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Technical notes on child mortality calculation in DHS surveys

The purpose of these technical notes is to make observations on the direct estimation of child mortality in the surveys. These technical notes will focus on two points. However, before discussing them in detail, it would be appropriate to recall in general terms the principle of estimation and structure of the SPSS program for the calculation of child mortality.

1. Principle of estimation and structure of the program for child mortality calculation in DHS surveys

- **Principe of estimation**

The children are divided into age segments of 0, 1-2, 3-5, 6-11, 12-23, 24-35, 36-47, 48-59 months. These segments will be used to calculate the components of child mortality. The probability of death of each component will thus be defined by a segment and a period of time, generally 0-4, 5-9, 10-14, 15-19 years preceding the survey. On the basis of these parameters, three (3) cohorts of children are so identified. One cohort is completely included in the calculations and the other 2 are partially included.

- **Structure of the program**

The program for calculating the mortality is articulated around 3 files of syntaxes. The "U5mort DHS_E.sps" file generates the exposures (denominators of the rates), the "U5mort DHS_D.sps" file calculates the deaths and the file "U5mort DHS_C.sps" produces the rates of mortality by combining the 2 files E and D.

- U5mort DHS_E.sps: generates exposure sub-files corresponding to different age segments defined. The subfiles exposd11, exposd21, exposd31, exposd41, exposd51, exposd61, exposd71 and exposd81 represent the complete exposures for segments 0, 1-2, 3-5, 6-11, 12-23, 24-35, 36-47 , 48-59 months. The subfiles exposd12, exposd22, exposd32, exposd42, exposd52, exposd62, exposd72 and exposd82 are the incomplete exposures for segments 0, 1-2, 3-5, 6-11, 12-23, 24-35, 36-47, 48-59 months. Incomplete exposures are calculated by taking half of the incomplete observations, that is, truncated. All subfiles are finally combined into a single data file called "EXPOSURE" containing the exposures by period and age segments.

- U5mort DHS_E.sps: This program produces two subfiles tmp1 and tmp2 combined in deaths by age segment and period. Tmp1 represents complete deaths and temp2 are deaths occurring among incomplete or truncated observations. Tmp2 is calculated by considering half of incomplete deaths except for the recent 5-year period for which incomplete deaths are considered.

- U5mort DHS_E.sps: generates the table of deaths, exposures and probabilities of death by age and period and the mortality rates table.

2. Observations on the method of calculation

Two observations can be made on the method of calculation:

- the method assumes a truncation for the segment 0 months

The calculation method produces deaths and exposures for the 0-month age segment in the tmp2 death file and in the exposd12 exposure file. As the deaths and exposures at the upper limit of each period are excluded, the method uses deaths and exposures at 0 months before the upper limit of the period, in other terms, those that occur at the upper limit -1, which it then divides by 2.

The following table shows an illustration of the recent period corresponding to the previous five years. It is clear that death ages at a distance of one month from the upper limit of the period are affected by iter = 2 (if (agei <limupp & limupp <= nxtage) iter = 2). Iter is a weighting factor assigned to each case in the SPSS program. If the factor is 1, the observation is complete and weighted by 1, if not, the factor is 2 and the observation is incomplete and counted as half. This means that these numbers will be divided by 2 because they are considered truncated.

Table 1: Illustration of some deaths considered truncated by age at death and upper limit over the recent period of the 5 years preceding (DHS-MICS Burkina Faso 2010)

Ageatdth (age at death)	**Perborn** (period of born)	**B3** (CMC date of birth)	**Limlow** (CMC lower limit of period)	**Agei= Col3+Col1** (CMC age at death**)**	**nxtage**	**Limupp (**CMC upper limit of period**)**	**Iter**
Col 1	**Col2**	**Col 3**	**Col 4**	**Col 5**	**Col 6**	**Col 7**	**Col 8**
0	0	1327	1268	1327	1328	1328	2
0	0	1330	1271	1330	1331	1331	2
0	0	1330	1271	1330	1331	1331	2
0	0	1327	1268	1327	1328	1328	2

Two (2) comments can be made:

- First, because these deaths and exposures are in the period of estimation and can not be considered truncated observations;

- Second, because of the nature of the CMC (Century Month Code), which considers only completed months and taking into account the 1 month interval for the 0-month segment, it is no longer possible for a month age to cross or

step over the limit of a period, either the observation is before, on or after the limit of the period.

Therefore, these deaths at 0 months in the sub-file tmp2 must be brought back into the sub-file tmp1; That mean their iter = 1 (complete exposure or death) instead of iter = 2.

- the method treats of the age segments indifferently

The construction of the segments induces an inequity in the treatment of the deaths and numbers associated with each segment. Whatever the age segment, the principle of inclusion or exclusion must be the same.

The condition "if (B3 <limupp & limupp <= agei) perborn = perborn - 1." in the program E and D induces a bias at the limits of the periods especially for the 0 months segment. The ages at death or exposure located on the upper limit in the 1st segment (0 months) are excluded while they are included in the upper segments. In the case of the first segment (0 months), when the date of birth + age at death coincides with the upper limit of the period, the observation is assigned to the previous period. If we do not exclude in the same way in the other segments, the treatment of cases at the upper limit of the period becomes different. For the specific case of segments above 0 months (1-2, 3-5, 6-11, 12-23, 24-35, 36-47 ,48-59 months), given that the ages at death are reduced to the lower limit 1,3,6,12,24,36,48, deaths or exposure at the upper limit of the period are included because their age at death or exposure are minimized and remained below the upper limit of the period (limupp), whereas they are excluded for the segment 0 months whose lower limit is only 0 and therefore does not change anything at their age at death.

An illustration on data:

In the data table below is the age at death according to DHS, birth period (perborn), date of birth (B3), lower limit (limlow) and upper limit (limupp) of the period and the period corresponding to the next segment (nxtage). In total, there are 18 lines corresponding to 18 deaths.

According to condition if (B3 <limupp & limupp <= agei) perborn = perborn - 1, the 18 cases in the table numbered 1 to 18 are assigned -1 to perborn (column 3), so they are not considered in the deaths of the recent period that perborn is 0. Consequently, limupp-agi = 0 (column 9), which means that they are on the upper limit of the estimation period and are not considered in the calculation for this period.

Table 2: Number of deaths excluded by considering the same one-month interval as the first segment (0 months) for all segments (DHS-MICS Burkina Faso 2010)

No	**ageatdth** (age at death)	**Monthly next segment**	**perborn** (period of born)	**B3** (CMS date of birth)	**Limlow** (CMC lower limit of period)	**agei=col4+col1** (cmc age at death)	**nxtage= col4+col2**	**Limupp** (CMC upper limit of period)	**limupp-agei**
	Col1	**Col2**	**Col3**	**Col4**	**Col5**	**Col6**	**Col7**	**Col8**	**Col9**
1	24	25	-1	1 304	1 268	1 328	1 329	1 328	0
2	36	37	-1	1 294	1 270	1 330	1 331	1 330	0
3	36	37	-1	1 293	1 269	1 329	1 330	1 329	0
4	48	49	-1	1 279	1 267	1 327	1 328	1 327	0
5	1	2	-1	1 327	1 268	1 328	1 329	1 328	0
6	3	4	-1	1 326	1 269	1 329	1 330	1 329	0
7	3	4	-1	1 327	1 270	1 330	1 331	1 330	0
8	2	3	-1	1 329	1 271	1 331	1 332	1 331	0
9	4	5	-1	1 326	1 270	1 330	1 331	1 330	0
10	5	6	-1	1 326	1 271	1 331	1 332	1 331	0
11	7	8	-1	1 322	1 269	1 329	1 330	1 329	0
12	7	8	-1	1 325	1 272	1 332	1 333	1 332	0
13	8	9	-1	1 318	1 266	1 326	1 327	1 326	0
14	9	10	-1	1 321	1 270	1 330	1 331	1 330	0
15	10	11	-1	1 320	1 270	1 330	1 331	1 330	0
16	10	11	-1	1 321	1 271	1 331	1 332	1 331	0
17	19	20	-1	1 311	1 270	1 330	1 331	1 330	0
18	31	32	-1	1 300	1 271	1 331	1 332	1 331	0

The DHS segments 0, 1-2, 3-5, 6-11, 12-23, 24-35, 36-47, 48-59 months are constructed in Table 3 on the same data as in Table 2 by assigning at age at death (column 1) in Table 2 the age group at death defined by the DHS segments. For this purpose, the limits of the segments must be defined as used in the SPSS program for the calculation of mortality: 0, 1, 3, 6, 12, 24, 36, 48 and 60. Thus, the age at death in Table 2 is 24 months and remains 24 in Table 3. For cases 1 to 7, the age at death remains the same in Table 2 and Table 3 as it coincides with the low limits of the defined segments. On the other hand, for cases 8 to 18 which do not correspond to any segment limit, they must be referenced to a segment by the floor of the segment corresponding to the lower limit of the segment. Thus, for case 8, the age at death of 2 months corresponds to 1 because 1 represents the segment 1-2, for case 9 whose age at death is 4 months, the new age at death according to the DHS segments becomes 3 (segment 3-5) and so on.

It is found that only 7 cases out of 18 have their perborn affected by -1. The other 11 cases have their perborn unchanged, that is, they are included in the calculation of the recent period. By segmenting, the number of cases to exclude decreases because we introduce an inequality in the segments.

By looking at column 9 of Table 3, limupp-agi = 0 only for the first 7 cases, which means only those cases that the segmentation locate on the upper limit of the estimation period and are to be excluded. For the other 11 cases, limupp-agi> 0 means that they are in the period in contrast to Table 2 where limupp-agi = 0.

Deaths or exposures located on the upper limit in the 1st segment (0 months) are excluded when they are included in the upper segments. In the case of the first segment (0 months), when the date of birth + age at death coincides with the upper limit of the period, the observation is assigned to the previous period. If we do not exclude in the same way in the other segments, the treatment of cases at the upper limit of the period becomes different.

In fact, when the age at death or age of exposure is located on the upper limit of the period (limupp), it is excluded from the calculation for the period. This principle is only valid in the DHS method for the 0-month segment. For the upper segments and for the same ages at death or exposure locate on the upper limit of the period, the calculation method that considers the beginning of the segment in the calculation of age at death or exposure minimizes age at death by bringing it back in the period. That explains that from 18 cases excluded in Table 2, only 7 cases are excluded in Table 3 with the construction of the DHS segments.

Therefore, in order to keep the same principle of calculation in a uniform manner, the same basis of the method without introducing inequity between the segments, the 18 cases excluded from Table 2 must also be excluded in Table 3 Segments retain the same principle of inclusion and exclusion of cases. The solution is either to include them all or to exclude them all according to the same principle. However, in accordance with the definition of the period limit, they should all be excluded instead of excluding cases on the boundary in a single segment and retaining in the upper segments other cases located on the same upper limit.

Table 3: Number of deaths excluded by construction of unequal segments (DHS method) (DHS-MICS Burkina Faso 2010)

No	**ageatdth** (age at death)	**Next DHS segment**	**perborn** (period of birth)	**B3** (CMS date of birth)	**Limlow** (CMC lower limit of period)	**agei=col4+col1** (cmc age group at death)	**nxtage= col4+col2**	**Limupp** (CMC upper limit of period)	**limupp-agei**
	Col1	**Col2**	**Col3**	**Col4**	**Col5**	**Col6**	**Col7**	**Col8**	**Col9**
1	24	36	-1	1 304	1 268	1 328	1 340	1 328	0
2	36	48	-1	1 294	1 270	1 330	1 342	1 330	0
3	36	48	-1	1 293	1 269	1 329	1 341	1 329	0
4	48	60	-1	1 279	1 267	1 327	1 339	1 327	0
5	1	3	-1	1 327	1 268	1 328	1 330	1 328	0
6	3	6	-1	1 326	1 269	1 329	1 332	1 329	0
7	3	6	-1	1 327	1 270	1 330	1 333	1 330	0
8	1	3	0	1 329	1 271	1 330	1 332	1 331	1
9	3	6	0	1 326	1 270	1 329	1 332	1 330	1
10	3	6	0	1 326	1 271	1 329	1 332	1 331	2
11	6	12	0	1 322	1 269	1 328	1 334	1 329	1
12	6	12	0	1 325	1 272	1 331	1 337	1 332	1
13	6	12	0	1 318	1 266	1 324	1 330	1 326	2
14	6	12	0	1 321	1 270	1 327	1 333	1 330	3
15	6	12	0	1 320	1 270	1 326	1 332	1 330	4
16	6	12	0	1 321	1 271	1 327	1 333	1 331	4
17	12	24	0	1 311	1 270	1 323	1 335	1 330	7
18	24	36	0	1 300	1 271	1 324	1 336	1 331	7

3. Propositions of conditions addition in the program

- Introduce a condition for ages 0 months

Given that at 0 months there is no truncation, the deaths at 0 months in the sub-file tmp2 must be assigned to tmp1. For this purpose, the following conditions must be met:

In the file U5mort DHS_E.sps:
The condition must be if (ageexp> 0 and agei <limupp & limupp <= nxtage) instead of do (agei <limupp & limupp <= nxtage).

In the file U5mort DHS_D.sps:
The condition must be if (j> 1 and agei <limupp & limupp <= nxtage) iter = 2 instead of if (agei <limupp & limupp <= nxtage) iter =

- Uniformly exclude deaths in all segments

It would be appropriate to apply the same principle of exclusion to all segments at the upper limit of each period. For it:

In the file U5mort DHS_E.sps: introduce a condition after creating limupp, if (B3 + B7 = limupp) perborn = perborn-1.

In the file U5mort DHS_D.sps: enter a condition after creating limupp, if (B3 + B7 = limupp) perborn = perborn-1.

4. Application on the data of some countries and impact of addition of conditions

The introduction of conditions will affect numerators and denominators used for segments calculations. In order to illustrate the quantified impact, the exercise was carried out on the data of some countries and presented below.

The recalculated and published estimates show minor differences, but they may be decisive in determining whether or not a country has achieved its objective of reducing child mortality. It is also necessary to apply the principle of harmonization of the exclusion to the upper limit of the segments. For this purpose, the minimum segment of 0 months as a reference for exclusions in all constituted segments. In addition, differences can be reinforced depending on the configuration of the data such DHS Rwanda 2014-15, Tanzania 2010, Nepal 2011 and Tajikistan 2012 over the recent period.

Differences can be more reinforced when we compare the child mortality components between published and recalculated (see tables 5).

Table 4: Under 5 mortality rates published and recalculated and relative differences on DHS of some countries

Country	Published rates	Recalculated rates	Relative difference
	1	2	3 = (2-1)/1*100
Burkina Faso 2010	128,55	128,83	0,2
Niger 2012	127,32	127,99	0,5
Mali 2012-13	95,09	96,03	1,0
Sénégal 2014	54,50	53,95	-1,0
Côte d'Ivoire 2011-12	108,06	107,65	-0,4
Cameroun 2011	121,87	121,01	-0,7
Ghana 2014	59,87	60,21	0,6
Libéria 2013	93,82	93,78	0,0
Nigéria 2013	128,05	128,77	0,6
Rwanda 2014-15	50,37	51,69	2,6

Country	Published rates	Recalculated rates	Relative difference
	1	2	3 = (2-1)/1*100
Tchad 2014-15	132,99	131,72	-1,0
Togo 2013-14	88,37	88,51	0,2
Ethiopie 2011	88,03	87,95	-0,1
Tanzanie 2010	81,10	83,35	2,8
Ouganda 2011	90,00	90,65	0,7
Zimbabwé 2010-11	84,15	84,96	1,0
Yemen 2013	52,76	52,93	0,3
Colombie 2010	19,44	19,47	0,1
Arménie 2010	16,44	16,54	0,6
Bengladesh 2014	46,08	46,37	0,6
Haiti 2012	88,47	87,38	-1,2
Honduras 2011-12	29,04	29,32	1,0
Jordanie 2012	20,96	21,17	1,0
Kyrgyzstan 2012	30,97	31,19	0,7
Népal 2011	54,39	55,66	2,3
Pakistan 2012	88,96	89,99	1,2
Philippines 2013	31,11	31,49	1,2
Tajikistan 2012	43,37	44,31	2,2

Tables 5: Comparative tables of published and recalculated estimations for child mortality component on some DHS for the recent 5 years period preceding survey

DHS Rwanda 2014-15

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	19,6	19,7	0,8
Post-Neonatal	12,7	13,3	4,5
Infant	32,3	33,0	2,2
Child	18,7	19,3	3,4
Under 5	50,4	51,7	2,6

DHS Tanzanie 2010

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	25,9	26,2	1,5
Post-Neonatal	24,8	26,4	6,3
Infant	50,7	52,7	3,9
Child	32,0	32,4	1,2
Under 5	81,1	83,3	2,8

DHS Haiti 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	30,6	30,8	0,7
Post-Neonatal	28,6	29,1	1,7
Infant	59,3	59,9	1,2
Child	31,1	29,2	-6,0
Under 5	88,5	87,4	-1,2

DHS Népal 2011

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	32,9	33,3	1,2
Post-Neonatal	13,0	14,0	7,2
Infant	45,9	47,3	2,9
Child	8,9	8,8	-0,6
Under 5	54,4	55,7	2,3

DHS Philippines 2013

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	12,6	12,6	0,3
Post-Neonatal	10,1	10,2	0,4
Infant	22,7	22,8	0,3
Child	8,6	8,9	3,6
Under 5	31,1	31,5	1,2

DHS Tajikistan 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	19,5	19,6	0,8
Post-Neonatal	15,0	15,5	3,4
Infant	34,5	35,2	1,9
Child	9,2	9,5	3,2
Under 5	43,4	44,3	2,2

DHS-MICS Burkina Faso 2010

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	28,1	28,3	0,7
Post-Neonatal	37,1	36,9	-0,4
Infant	65,1	65,2	0,1
Child	67,8	68,1	0,4
Under 5	128,5	128,8	0,2

DHS Niger 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	24,2	24,3	0,7
Post-Neonatal	26,5	26,6	0,5
Infant	50,6	51,0	0,6
Child	80,8	81,2	0,5
Under 5	127,3	128,0	0,5

DHS Mali 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	34,3	34,5	0,7
Post-Neonatal	21,8	22,4	2,7
Infant	56,0	56,8	1,5
Child	41,4	41,6	0,4
Under 5	95,1	96,0	1,0

DHS Sénégal 2014

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	18,8	18,7	-0,5
Post-Neonatal	14,4	14,6	1,3
Infant	33,2	33,2	0,3
Child	22,1	21,4	-3,0
Under 5	54,5	53,9	-1,0

DHS Côte d'Ivoire 2011-12

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	37,9	38,4	1,3
Post-Neonatal	30,1	29,7	-1,4
Infant	67,9	68,0	0,1
Child	43,0	42,5	-1,2
Under 5	108,1	107,7	-0,4

DHS Cameroun 2011

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	31,4	31,8	1,2
Post-Neonatal	31,1	31,0	-0,1
Infant	62,5	62,8	0,6
Child	63,3	62,1	-2,0
Under 5	121,9	121,0	-0,7

DHS Ghana 2014

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	28,7	29,0	1,0
Post-Neonatal	12,6	12,6	0,7
Infant	41,2	41,6	0,9
Child	19,4	19,4	-0,1
Under 5	59,9	60,2	0,6

DHS Libéria 2013

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	26,2	26,5	1,0
Post-Neonatal	27,5	28,1	2,1
Infant	53,8	54,6	1,6
Child	42,3	41,4	-2,1
Under 5	93,8	93,8	0,0

DHS Nigéria 2013

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	37,3	37,8	1,3
Post-Neonatal	31,3	31,3	0,2
Infant	68,6	69,1	0,8
Child	63,9	64,1	0,4
Under 5	128,1	128,8	0,6

DHS Tchad 2014-15

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	33,8	34,0	0,5
Post-Neonatal	38,5	38,2	-0,8
Infant	72,3	72,1	-0,2
Child	65,4	64,2	-1,9
Under 5	133,0	131,7	-1,0

DHS Togo 2013-14

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	27,0	27,3	1,2
Post-Neonatal	21,6	21,8	1,1
Infant	48,5	49,1	1,2
Child	41,9	41,5	-1,0
Under 5	88,4	88,5	0,2

DHS Ethiopie 2011

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	37,4	38,0	1,4
Post-Neonatal	21,8	21,9	0,4
Infant	59,2	59,8	1,0
Child	30,7	29,9	-2,3
Under 5	88,0	88,0	-0,1

DHS Ouganda 2011

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	27,2	27,3	0,5
Post-Neonatal	26,7	27,1	1,8
Infant	53,8	54,5	1,2
Child	38,2	38,3	0,1
Under 5	90,0	90,7	0,7

DHS Zimbabwé 2010-11

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	30,6	31,1	1,6
Post-Neonatal	26,0	26,1	0,1
Infant	56,7	57,2	0,9
Child	29,1	29,5	1,1
Under 5	84,2	85,0	1,0

DHS Yemen 2013

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	25,9	26,2	1,3
Post-Neonatal	17,3	17,2	-0,9
Infant	43,2	43,4	0,4
Child	10,0	9,9	-0,1
Under 5	52,8	52,9	0,3

DHS Colombie 2010

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	11,3	11,4	1,2
Post-Neonatal	4,5	4,4	-2,0
Infant	15,8	15,9	0,3
Child	3,7	3,7	-0,4
Under 5	19,4	19,5	0,1

DHS Arménie 2010

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	7,7	7,8	1,3
Post-Neonatal	5,7	5,7	0,0
Infant	13,4	13,5	0,8
Child	3,1	3,1	0,0
Under 5	16,4	16,5	0,6

DHS Bengladesh 2014

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	28,2	28,4	0,8
Post-Neonatal	9,9	10,0	1,1
Infant	38,1	38,5	0,9
Child	8,3	8,2	-0,5
Under 5	46,1	46,4	0,6

DHS Honduras 2011

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	17,6	17,8	0,8
Post-Neonatal	6,0	6,1	1,9
Infant	23,6	23,9	1,0
Child	5,6	5,6	0,7
Under 5	29,0	29,3	1,0

DHS Jordanie 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	13,7	13,9	1,7
Post-Neonatal	3,5	3,4	-1,7
Infant	17,2	17,4	1,0
Child	3,8	3,9	1,1
Under 5	21,0	21,2	1,0

DHS Kyrgyzstan 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	19,9	20,1	0,8
Post-Neonatal	6,9	7,0	0,7
Infant	26,9	27,1	0,8
Child	4,2	4,2	0,0
Under 5	31,0	31,2	0,7

DHS Pakistan 2012

Child mortality components	Published	Recalculated	Relative difference
	Col1	Col2	Col3 = (col2-col1)/col1*100
Neonatal	55,1	55,8	1,3
Post-Neonatal	18,5	19,0	2,5
Infant	73,6	74,8	1,6
Child	16,5	16,4	-0,6
Under 5	89,0	90,0	1,2

Annexes : Child mortality rates published and recalculated by period of analysis

DHS-MICS Burkina Faso 2010 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	28,06	37,08	65,13	67,83	128,55
	5-9	40,90	49,64	90,54	85,30	168,12
	10-14	44,27	45,95	90,21	95,29	176,91
	15-19	50,39	53,59	103,99	102,88	196,17
	20-24	45,57	53,88	99,44	110,00	198,50

DHS-MICS Burkina Faso 2010 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	28,26	36,93	65,19	68,08	128,83
	5-9	41,35	49,54	90,90	84,93	168,11
	10-14	45,57	45,59	91,17	94,56	177,11
	15-19	51,01	53,26	104,27	102,59	196,16
	20-24	48,02	53,79	101,81	108,61	199,36

DHS Niger 2012 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	24,16	26,48	50,65	80,77	127,32
	5-9	38,80	40,04	78,84	110,10	180,26
	10-14	38,36	53,79	92,14	152,91	230,96
	15-19	49,78	60,08	109,86	196,15	284,46
	20-24	51,91	59,57	111,48	191,63	281,75

DHS Niger 2012 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	24,34	26,63	50,97	81,16	127,99
	5-9	39,49	40,03	79,52	108,78	179,65
	10-14	39,66	53,39	93,05	152,67	231,52
	15-19	51,25	59,69	110,94	194,36	283,74
	20-24	54,67	59,27	113,93	191,53	283,64

DHS Mali 2012 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	34,25	21,76	56,02	41,40	95,09
	5-9	38,64	32,40	71,04	46,65	114,38
	10-14	41,74	30,03	71,77	51,12	119,22
	15-19	58,10	38,29	96,39	71,52	161,01
	20-24	57,41	30,37	87,78	76,24	157,33

DHS Mali 2012 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	34,48	22,36	56,84	41,55	96,03
	5-9	39,07	32,21	71,28	46,42	114,39
	10-14	42,35	29,08	71,43	51,13	118,90
	15-19	58,83	38,10	96,93	70,84	160,90
	20-24	58,02	30,38	88,39	75,72	157,42

DHS Sénégal 2014 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	18,77	14,38	33,15	22,08	54,50
	5-9	23,17	22,74	45,92	27,05	71,72
	10-14	21,79	26,70	48,48	47,41	93,60
	15-19	40,14	32,92	73,05	58,00	126,81
	20-24	45,59	38,26	83,85	52,32	131,78

DHS Sénégal 2014 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	18,67	14,57	33,24	21,41	53,95
	5-9	23,81	22,96	46,76	26,99	72,49
	10-14	22,40	26,47	48,87	47,07	93,64
	15-19	40,95	32,46	73,41	58,06	127,20
	20-24	46,11	37,46	83,57	51,89	131,12

DHS Côte d'Ivoire 2011-12 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	37,86	30,09	67,95	43,03	108,06
	5-9	46,81	37,53	84,34	43,70	124,35
	10-14	48,87	43,97	92,84	51,83	139,86
	15-19	52,35	32,71	85,06	52,69	133,27
	20-24	47,84	38,79	86,63	58,89	140,42

DHS Côte d'Ivoire 2011-12 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	38,36	29,66	68,02	42,52	107,65
	5-9	47,17	37,33	84,50	43,75	124,55
	10-14	51,18	43,27	94,45	51,32	140,92
	15-19	53,05	32,52	85,57	52,40	133,49
	20-24	50,96	38,37	89,33	57,82	141,98

DHS Cameroun 2011 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	31,41	31,06	62,48	63,35	121,87
	5-9	33,81	43,20	77,02	63,54	135,66
	10-14	36,39	43,57	79,96	71,88	146,09
	15-19	36,06	40,89	76,95	69,29	140,90
	20-24	31,08	34,74	65,82	58,65	120,61

DHS Cameroun 2011 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	31,80	31,02	62,82	62,08	121,01
	5-9	34,50	43,26	77,76	63,64	136,45
	10-14	36,97	43,01	79,98	71,36	145,63
	15-19	36,75	41,05	77,81	67,88	140,41
	20-24	31,40	34,54	65,94	58,60	120,68

DHS Ghana 2014 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	28,69	12,55	41,24	19,43	59,87
	5-9	33,22	20,74	53,96	28,50	80,92
	10-14	30,41	21,76	52,17	36,99	87,23
	15-19	38,57	24,08	62,65	41,38	101,44
	20-24	38,37	28,66	67,03	48,54	112,31

DHS Ghana 2014 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	28,97	12,64	41,61	19,40	60,21
	5-9	33,91	20,94	54,86	28,04	81,36
	10-14	31,17	21,36	52,53	37,25	87,83
	15-19	39,48	24,13	63,61	40,87	101,88
	20-24	38,85	28,35	67,20	48,55	112,49

DHS Libéria 2013 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	26,24	27,53	53,77	42,33	93,82
	5-9	40,88	43,50	84,39	52,12	132,11
	10-14	43,37	69,89	113,27	80,82	184,93
	15-19	52,73	89,71	142,44	103,83	231,48
	20-24	65,42	92,87	158,29	134,69	271,66

DHS Libéria 2013 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
0-4 5-9 10-14 15-19	0-4	26,50	28,12	54,62	41,42	93,78
	5-9	41,27	43,13	84,40	52,91	132,85
	10-14	43,88	69,88	113,76	80,66	185,24
	15-19	54,73	89,88	144,60	102,79	232,53
	20-24	66,94	92,10	159,04	133,08	270,95

DHS Nigéria 2013 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	37,28	31,27	68,55	63,88	128,05
	5-9	43,41	42,27	85,67	83,12	161,67
	10-14	46,45	46,54	92,99	101,62	185,16
	15-19	48,78	48,07	96,85	110,97	197,08
	20-24	45,82	55,03	100,85	121,57	210,16

DHS Nigéria 2013 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	37,75	31,34	69,10	64,11	128,77
	5-9	44,22	42,32	86,54	82,49	161,90
	10-14	48,21	45,91	94,11	101,26	185,84
	15-19	50,20	47,71	97,90	110,19	197,30
	20-24	47,21	54,94	102,15	120,68	210,50

DHS Rwanda 2014-15 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	19,58	12,70	32,29	18,69	50,37
	5-9	24,88	26,50	51,37	34,60	84,19
	10-14	36,99	45,78	82,77	72,89	149,62
	15-19	44,42	63,34	107,76	116,40	211,61
	20-24	39,13	67,76	106,89	124,64	218,21

DHS Rwanda 2014-15 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	19,74	13,27	33,01	19,32	51,69
	5-9	25,22	26,51	51,73	33,87	83,85
	10-14	37,56	46,10	83,66	74,04	151,51
	15-19	45,04	61,98	107,02	114,38	209,15
	20-24	40,64	67,20	107,85	123,88	218,37

DHS Tchad 2014-15 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	33,80	38,48	72,27	65,45	132,99
	5-9	38,59	52,15	90,74	79,40	162,93
	10-14	37,20	51,73	88,93	85,14	166,50
	15-19	42,49	52,56	95,06	91,27	177,65
	20-24	40,35	47,93	88,28	100,54	179,94

DHS Tchad 2014-15 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	33,96	38,17	72,13	64,22	131,72
	5-9	39,33	52,39	91,72	79,25	163,70
	10-14	37,93	51,42	89,35	84,95	166,71
	15-19	43,51	52,10	95,61	91,25	178,13
	20-24	40,85	46,81	87,66	99,34	178,29

DHS Togo 2013-14 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	26,96	21,57	48,52	41,88	88,37
	5-9	31,48	25,60	57,08	44,46	99,00
	10-14	33,95	26,29	60,24	57,67	114,44
	15-19	40,67	32,06	72,73	67,85	135,65
	20-24	38,23	34,10	72,32	55,72	124,01

DHS Togo 2013-14 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	27,28	21,81	49,09	41,46	88,51
	5-9	32,02	25,40	57,43	44,92	99,77
	10-14	34,45	26,25	60,70	57,14	114,37
	15-19	41,62	31,70	73,31	67,19	135,58
	20-24	39,35	33,41	72,77	55,71	124,42

DHS Ethiopie 2011 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	37,42	21,77	59,19	30,66	88,03
	5-9	47,65	40,16	87,81	49,44	132,91
	10-14	53,98	46,87	100,85	71,84	165,44
	15-19	61,82	52,69	114,52	110,36	212,24
	20-24	59,71	60,95	120,66	110,64	217,95

DHS Ethiopie 2011 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	37,95	21,85	59,80	29,94	87,95
	5-9	48,51	40,15	88,67	50,68	134,85
	10-14	54,91	46,85	101,75	70,90	165,43
	15-19	63,11	52,86	115,97	108,85	212,20
	20-24	61,80	60,16	121,95	110,67	219,12

DHS Tanzanie 2010 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	25,86	24,85	50,71	32,01	81,10
	5-9	29,84	41,18	71,02	37,26	105,64
	10-14	33,43	62,07	95,50	52,90	143,34
	15-19	35,50	53,97	89,47	73,09	156,02
	20-24	34,44	56,20	90,64	71,86	155,99

DHS Tanzanie 2010 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	26,24	26,42	52,66	32,39	83,35
	5-9	29,97	39,73	69,70	36,45	103,61
	10-14	34,39	61,89	96,28	52,55	143,78
	15-19	36,01	53,96	89,97	73,16	156,55
	20-24	35,42	55,82	91,24	72,93	157,51

DHS Ouganda 2011 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	27,17	26,65	53,83	38,23	90,00
	5-9	34,13	42,53	76,67	51,91	124,60
	10-14	34,38	54,20	88,57	59,99	143,25
	15-19	29,38	52,04	81,42	78,99	153,98
	20-24	47,35	54,21	101,56	76,80	170,56

DHS Ouganda 2011 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	27,32	27,13	54,45	38,29	90,65
	5-9	34,99	42,10	77,09	52,29	125,35
	10-14	34,86	53,86	88,72	58,45	141,98
	15-19	28,95	51,76	80,72	79,34	153,65
	20-24	50,82	53,93	104,75	74,71	171,64

DHS Zimbabwé 2010-11 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	30,64	26,03	56,67	29,13	84,15
	5-9	24,95	26,52	51,48	19,10	69,59
	10-14	24,82	20,99	45,81	16,84	61,88
	15-19	13,92	22,17	36,09	19,95	55,32
	20-24	29,42	15,38	44,80	17,02	61,06

DHS Zimbabwé 2010-11 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	31,13	26,06	57,19	29,45	84,96
	5-9	25,18	26,76	51,94	19,28	70,23
	10-14	25,45	20,72	46,17	16,28	61,70
	15-19	14,18	21,86	36,04	19,87	55,20
	20-24	29,88	15,36	45,23	17,24	61,70

DHS Yemen 2013 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	25,88	17,35	43,23	9,96	52,76
	5-9	27,19	23,28	50,47	12,36	62,20
	10-14	32,04	29,08	61,11	22,73	82,45
	15-19	37,48	42,91	80,39	29,75	107,75
	20-24	45,35	52,21	97,57	31,75	126,22

DHS Yemen 2013 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	26,22	17,20	43,42	9,94	52,93
	5-9	27,41	23,39	50,81	12,79	62,94
	10-14	32,98	29,04	62,02	22,79	83,39
	15-19	38,22	42,81	81,03	28,54	107,26
	20-24	46,26	51,17	97,44	31,77	126,11

DHS Colombie 2010 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	11,30	4,52	15,81	3,69	19,44
	5-9	12,10	8,03	20,14	3,84	23,90
	10-14	14,35	8,27	22,62	3,96	26,49
	15-19	16,13	11,04	27,18	6,89	33,88
	20-24	18,09	13,23	31,32	6,61	37,72

DHS Colombie 2010 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	11,43	4,43	15,85	3,67	19,47
	5-9	12,25	8,12	20,37	3,83	24,12
	10-14	14,45	8,34	22,78	4,07	26,76
	15-19	16,59	10,92	27,51	6,83	34,15
	20-24	18,40	13,13	31,53	6,50	37,82

DHS Arménie 2010 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	7,70	5,66	13,36	3,12	16,44
	5-9	11,28	12,59	23,87	2,77	26,57
	10-14	16,87	9,34	26,21	1,26	27,44
	15-19	21,49	15,04	36,53	4,10	40,48
	20-24	19,61	21,92	41,53	5,33	46,64

DHS Arménie 2010 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	7,80	5,66	13,46	3,12	16,54
	5-9	11,47	12,84	24,32	2,77	27,02
	10-14	17,23	9,10	26,33	1,26	27,55
	15-19	20,33	15,06	35,39	4,10	39,34
	20-24	21,61	21,88	43,49	5,33	48,59

DHS Bengladesh 2014 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	28,22	9,91	38,13	8,27	46,08
	5-9	35,61	13,52	49,13	12,57	61,08
	10-14	35,73	21,05	56,78	16,09	71,95
	15-19	52,90	23,19	76,09	23,74	98,02
	20-24	66,83	30,65	97,48	32,50	126,82

DHS Bengladesh 2014 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	28,45	10,02	38,46	8,22	46,37
	5-9	36,01	14,04	50,04	12,69	62,10
	10-14	36,45	20,83	57,27	15,92	72,28
	15-19	53,78	23,00	76,78	24,07	98,99
	20-24	68,43	30,14	98,57	31,84	127,28

DHS Haïti 2012 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	30,62	28,63	59,25	31,05	88,47
	5-9	33,25	35,11	68,36	29,53	95,88
	10-14	30,36	48,68	79,04	35,89	112,10
	15-19	33,40	44,57	77,97	53,52	127,31
	20-24	32,01	60,76	92,77	64,43	151,23

DHS Haïti 2012 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	30,83	29,11	59,94	29,19	87,38
	5-9	33,91	35,06	68,97	29,73	96,66
	10-14	30,84	49,71	80,55	35,70	113,38
	15-19	33,91	43,54	77,45	52,96	126,31
	20-24	32,98	60,04	93,02	64,23	151,27

DHS Honduras 2011-12 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	17,63	5,97	23,60	5,57	29,04
	5-9	15,44	8,38	23,81	6,29	29,96
	10-14	17,68	10,51	28,19	8,85	36,78
	15-19	15,37	16,42	31,80	13,56	44,93
	20-24	18,89	21,23	40,12	12,57	52,19

DHS Honduras 2011-12 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	17,77	6,08	23,85	5,60	29,32
	5-9	15,69	8,52	24,21	6,24	30,30
	10-14	17,88	10,36	28,24	8,79	36,78
	15-19	15,84	16,55	32,38	13,65	45,59
	20-24	19,42	20,97	40,39	12,13	52,03

DHS Jordanie 2012 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	13,71	3,51	17,21	3,81	20,96
	5-9	10,55	7,01	17,56	2,44	19,96
	10-14	20,31	9,65	29,96	4,20	34,03
	15-19	16,31	9,87	26,18	3,05	29,15
	20-24	20,42	13,94	34,36	4,65	38,85

DHS Jordanie 2012 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	13,94	3,45	17,39	3,86	21,17
	5-9	10,69	7,03	17,72	2,39	20,07
	10-14	20,62	9,65	30,27	4,20	34,34
	15-19	16,60	9,87	26,47	3,05	29,44
	20-24	20,65	13,89	34,54	4,65	39,03

DHS Kyrgyzstan 2012 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	19,94	6,92	26,87	4,22	30,97
	5-9	17,16	11,14	28,30	7,33	35,43
	10-14	16,95	18,66	35,61	9,21	44,49
	15-19	19,28	18,18	37,47	5,04	42,32
	20-24	21,50	22,94	44,44	12,04	55,94

DHS Kyrgyzstan 2012 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	20,11	6,97	27,08	4,22	31,19
	5-9	17,43	11,37	28,80	7,33	35,92
	10-14	17,52	18,78	36,30	9,21	45,17
	15-19	19,29	17,72	37,00	5,04	41,86
	20-24	22,12	23,11	45,23	12,04	56,73

DHS Népal 2011 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	32,91	13,01	45,92	8,87	54,39
	5-9	37,32	22,67	60,00	10,32	69,70
	10-14	44,74	25,35	70,10	18,71	87,49
	15-19	48,05	29,61	77,66	33,57	108,63
	20-24	64,53	37,37	101,90	50,22	147,00

DHS Népal 2011 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	33,30	13,96	47,25	8,82	55,66
	5-9	37,37	22,10	59,47	10,58	69,42
	10-14	45,90	25,15	71,05	18,88	88,59
	15-19	49,02	29,51	78,53	32,95	108,90
	20-24	66,16	37,14	103,30	50,24	148,35

DHS Pakistan 2012-13 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	55,11	18,52	73,63	16,54	88,96
	5-9	60,21	27,95	88,16	18,81	105,31
	10-14	58,68	33,45	92,12	22,50	112,55
	15-19	62,14	30,99	93,13	20,66	111,86
	20-24	58,86	39,69	98,55	21,47	117,91

DHS Pakistan 2012-13 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	55,80	18,97	74,78	16,44	89,99
	5-9	61,20	28,06	89,26	19,10	106,65
	10-14	60,09	32,46	92,55	22,21	112,70
	15-19	63,62	31,19	94,81	20,40	113,28
	20-24	60,15	39,22	99,37	21,51	118,74

DHS Philippines 2013 publié

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	12,58	10,13	22,71	8,60	31,11
	5-9	14,60	9,67	24,27	9,55	33,59
	10-14	15,48	9,06	24,54	10,02	34,31
	15-19	13,80	9,77	23,57	12,85	36,12
	20-24	14,16	17,02	31,17	21,83	52,32

DHS Philippines 2013 recalculé

Table CM.03: Child mortality
Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	12,62	10,17	22,78	8,91	31,49
	5-9	15,06	9,85	24,91	9,60	34,27
	10-14	15,51	8,90	24,42	9,59	33,77
	15-19	14,25	9,89	24,14	12,85	36,68
	20-24	14,52	16,86	31,38	21,83	52,53

DHS Tajikistan 2012 publié

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	19,46	15,04	34,50	9,19	43,37
	5-9	20,07	23,11	43,18	11,58	54,26
	10-14	25,17	30,56	55,73	21,10	75,66
	15-19	20,32	42,29	62,61	34,70	95,14
	20-24	29,30	39,14	68,44	24,97	91,70

DHS Tajikistan 2012 recalculé

Table CM.03: Child mortality

Infant and under-five mortality rates by 5 year periods

		Neonatal mortality	Post neonatal mortality	Infant mortality	Child mortality	Under five mortality
		Mean	Mean	Mean	Mean	Mean
Periods of analysis of 5 years	0-4	19,61	15,55	35,16	9,48	44,31
	5-9	20,55	23,25	43,80	11,83	55,11
	10-14	25,51	30,71	56,22	21,04	76,08
	15-19	20,39	41,92	62,31	34,05	94,23
	20-24	29,63	38,61	68,25	24,97	91,51