREN EVER BORN								
Age 15-24	188	80	-	81	88	80	144	30
Age 25-34	81	59	61	59	59	58	66	17
Age 35-49	67	55	49	57	55	49	55	17
No education	73	70	72	68	66	60	72	13
Primary not completed	81	76	79	63	74	69	94	22
Primary completed	140	77	81	67	78	64	123	27
Secondary or more	122	75	96	68	72	66	108	28
Working	-	-	-	-	-	-	92	21
Not working	-	-	-	-	-	-	114	31
Mean over subclasses	84	55	49	52	55	50	95	40
cv over total sample	111	76	75	71	77	69	98	19
BIRTH IN LAST 5 YEARS								
Age 15-24	182	81	-	79	86	78	140	31
Age 25-34	107	90	71	85	104	64	84	20
Age 35-49	227	197	128	191	229	140	153	26
No education	189	143	94	133	137	98	110	20
Primary not completed	146	109	98	124	132	82	118	19
Primary completed	165	108	94	114	121	97	144	23
Secondary or more	165	103	111	110	122	92	139	27
Working	-	-	-	-	-	-	118	26
Not working	-	-	-	-	-	-	126	27
Mean over subclasses	131	92	66	93	103	72	126	30
cv over total sample	156	116	95	118	131	93	121	19
IDEAL FAMILY SIZE								
Age 15-24	48	38		35	40	34	45	15
Age 25-34	45	42	45	38	42	39	47	17
Age 35-49	56	47	48	41	49	46	54	20
No education	70	47	46	44	60	43	56	25
Primary not completed	52	45	41	41	44	37	50	22
Primary completed	51	39	51	38	42	31	42	16
Secondary or more	39	36	40	37	38	32	40	24
Working	-	-	-	-	-	-	50	17
Not working	-	-	-	-	-	-	50	16
Mean over subclasses	40	33	34	30	35	29	48	23
cv over total sample	52	45	47	41	47	42	51	17

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.19.4 Coefficient of Variation (cv) in percent of means for subclasses and total sample: Asia/Near East/North Africa, DHS-II

Variable	Egypt	Indonesia	Jordan	Morocco	Pakistan	Mean over countries	cv(cv)
AGE AT MARRIAGE							
Age 15-24	15	15	13	13	16	14	11
Age 25-34	21	21	19	20	21	20	10
Age 35-49	24	25	22	23	25	23	11
No education	21	23	21	20	23	22	16
Primary not completed	21	20	19	22	20	20	11
Primary completed	15	17	18	18	20	18	10
Secondary or more	14	14	14	15	16	16	16
Working	23	23	19	23	25	21	14
Not working	21	21	19	20	22	20	14
Mean over subclasses	19	20	18	19	21	19	20
cv over total sample	22	22	20	21	22	21	11
CHILDREN EVER BORN							
Age 15-24	87	82	92	248	98	144	30
Age 25-34	60	59	55	95	61	66	17
Age 35-49	52	55	42	58	46	55	17
No education	64	67	47	102	71	72	13
Primary not completed	63	75	56	165	74	94	22
Primary completed	70	79	76	207	73	123	27
Secondary or more	63	71	78	174	64	108	28
Working	72	73	76	140	68	92	21
Not working	70	77	70	124	73	114	31
Mean over subclasses	67	71	66	146	70	95	40
cv over total sample	71	75	71	127	73	98	19
BIRTH IN LAST 5 YEARS							
Age 15-24	80	83	86	244	93	140	31
Age 25-34	74	94	59	104	74	84	20
Age 35-49	161	197	120	134	138	153	26
No education	103	151	102	127	98	110	20
Primary not completed	109	115	93	192	95	118	19
Primary completed	97	107	79	237	99	144	23
Secondary or more	101	109	79	184	93	139	27
Working	110	132	93	168	99	118	26
Not working	102	110	86	145	98	126	27
Mean over subclasses	104	122	89	171	99	126	30
cv over total sample	104	119	87	150	98	121	19
IDEAL FAMILY SIZE							
Age 15-24	37	39	41	47	36	45	15
Age 25-34	44	41	42	46	43	47	17
Age 35-49	56	48	55	50	45	54	20
No education	51	48	57	47	41	56	25
Primary not completed	48	45	47	45	56	50	22
Primary completed	38	41	42	51	29	42	16
Secondary or more	55	32	41	37	-	40	24
Working	45	45	46	53	42	50	17
Not working	50	46	48	48	43	50	16
Mean over subclasses	47	43	46	47	37	48	23
cv over total sample	49	46	48	49	42	51	17

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.19.5 Coefficient of Variation (cv) in percent of means for subclasses and total sample: Latin America/Caribbean, DHS-I

Variable	Bolivia	Brazil	Colombia	Dominican Republic	Ecuador	El Salvador	Guatemala	Mexico	Peru	Trinidad &Tobago	Mean over countries	cv(cv)
AGE AT MARRIAGE												
Age 15-24	14	14	14	15	14	13	14	15	13	13	14	11
Age 25-34	19	18	19	22	20	18	20	21	19	18	20	10
Age 35-49	24	23	25	23	24	25	24	26	24	23	23	11
No education	25	22	27	23	25	23	21	25	22	28	22	16
Primary not completed	21	20	22	20	21	20	20	24	20	21	20	11
Primary completed	18	17	19	19	19	19	18	19	19	19	18	10
Secondary or more	18	18	19	18	20	16	15	15	18	17	16	16
Working	-	-	-	-	-	-	-	-	-	-	21	14
Not working	-	-	-	-	-	-	-	-	-	-	20	14
Mean over subclasses	20	19	21	20	20	19	19	21	19	20	19	20
cv over total sample	22	21	22	21	22	21	21	23	21	20	21	11
CHILDREN EVER BORN												
Age 15-24	168	189	186	175	173	140	144	181	192	188	144	30
Age 25-34	66	85	81	76	72	59	61	75	76	81	66	17
Age 35-49	59	75	67	60	62	59	52	63	56	67	55	17
No education	67	78	75	81	73	68	75	67	61	73	72	13
Primary not completed	89	113	98	104	91	90	102	90	88	81	94	22
Primary completed	130	153	144	151	131	116	136	149	135	140	123	27
Secondary or more	95	117	148	135	119	110	134	153	133	122	108	28
Working	-	-	-	*	-	-	-	-	-	*	92	21
Not working	-	-	-		-	*	-	-	-	-	114	31
Mean over subclasses	96	116	114	112	103	92	101	111	106	107	95	40
cv over total sample	103	124	122	121	111	89	97	114	113	111	98	19
BIRTH IN LAST 5 YEARS												
Age 15-24	166	182	185	173	168	140	140	175	188	182	140	31
Age 25-34	80	104	110	101	92	95	76	95	95	107	84	20
Age 35-49	140	166	197	209	161	179	118	176	153	227	153	26
No education	104	102	139	122	103	115	85	113	101	189	110	20
Primary not completed	109	138	141	145	119	130	117	125	124	146	118	19
Primary completed	154	182	175	170	164	161	174	174	164	165	144	23
Secondary or more	152	173	194	163	151	180	160	183	188	165	139	27
Working	-	-	-	-	-	-	-	-	-	-	118	26
Not working	-	-	-	-	-	-	-	-	*	-	126	27
Mean over subclasses	129	150	163	155	137	143	124	149	145	169	126	30
cv over total sample	124	144	156	151	135	132	109	142	141	156	121	19
IDEAL FAMILY SIZE												
Age 15-24	53	49	42	40	66	46	52	50	47	48	45	15
Age 25-34	55	58	52	52	72	52	58	52	51	45	47	17
Age 35-49	67	66	66	74	81	62	58	68	59	56	54	20
No education	72	74	77	75	84	61	56	73	65	70	56	25
Primary not completed	67	60	59	64	86	55	56	56	60	52	50	22
Primary completed	52	44	45	47	51	37	41	41	45	51	42	16
Secondary or more	44	51	39	44	45	37	62	43	46	39	40	24
Working	*	-	-	-	-	-	-	-	-	-	50	17
Not working	*	-	*	-	-	-	-	-	*	-	50	16
Mean over subclasses	59	57	54	57	69	50	54	55	53	52	48	23
cv over total sample	62	59	58	60	77	60	58	61	56	52	51	17

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.19.6 Coefficient of Variation (cv) in percent of means for subclasses and total sample: Latin/America/Caribbean, DHS-II

Variable	Northeast Brazil	Colombia	Dominican Republic	Peru	Paraguay	Mean over countries	cv(cv)
AGE AT MARRIAGE							
Age 15-24	14	13	15	13	13	14	11
Age 25-34	19	19	22	19	19	20	10
Age 35-49	26	25	25	23	25	23	11
No education	26	27	22	21	27	22	16
Primary not completed	22	22	21	20	22	20	11
Primary completed	21	20	19	19	20	18	10
Secondary or more	20	18	17	18	19	16	16
Working	24	23	23	21	23	21	14
Not working	23	21	21	21	21	20	14
Mean over subclasses	22	21	21	20	21	19	20
cv over total sample	23	22	22	21	22	21	11
CHILDREN EVER BORN							
Age 15-24	191	188	179	200	173	144	30
Age 25-34	82	81	73	81	78	66	17
Age 35-49	70	73	63	64	69	55	17
No education	76	78	75	55	80	72	13
Primary not completed	123	98	97	83	100	94	22
Primary completed	143	131	134	127	125	123	27
Secondary or more	107	130	115	136	117	108	28
Working	116	121	109	97	117	92	21
Not working	122	124	116	121	112	114	31
Mean over subclasses	114	114	107	107	108	95	40
cv over total sample	120	123	114	119	115	98	19
BIRTH IN LAST 5 YEARS							
Age 15-24	188	184	176	196	170	140	31
Age 25-34	103	114	104	101	94	84	20
Age 35-49	187	220	234	165	148	153	26
No education	128	142	120	103	123	110	20
Primary not completed	156	150	154	119	121	118	19
Primary completed	184	169	162	163	158	144	23
Secondary or more	181	183	151	188	154	139	27
Working	164	181	163	122	151	118	26
Not working	147	151	150	152	122	126	27
Mean over subclasses	160	166	157	145	138	126	30
cv over total sample	155	162	154	149	133	121	19
IDEAL FAMILY SIZE							
Age 15-24	46	53	47	49	45	45	15
Age 25-34	65	55	52	46	55	47	17
Age 35-49	81	64	65	56	57	54	20
No education	88	73	61	60	68	56	25
Primary not completed	65	67	59	54	58	50	22
Primary completed	49	48	48	52	49	42	16
Secondary or more	41	44	61	44	43	40	24
Working	69	57	63	58	58	50	17
Not working	71	62	54	52	57	50	16
Mean over subclasses	64	58	57	52	54	48	23
cv over total sample	70	60	57	53	57	51	17

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.19.7 Coefficient of variation (cv) in percent of means for subclasses and total sample: minimum and maximum values

Variable	cv of mean cv	Minimum value	Maximum value	Number of cases
AGE AT MARRIAGE				
Age 15-24	-	11	30	46
Age 25-34	-	14	26	48
Age 35-49	-	14	29	48
No education	-	13	31	48
Primary not completed	-	14	39	48
Primary completed	-	14	21	47
Secondary or more	-	10	25	44
Working	-	14	25	20
Not working	-	13	27	20
Mean over subclasses	11	14	27	369
cv over total sample	-	14	28	48
CHILDREN EVER BORN				
Age 15-24	-	80	248	47
Age 25-34	-	46	95	48
Age 35-49	-	38	75	48
No education	-	47	102	48
Primary not completed	-	56	165	48
Primary completed	-	64	207	48
Secondary or more	-	56	174	44
Working	-	68	140	20
Not working	-	70	243	20
Mean over subclasses	19	64	146	371
cv over total sample	-	69	127	48
BIRTH IN LAST 5 YEARS				
Age 15-24	-	78	244	47
Age 25-34	-	56	114	48
Age 35-49	-	88	234	48
No education	-	83	189	47
Primary not completed	-	80	192	48
Primary completed	-	79	237	47
Secondary or more	-	42	194	44
Working	-	84	181	20
Not working	-	86	248	20
Mean over subclasses	19	85	171	369
cv over total sample	-	85	162	48
IDEAL FAMILY SIZE				
Age 15-24	-	34	66	47
Age 25-34	-	32	72	48
Age 35-49	-	34	81	48
No education	-	35	88	48
Primary not completed	-	31	86	48
Primary completed	-	29	57	48
Secondary or more	-	22	66	43
Working	-	40	69	20
Not working	-	38	71	20
Mean over subclasses	17	32	69	370
cv over total sample	-	35	77	48

Table B.20.1 Coefficient of variation (cv) in percent of means for regions and total sample: Sub-Saharan Africa, DHS-I

Variable and region	Botswana	Burundi	Ghana	Kenya	Liberia	Mali	Nigeria (Ondo)	Senegal	Sudan	Togo	Uganda	Zimbabwe	Mean over countries	cv(cv)
AGE AT MARRIAGE														
Region 1	-	18	21	20	22	30	19	30	26	19	22	17	21	14
Region 2	-	16	16	20	21	16	18	17	26	19	18	20	20	13
Region 3	-	17	20	22	21	37	18	15	25	19	19	18	21	18
Region 4	-	16	20	19	23	29	-	19	25	21	21	21	21	12
Region 5	-	16	20	20	-	-	-	-	24	13	18	27	21	14
Region 6	-	-	18	23	-	-	-	-	23	-	20	19	21	9
Region 7	-	-	19	19	-	-	-	-	-	-	-	20	21	11
Region 8	-	-	17	-	-	-	-	-	-	-	-	19	19	7
Region 9	-	-	-	-	-	-	-	-	-	-	-	19	21	10
Region 10	-	-	-	-	-	-	-	-	-	-	-	19	19	0
Mean over regions	-	16	19	21	23	28	18	20	25	18	20	20	21	14
cv over total sample	24	16	19	21	23	28	18	23	25	19	19	20	21	11
CHILDREN EVER BORN														
Region 1	-	91	91	100	91	77	93	103	80	102	80	97	95	18
Region 2	-	103	84	92	82	78	88	86	73	90	91	91	91	19
Region 3	- -		109	90	101	81	92	95	77	83	94	96	93	19
Region 4	-	99	97	89	91	93	-	88	74	88	88	93	92	18
Region 5	-	85	94	84	-	-	-	-	70	79	97	98	92	20
Region 6	-	-	97	84	-	-	-	-	69	-	110	108	94	19
Region 7	-	-	83	86	-	-	-	-	-	-	-	104	90	14
Region 8	-	-	75	-	-	-	-	-	-	-	-	105	98	14
Region 9	-	-	-	-	-	-	-	-	-	-	-	103	108	5
Region 10	-	-	-	-	-	-	-	-	-	-	-	102	102	0
Mean over regions	-	96	91	89	91	82	91	93	74	88	93	100	93	18
cv over total sample	97	97	92	89	93	79	90	94	74	93	94	100	94	17
BIRTH IN LAST 5 YEARS														
Region 1	-	99	96	115	101	90	113	106	97	111	86	101	121	20
Region 2	-	101	93	109	88	85	114	86	94	94	95	101	116	21
Region 3	-	98	121	107	111	93	109	98	80	78	93	105	113	21
Region 4	-	99	99	95	96	103	-	92	84	87	89	104	109	20
Region 5	-	87	95	97	-	-	-	-	81	68	98	106	108	23
Region 6	-	-	106	96	-	-	-	-	78	-	108	111	112	18
Region 7	-	-	84	91	-	-	-	-	-	-	-	113	105	10
Region 8	-	-	74	-	-	-	-	-	-	-	-	110	115	23
Region 9	-	-	-	-	-	-	-	-	-	-	-	114	133	14
Region 10	-	-	-	-	-	-	-	-	-	-	-	125	125	0
Mean over regions	-	97	96	101	99	93	112	96	86	87	95	109	114	21
cv over total sample	107	98	97	100	100	90	113	96	85	95	95	109	115	19
												-		
IDEAL FAMILY SIZE												-		
Region 1	-	47	38	37	41	42	33	43	49	42	37	45	46	17
Region 2	-	37	29	37	51	47	34	40	52	43	38	46	47	20
Region 3	-	36	43	55	49	37	43	42	52	40	37	46	50	23
Region 4	-	40	31	42	47	41	-	47	53	43	46	41	47	19
Region 5	-	43	40	39	-	-	-	-	54	40	40	46	51	21
Region 6	-	-	38	45	-	-	-	-	43	-	41	48	51	23
Region 7	-	-	37	43	-	-	-	-	-	-	-	48	48	18
Region 8	-	-	41	-	-	-	-	-	-	-	-	42	53	22
Region 9	-	-	-	-	-	-	-	-	-	-	-	40	51	22
Region 10	-	-	-	-	-	-	-	-	-	-	-	46	46	0
Mean over regions	-	41	37	43	47	42	37	43	51	42	40	45	48	21
cv over total sample	48	41	43	45	49	45	35	44	53	45	40	46	50	18

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.20.2 Coefficient of variation (cv) in percent of means for regions and total sample: Asia/Near East/North Africa, DHS-I

Variable and region	Egypt	Indonesia	Morocco	Sri Lanka	Thailand	Tunisia	Mean over countries	cv(cv)
AGE AT MARRIAGE								
Region 1	22	23	21	20	18	19	21	14
Region 2	22	21	22	21	18	19	20	13
Region 3	21	20	24	23	19	20	21	18
Region 4	24	-	22	22	21	19	21	12
Region 5	21	-	20	21	21	19	21	14
Region 6	-	-	18	23	*	19	21	9
Region 7	-	-	21	20	*	-	21	11
Region 8	-	-	*	-	-	-	19	7
Region 9	-	-	-	-	-	-	21	10
Region 10	-	-	-	-	-	-	19	0
Mean over regions	22	22	21	22	20	19	21	14
cv over total sample	23	23	22	22	19	19	21	11
CHILDREN EVER BORN								
Region 1	69	77	76	71	84	66	95	18
Region 2	66	71	74	67	73	66	91	19
Region 3	69	71	75	72	75	64	93	19
Region 4	69	*	75	70	70	69	92	18
Region 5	73	-	74	72	82	71	92	20
Region 6	-	-	72	68	-	68	94	19
Region 7	-	-	77	69	-	-	90	14
Region 8	-	-	-	-	-	-	98	14
Region 9	-	-	-	-	-	-	108	5
Region 10	-	-	-	-	-	-	102	0
Mean over regions	69	73	75	70	77	67	93	18
cv over total sample	71	76	75	71	77	69	94	17
BIRTH IN LAST 5 YEARS								
Region 1	114	120	89	129	130	101	121	20
Region 2	104	106	94	124	131	102	116	21
Region 3	92	98	99	117	142	89	113	21
Region 4	106	-	95	122	113	79	109	20
Region 5	91	-	85	113	135	94	108	23
Region 6	-	-	90	116	-	88	112	18
Region 7	-	-	103	107	-	-	105	10
Region 8	-	-	-	-	-	-	115	23
Region 9	-	-	-	-	-	-	133	14
Region 10	-	-	-	-	-	-	125	0
Mean over regions	101	108	94	118	130	92	114	21
cv over total sample	100	116	95	118	131	93	115	19
IDEAL FAMILY SIZE								
Region 1	42	39	40	42	55	37	46	17
Region 2	36	46	39	41	42	38	47	20
Region 3	45	35	50	41	50	37	50	23
Region 4	43	-	50	37	38	38	47	19
Region 5	52	-	48	43	54	44	51	21
Region 6	-	-	39	40	-	45	51	23
Region 7	-	-	43	39	-	-	48	18
Region 8	-	-	-	-	-	-	53	22
Region 9	-	-	-	-	-	-	51	22
Region 10	-	-	-	-	-	-	46	0
Mean over regions	43	40	44	40	48	40	48	21
cv over total sample	48	45	47	41	47	42	50	18

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Table B.20.3 Coefficient of variation (cv) in percent of means for regions and total sample: Latin America/Caribbean, DHS-I

Variable and region	Bolivia	Brazil	Colombia	Dominican Republic	Ecuador	El Salvador	Guatemala	Mexico	Peru	Trinidad &Tobago	Mean over countries	cv(cv)
AGE AT MARRIAGE												
Region 1	22	20	22	22	21	19	21	20	20	20	21	14
Region 2	21	19	22	20	19	23	21	27	23	20	20	13
Region 3	21	20	22	20	21	20	20	22	21	.	21	18
Region 4	-	20	22	22	22	-	21	24	19	-	21	12
Region 5	-	23	21	21	23	-	21	22	-	-	21	14
Region 6	-	20	-	22	21	-	20	23	-	.	21	9
Region 7	-	-	-	20	-	-	19	26	-	.	21	11
Region 8	-	-	-	20	-	-	-	21	-	-	19	7
Region 9	-	-	-	-	-	-	-	23	-	-	21	10
Region 10	-	-	-	-	-	-	-	-	-	.	19	0
Mean over regions	21	20	22	21	21	21	21	23	21	20	21	14
cv over total sample	22	21	22	21	22	21	21	23	21	20	21	11
CHILDREN EVER BORN												
Region 1	104	116	112	122	117	90	111	115	122	111	95	18
Region 2	104	118	122	117	114	93	91	105	114	111	91	19
Region 3	97	116	127	129	100	81	91	124	102	-	93	19
Region 4	-	120	119	119	114	-	89	105	102	-	92	18
Region 5	-	121	118	108	113	-	84	126	-	-	92	20
Region 6	-	116	-	112	102	-	101	114	-	-	94	19
Region 7	-	-	-	98	-	-	99	105	-	-	90	14
Region 8	-	-	-	110	-	-	-	104	-	.	98	14
Region 9	-	-	-	-	-	-	-	114	-	-	108	5
Region 10	-	-	-	-	-	-	-	-	-	-	102	0
Mean over regions	102	118	120	114	110	88	95	112	110	111	93	18
cv over total sample	103	124	122	121	111	89	97	114	113	111	94	17
BIRTH IN LAST 5 YEARS												
Region 1	126	157	135	158	146	141	137	143	169	161	121	20
Region 2	122	146	167	153	146	148	105	133	147	153	116	21
Region 3	123	146	166	167	119	111	98	158	121	-	113	21
Region 4	-	147	151	141	148	-	91	136	113	-	109	20
Region 5	-	128	157	128	141	-	85	149	-	-	108	23
Region 6	-	147	-	146	121	-	117	127	-	-	112	18
Region 7	-	-	-	119	-	-	109	110	-	.	105	10
Region 8	-	-	-	142	-	-	-	134	-	-	115	23
Region 9	-	-	-	-	-	-	-	152	-	-	133	14
Region 10	-	-	-	-	-	-	-		-	-	125	0
Mean over regions	124	145	155	144	137	134	106	138	138	157	114	21
cv over total sample	124	144	156	151	135	132	109	142	141	156	115	19
IDEAL FAMILY SIZE												
Region 1	67	60	56	58	46	52	53	48	47	51	46	17
Region 2	55	54	55	55	72	57	55	59	55	53	47	20
Region 3	56	56	65	63	87	58	56	51	61	-	50	23
Region 4	-	59	48	60	63	-	51	63	62	-	47	19
Region 5	-	64	47	60	78	-	61	67	-	.	51	21
Region 6	-	60	-	58	79	-	60	61	-	-	51	23
Region 7	-	-	-	62	-	-	58	57	-	.	48	18
Region 8	-	-	.	64	-	-	-	66	-	.	53	22
Region 9	-	-	-	-	-	-	-	62	-	.	51	22
Region 10	-	-	-	-	-	-	-	-	-	.	46	0
Mean over regions	59	59	54	60	71	56	56	59	56	52	48	21
cv over total sample	62	59	58	60	77	60	58	61	56	52	50	18

Note: cv(cv) refers to the variation in the population of variables for which mean values are estimated in the survey.

Appendix C

Summary of DHS-I, DHS-II, and DHS-III Surveys, 1985-1996

Region and Country	Date of Fieldwork	Implementing Organization	Respondents	Sample Size	Male/Husband Survey	Supplemental Studies, Modules, and Additional Questions
SUB-SAHARAN AFRICA						
DHS-I						
Botswana	Aug-Dec 1988	Central Statistics Office	AW 15-49	4,368		AIDS, PC, adolescent fertility
Burundi	Apr-Jul 1987	Département de la Population, Ministère de l'Intérieur	AW 15-49	3,970	542 Husbands	CA, SAI, adult mortality
Ghana	Feb-May 1988	Ghana Statistical Service	AW 15-49	4,488	943 Husbands	CA, SM, WE
Kenya	Dec-May 1988/89	National Council for Population and Development	AW 15-49	7,150	1,133 Husbands	
Liberia	Feb-Jul 1986	Bureau of Statistics, Ministry of Planning and Economic Affairs	AW 15-49	5,239		TBH, employment status
Mali	Mar-Aug 1987	Institut du Sahel, USED/CERPOD	AW 15-49	3,200	970 Men 20-55	CA, VC, childhood physical handicaps
Ondo State, Nigeria	Sep-Jan 1986/87	Ministry of Health, Ondo State	AW 15-49	4,213		CA, TBH
Senegal	Apr-Jul 1986	Direction de la Statistique, Ministère de l'Economie et des Finances	AW 15-49	4,415		CA, CD
Sudan	Nov-May 1989/90	Department of Statistics, Ministry of Economic and National Planning	EMW 15-49	5,860		FC, M, MM
Togo	Jun-Nov 1988	Unité de Recherche Démographique, Université du Benin	AW 15-49	3,360		CA, SAI, marriage history
Uganda	Sep-Feb 1988/89	Ministry of Health	AW 15-49	4,730		CA, SAI
Zimbabwe	Sep-Jan 1988/89	Central Statistical Office	AW 15-49	4,201		AIDS, CA, PC, SAI, WE
DHS-II						
Burkina Faso	Dec-Mar 1992/93	Institut National de la Statistique et de la Démographie	AW 15-49	6,354	1,845 Men 18+	AIDS, CA, MA, SAI
Cameroon	Apr-Sep 1991	Direction Nationale du Deuxiême Recensement Général de la Population et de l'Habitat	AW 15-49	3,871	814 Husbands	CA, CD, SAI
Madagascar	May-Nov 1992	Centre National de Recherches sur l'Environement	AW 15-49	6,260		CA, MM, SAI
Malawi	Sep-Nov 1992	National Statistical Office	AW 15-49	4,850	1,151 Men 20-54	AIDS, CA, MA, MM, SAI
Namibia	Jul-Nov 1992	Ministry of Health and Social Services, Central Statistical Office	AW 15-49	5,421		CA, CD, MA, MM
Niger	Mar-Jun 1992	Direction de la Statistique et des Comtes Nationaux	AW 15-49	6,503	1,570 Husbands	CA, MA, MM, SAI
Nigeria	Apr-Oct 1990	Federal Office of Statistics	AW 15-49	8,781		CA, SAI
Rwanda	Jun-Oct 1992	Office National de la Population	AW 15-49	6,551	598 Husbands	CA
Senegal	Nov-Aug 1992/93	Direction de la Prévision et de la Statistique	AW 15-49	6,310	1,436 Men 20+	AIDS, CA, MA, MM, SAI
Tanzania	Oct-Mar 1991/92	Bureau of Statistics, Planning Commission	AW 15-49	9,238	2,114 Men 15-60	AIDS, CA, MA, SAI
Zambia	Jan-May 1992	University of Zambia	AW 15-49	7,060		AIDS, CA, MA
DHS-III						
Benin	Jun-Aug 1996	Institut National de la Statistique	AW 15-49	5,491	1,535 Men 20-64	AIDS, CA, MA, MM, SAI
Central African Republic	Sep-Mar 1994/95	Direction des Statistiques Démographiques et Sociales	AW 15-49	5,884	1,729 Men 15-59	AIDS, CA, CD, MA, MM, SAI
Comoros	Mar-May 1996	Centre National de Documentation et de la Recherche Scientifique	AW 15-49	3,050	795 Men 15-64	CA, MA

Côte d'Ivoire	Jun-Nov 1994	Institut National de la Statistique	AW 15-49	8,099	2,552 Men 15-59	CA, MA, SAI
Eritrea	Sep-Jan 1995/96	National Statistics Office	AW 15-49	5,054	1,114 Men 15-59	AIDS, CA, MA, MM, SAI
Ghana	Sep-Dec 1993	Ghana Statistical Service	AW 15-49	4,562	1,302 Men 15-59	CA, MA
Kenya	Feb-Aug 1993	National Council for Population and Development	AW 15-49	7,540	2,336 Men 15-54	AIDS, CA, MA, SAI
Malawi (KAP)[a]	Jun-Oct 1996	National Statistical Office	AW 15-49	2,683	2,658 Men 15-54	AIDS
Mali	Nov-Apr 1995/96	CPS/MSSPA et DNSI	AW 15-49	9,704	2,474 Men 15-59	AIDS, CA, MA, MM, SAI
Tanzania (KAP)[a]	Jun-Sep 1994	Bureau of Statistics, Planning Commission	AW 15-49	4,225	2,097 Men 15-59	AIDS, PC
Tanzania (In-depth)	Jun-Oct 1995	Bureau of Statistics, Planning Commission	AW 15-49	2,130		Adult and childhood mortality estimation
Tanzania	Jul-Nov 1996	Bureau of Statistics, Planning Commission	AW 15-49	8,120	2,256 Men 15-59	AIDS, CA, MA, MM
Uganda	Mar-Aug 1995	Statistics Department, Ministry of Finance and Economic Planning	AW 15-49	7,070	1,996 Men 15-59	AIDS, CA, MA, MM, SAI
Uganda (In-depth)	Oct-Jan 1995/96	Institute of Statistics and Applied Economics, Makerere University	AW 20-44	1,750	1,356 Partners	Negotiating reproductive outcomes
Zambia	Jul-Jan 1996/97	Central Statistics Office	AW 15-49	8,021	1,849 Men 15-59	AIDS, CA, MA, MM
Zimbabwe	Jul-Nov 1994	Central Statistical Office	AW 15-49	6,128	2,141 Men 15-54	AIDS, CA, MA, MM, PC, SAI
NEAR EAST/NORTH AFRICA						
DHS-I						
Egypt	Oct-Jan 1988/89	National Population Council	EMW 15-49	8,911		CA, CD, MM, PC, SAI, WE, WS
Morocco	May-Jul 1987	Ministère de la Santé Publique	EMW 15-49	5,982		CA, CD, S
Tunisia	Jun-Oct 1988	Office National de la Famille et de la Population	EMW 15-49	4,184		CA, S, SAI
DHS-II						
Egypt	Nov-Dec 1992	National Population Council	EMW 15-49	9,864	2,466 Husbands	CA, MA, PC, SM
Jordan	Oct-Dec 1990	Department of Statistics, Ministry of Health	EMW 15-49	6,461		CA, SAI
Morocco	Jan-Apr 1992	Ministère de la Santé Publique	AW 15-49	9,256	1,336 Men 20-70	CA, MA, MM, SAI
Yemen	Nov-Jan 1991/92	Central Statistical Organization	EMW 15-49	5,687		CA, CD, SAI
DHS-III						
Egypt	Nov-Jan 1995/96	National Population Council	EMW 15-49	14,779		CA, FC, MA, WS
Morocco (Panel)	Apr-May 1995	Ministère de la Santé Publique	AW 15-49	4,753		
ASIA						
DHS-I						
Indonesia	Sep-Dec 1987	Central Bureau of Statistics, National Family Planning Coordinating Board	EMW 15-49	11,884		PC, SM
Nepal (In-depth)	Feb-Apr 1987	New Era	CMW 15-49	1,623		KAP-gap survey
Sri Lanka	Jan-Mar 1987	Department of Census and Statistics, Ministry of Plan Implementation	EMW 15-49	5,865		CA, NFP
Thailand	Mar-Jun 1987	Institute of Population Studies Chulalongkorn University	EMW 15-49	6,775		CA, S, SAI
DHS-II						
Indonesia	May-Jul 1991	Central Bureau of Statistics, NFPCB/MOH	EMW 15-49	22,909		PC, SM
Pakistan	Dec-May 1990/91	National Institute of Population Studies	EMW 15-49	6,611	1,354 Husbands	CA
DHS-III						
Bangladesh	Nov-Mar 1993/94	Mitra & Associates/NIPORT	EMW 12-49	9,640	3,284 Husbands	PC, SAI, SM
Indonesia	Jul-Nov 1994	Central Bureau of Statistics/ NFPCB/MOH	EMW 15-49	28,168		MM, PC, SAI, SM

Kazakstan	May-Aug 1995	National Institute of Nutrition/ Academy of Preventive Medicine	AW 15-49	3,771		CA, MA
Nepal	Jan-Jun 1996	Ministry of Health/New ERA	EMW 15-49	8,429		CA, MA, MM
Philippines	Apr-Jun 1993	National Statistics Office	AW 15-49	15,029		MM, SAI
Turkey	Aug-Oct 1993	General Directorate of MCH/FP, Ministry of Health	EMW <50	6,519		CA, MA
Uzbekistan	Jun-Sep 1996	Research Institute of Obstetrics and Gynecology	AW 15-49	4,415		CA, MA
LATIN AMERICA/CARIBBEAN						
DHS-I						
Bolivia	Feb-Jul 1989	Instituto Nacional de Estadística	AW 15-49	7,923		CA, CD, MM, PC, S, WE
Bolivia (In-depth)	Feb-Jul 1989	Instituto Nacional de Estadística	AW 15-49	7,923		Health
Brazil	May-Aug 1986	Sociedade Civil Bem-Estar Familiar no Brasil	AW 15-44	5,892		CA, S, SM, abortion, young adult use of contraception
Colombia	Oct-Dec 1986	Corporación Centro Regional de Población, Ministerio de Salud	AW 15-49	5,329		CA, PC, S, SAI, SM
Dominican Republic	Sep-Dec 1986	Consejo Nacional de Población y Familia	AW 15-49	7,649		CA, NFP, S, SAI, family planning communication
Dominican Republic (Experimental)	Sep-Dec 1986	Consejo Nacional de Población y Familia	AW 15-49	3,885		S, SAI
Ecuador	Jan-Mar 1987	Centro de Estudios de Población y Paternidad Responsable	AW 15-49	4,713		CD, SAI, employment
El Salvador	May-Jun 1985	Asociación Demográfica Salvadoreña	AW 15-49	5,207		CA, S, TBH
Guatemala	Oct-Dec 1987	Instituto de Nutrición de Centro América y Panamá	AW 15-44	5,160		CA, S, SAI
Mexico	Feb-May 1987	Dirección General de Planificación Familiar, Secretaría de Salud	AW 15-49	9,310		NFP, S, employment
Peru	Sep-Dec 1986	Instituto Nacional de Estadística	AW 15-49	4,999		NFP, employment, cost of family planning
Peru (Experimental)	Sep-Dec 1986	Instituto Nacional de Estadística	AW 15-49	2,534		
Trinidad and Tobago	May-Aug 1987	Family Planning Association of Trinidad and Tobago	AW 15-49	3,806		CA, NFP, breastfeeding
DHS-II						
Brazil (NE)	Sep-Dec 1991	Sociedade Civil Bem-Estar Familiar no Brasil	AW 15-49	6,222	1,266 Husbands	AIDS, PC
Colombia	May-Aug 1990	PROFAMILIA	AW 15-49	8,644		AIDS
Dominican Republic	Jul-Nov 1991	Instituto de Estudios de Población y Desarrollo (PROFAMILIA), Oficina Nacional de Planificación	AW 15-49	7,320		CA, MA, S, SAI
Paraguay	May-Aug 1990	Centro Paraguayo de Estudios de Población	AW 15-49	5,827		CA, SAI
Peru	Oct-Mar 1991/92	Instituto Nacional de Estadística e Informática	AW 15-49	15,882		CA, MA, MM, SAI
DHS-III						
Bolivia	Nov-May 1993/94	Instituto Nacional de Estadística	AW 15-49	8,603[b]		AIDS, CA, CD, MA, MM, S, SAI
Brazil	Mar-Jun 1996	Sociedade Civil Bem-Estar Familiar no Brasil	AW 15-49	12,612	2,949 Men 15-59	AIDS, CA, MA, MM, PC, S
Colombia	Mar-Jun 1995	PROFAMILIA	AW 15-49	11,140		AIDS, CA, MA, PC
Dominican Republic	Sep-Dec 1996	CESDEM/PROFAMILIA	AW 15-49	8,422	2,279 Men 15-64	CA, MA
Guatemala	Jun-Dec 1995	Instituto Nacional de Estadística	AW 15-49	12,403		AIDS, CA, MA, MM, S
Haiti	Jul-Jan 1994/95	Institut Haitien de l'Enfance	AW 15-49	5,356	1,610 Men 15-59	AIDS, CA, CD, MA, SAI
Peru	Aug-Nov 1996	Instituto Nacional de Estadística e Informática	AW 15-49	28,951	2,487 Men 15-59	CA, MA, MM

[a] No health or birth history section in questionnaire.
[b] Household questionnaire was administered in 26,144 households.

AIDS	acquired immune deficiency syndrome
AW	all women
CA	child anthropometry
CD	causes of death (verbal reports of symptoms)
CMW	currently married women
EMW	ever-married women
FC	female circumcision
M	migration
MA	maternal anthropometry
MM	maternal mortality
NFP	natural family planning
PC	pill compliance
S	sterilization
SAI	service availability information
SM	social marketing
TBH	truncated birth history
VC	value of children
WE	women's employment
WS	women's status

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