

# Appendix A. Sample Design

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The major features of sample design are described in this appendix. Sample design features include target sample size, sample allocation, sample frame and listing, choice of domains, sampling stages, stratification, and the calculation of sample weights.

The primary objective of the sample design for the Lao PDR Multiple Indicator Cluster Survey was to produce statistically reliable estimates of most indicators, at the national level, for urban and rural areas with road access and without road access, and for the three regions North, Central and South of the country. Urban and rural areas with road access and rural areas without road access in each of the three regions were defined as the sampling domains.

A multi-stage, stratified cluster sampling approach was used for the selection of the survey sample.

## Sample Size and Sample Allocation

The target sample size for the Lao MICS was calculated as 6,000 households. For the calculation of the sample size, the key indicator used was the TT coverage among pregnant women. The following formula was used to estimate the required sample size for these indicators:

$$n = \frac{[4 (r) (1-r) (f) (1.1)]}{[(0.12r)^2 (p) (n_h)]}$$

where

- $n$  is the required sample size, expressed as number of households
- $4$  is a factor to achieve the 95 per cent level of confidence
- $r$  is the predicted or anticipated prevalence (coverage rate) of the indicator
- $1.1$  is the factor necessary to raise the sample size by 10 per cent for non-response
- $f$  is the shortened symbol for *deff* (design effect)
- $0.12r$  is the margin of error to be tolerated at the 95 per cent level of confidence, defined as 12 per cent of  $r$  (relative sampling error of  $r$ )
- $p$  is the proportion of the total population upon which the indicator,  $r$ , is based
- $n_h$  is the average household size.

For the calculation,  $r$  (TT coverage among pregnant women) was assumed to be **45 percent**. The value of *deff* (design effect) was taken as 1.5 based on estimates from previous surveys,  $p$  (percentage of pregnant women in the total population) was taken as 2 percent, and  $n_h$  (average household size) was taken as 5.9 households.

The resulting number of households from this exercise was 2,000 households which is the sample size needed in each region – thus yielding about 6,000 in total. The average cluster size in the Lao MICS was determined as 20 households, based on a number of considerations, including the budget available, and the time that would be needed per team to complete one cluster. Dividing the total number of households by the number of households per cluster, it was calculated that the selection of a total number of 100 clusters would be needed in each region.

Equal allocation of the total sample size to the three regions was targeted. Therefore, 100 clusters were allocated to each region, with the final sample size calculated at 6,000 households (100 clusters \* 3 regions \* 20 households per cluster). In each region, the clusters (primary sampling units) were distributed to urban and rural with road access and without road access domains, proportional to the size of urban and rural with road access and without road access populations in that region. The table below shows the allocation of clusters to the sampling domains.

**Table SD.1: Allocation of Sample Clusters (Primary Sampling Units) to Sampling Domains**

Region	Population (Census 2005)				Number of Clusters			
	Total	Urban	RWR	RWOR	Urban	RWR	RWOR	Total
North	1,748,345	299,583	902,396	546,366	18	53	29	100
Central	2,738,228	1,033,034	1,347,517	357,677	39	50	11	100
South	1,128,812	189,520	645,266	294,026	18	57	25	100
Total	5,615,385	1,522,137	2,895,179	1,198,069	75	160	65	300

## Sampling Frame and Selection of Clusters

The 2005 census frame was used for the selection of clusters. Census enumeration areas were defined as primary sampling units (PSUs), and were selected from each of the sampling domains by using systematic pps (probability proportional to size) sampling procedures, based on the estimated sizes of the enumeration areas from the 2005 Population Census. The first stage of sampling was thus completed by selecting the required number of enumeration areas from each of the 3 regions by urban and rural with road access and without road access areas separately.

## Listing Activities

Since the sample frame (the 2005 Population Census) was just up to date, household lists in all selected enumeration areas were not updated prior to the selection of households.

## Selection of Households

Lists of households were prepared by the listing teams in the field for each enumeration area. The households were then sequentially numbered from 1 to n (the total number of households in each enumeration area) at the National Statistical Center, where selection of 20 households in each enumeration area was carried out using systematic selection procedures.

## Calculation of Sample Weights

The Lao PDR Multiple Indicator Cluster Survey sample is not self-weighted. Essentially, by allocating equal numbers of households to each of the regions, different sampling fractions were used in each region since the size of the regions varied. For this reason, sample weights were calculated and these were used in the subsequent analyses of the survey data.

The major component of the weight is the reciprocal of the sampling fraction employed in selecting the number of sample households in that particular sampling domain:

$$W_h = 1 / f_h$$

The term  $f_h$ , the sampling fraction at the  $h$ -th stratum, is the product of probabilities of selection at every stage in each sampling domain:

$$f_h = P_{1h} * P_{2h} * P_{3h}$$

where  $P_{ih}$  is the probability of selection of the sampling unit in the  $i$ -th stage for the  $h$ -th sampling domain.

Since the estimated numbers of households per enumeration area prior to the first stage selection (selection of primary sampling units) and the updated number of households per enumeration area were different, individual sampling fractions for households in each enumeration area (cluster) were calculated. The sampling fractions for households in each enumeration area (cluster) therefore included the probability of selection of the enumeration area in that particular sampling domain and the probability of selection of a household in the sample enumeration area (cluster).

A second component which has to be taken into account in the calculation of sample weights is the level of non-response for the household and individual interviews. The adjustment for household non-response is equal to the inverse value of:

$$RR = \text{Number of interviewed households} / \text{Number of occupied households listed}$$

After the completion of fieldwork, response rates were calculated for each sampling domain. These were used to adjust the sample weights calculated for each cluster. Response rates in the Lao PDR Multiple Indicator Cluster Survey are shown in Table HH.1 in this report.

Similarly, the adjustment for non-response at the individual level (women and under-5 children) is equal to the inverse value of:

$$RR = \text{Completed women's (or under-5's) questionnaires} / \text{Eligible women (or under-5s)}$$

Numbers of eligible women and under-5 children were obtained from the household listing in the Household Questionnaire in households where interviews were completed.

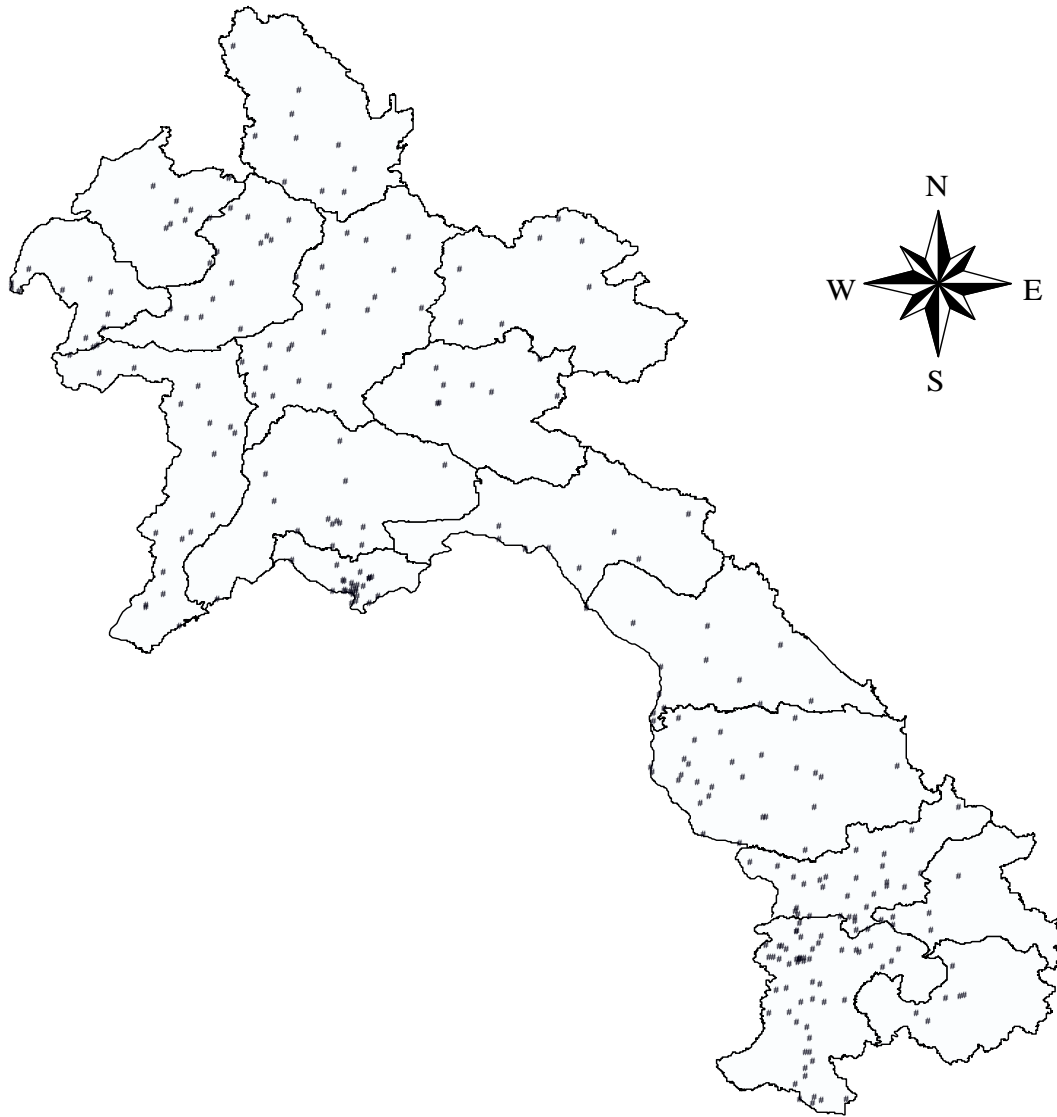
The unadjusted weights for the households were calculated by multiplying the above factors for each enumeration area. These weights were then standardized (or normalized), one purpose of which is to make the sum of the interviewed sample units equal the total sample size at the national level. Normalization is performed by multiplying the aforementioned unadjusted weights by the ratio of the number of completed households to the total unadjusted weighted number of households. A similar standardization procedure was followed in obtaining standardized weights for the women's and under-5's questionnaires. Adjusted (normalized) weights varied between 0.521272 and 1.877112 in the 300 enumeration areas (clusters).

Lao PDR	SAMPLE			HOUSEHOLDS						
	Stratum	Sampling fraction	Design weight	Number of clusters selected in the stratum	Number of clusters completed in the stratum	Number of households with a complete interview in the stratum (HH9=1)	Number of households found in the stratum (HH9<=4)	Raw household weight	Weighted number of households with a complete interview in the stratum	Normalized household weight
11	0.006639	150.622222	18	18	358	360	151.463687	54224.00	<b>0.938603</b>	336.02
21	0.006800	147.060377	53	55	1089	1100	143.144169	155884.00	<b>0.887048</b>	966.00
31	0.006598	151.556897	29	27	532	535	163.701284	87089.08	<b>1.014438</b>	539.68
12	0.004308	232.108974	39	38	713	760	253.920056	181045.00	<b>1.573514</b>	1121.92
22	0.004408	226.843000	50	52	1016	1036	222.411936	225970.53	<b>1.378262</b>	1400.31
32	0.003802	263.013636	11	10	197	200	293.720812	57863.00	<b>1.820155</b>	358.57
13	0.011439	87.422222	18	18	356	360	88.404494	31472.00	<b>0.547833</b>	195.03
23	0.010550	94.787719	57	64	1275	1280	84.751373	108058.00	<b>0.525195</b>	669.62
33	0.010098	99.034000	25	18	358	360	138.315642	49517.00	<b>0.857127</b>	306.85
TOTAL			<b>300</b>	<b>300</b>	<b>5894</b>	<b>5991</b>		<b>951122.61</b>		<b>5894.00</b>

WOMEN						CHILDREN					
Number of eligible women in the stratum (HH12)	Number of eligible women with a complete interview in the stratum (HH13)	Raw woman's weight	Weighted number of women with a complete interview in the stratum	Normalized woman's weight	Weighted number of women with a complete interview in the stratum	Number of eligible children in the stratum (HH14)	Number of eligible children with a complete interview in the stratum (HH15)	Raw children's weight	Weighted number of children with a complete interview in the stratum	Normalized children's weight	Weighted number of children with a complete interview in the stratum
506	487	157.372948	76640.63	<b>0.929802</b>	452.81	164	161	154.285992	24840.04	<b>0.981202</b>	157.97
1432	1374	149.186645	204982.45	<b>0.881435</b>	1211.09	788	766	147.255359	112797.61	<b>0.936489</b>	717.35
706	677	170.713599	115573.11	<b>1.008622</b>	682.84	516	503	167.932133	84469.86	<b>1.067986</b>	537.20
1015	966	266.800059	257728.86	<b>1.576327</b>	1522.73	259	247	266.256253	65765.29	<b>1.693291</b>	418.24
1249	1194	232.657042	277792.51	<b>1.374601</b>	1641.27	670	665	224.084206	149016.00	<b>1.425092</b>	947.69
264	253	306.491282	77542.29	<b>1.810834</b>	458.14	205	204	295.160620	60212.77	<b>1.877112</b>	382.93
489	468	92.371363	43229.80	<b>0.545755</b>	255.41	210	208	89.254538	18564.94	<b>0.567626</b>	118.07
1599	1536	88.227503	135517.44	<b>0.521272</b>	800.67	1080	1071	85.463569	91531.48	<b>0.543517</b>	582.11
443	432	141.837569	61273.83	<b>0.838015</b>	362.02	312	311	138.760387	43154.48	<b>0.882464</b>	274.45
<b>7703</b>	<b>7387</b>		<b>1250280.91</b>		<b>7387.00</b>	<b>4204</b>	<b>4136</b>		<b>650352.48</b>		<b>4136.00</b>

Sample weights were appended to all data sets and analyses were performed by weighting each household, woman or under-5 with these sample weights.

## Distribution of Village Sample of MICS III, 2006



## Appendix B. List of Personnel Involved in the Survey

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- I. Project Director**  
Dr Samaychanh Boupha Director General of National Statistics center
- II. Technical Coordinator**
1. Mr Thipsavanh Intharack Director of Survey Division of National Statistics center
  2. Dr Bounthom Phengdy Director of Health promotion and Nutrition  
Division of Hygiene and Prevention Department
  3. Mr Khamhoung Keovilay Monitoring & Evaluation Officer, UNICEF, Vientiane
- III. Field Coordinator**
1. Mr Yavang Vachoima Deputy Director General of National Statistics center
  2. Mr Thipsavanh Intharack Director of Survey Division of National Statistics center
  3. Dr Bounthom Phengdy Director of Health promotion and Nutrition  
Division of Hygiene and Prevention Department
  4. Mr Sengmany Keolangsy Director of Socio-statistics Division of National  
Statistics center
  5. Mr BouaNgeng Chanthabuly Director of Service and IT Division of National  
Statistics center
  6. Dr Sivilay Napayvong Director of Food Division, Food and Dug Department
  7. Dr Khamseng Mother and Child Center
  8. Dr Taypasavanh Hygiene and Prevention Department
- IV. Individuals involved in Data Processing/Programming, Sampling, Questionnaire Design**
1. Mr Thipsavanh Intharack Director of Survey Division of National Statistics center
  2. Dr Bounthom Phengdy Director of Health promotion and Nutrition  
Division of Hygiene and Prevention Department
  3. Mr Sengmany Keolangsy Director of Socio-statistics Division of National  
Statistics center
  4. Mr BouaNgeng Chanthabuly Director of Service and IT Division of National  
Statistics center
  5. Mr. Kingphet Deputy Director of Service and IT Division of National  
Statistics center
  6. Dr Sivilay Napayvong Director of Food Division, Food and Dug Department
  7. Dr Khamseng Mother and Child Center
  8. Dr Taypasavanh Hygiene and Prevention Department
  9. Mr Khamphan Chaluenphon Statistician of national Statistics Center
  10. Mr Xaysana Lathsabout IT Staff of national Statistics Center
  11. Mr Khamhoung Keovilay Monitoring & Evaluation Officer, UNICEF, Vientiane
  12. Dr Bounthaveth Vienmisay Logistics Consultant, UNICEF, Vientiane

- 13. Ms. Jacky Knowles External Consultant
- 14. Mr Larry Grummer-Strawn Expert from CDC Atlanta

**V. Steering Committee of the Survey :**

- 1. Dr Samaychanh Boupha Director General of National Statistics center
- 2. Dr Somchith Ackavong Deputy Director General of Hygiene and Prevention Department
- 3. Mr Yavang Vachoima Deputy Director General of National Statistics center
- 4. Mr Thipsavanh Intharack Director of Survey Division of National Statistics center
- 5. Dr Bounthom Phengdy Director of Health promotion and Nutrition Division of Hygiene and Prevention Department
- 6. Mr Sengmany Keolangsy Director of Socio-statistics Division of National Statistics center
- 7. Mr BouaNgeng Chanthabuly Director of Service and IT Division of National Statistics center
- 8. Dr Sivilay Napayvong Director of Food Division, Food and Dug Department
- 9. Dr Khamseng Mother and Child Center
- 10. Dr Taypasavanh Hygiene and Prevention Department

**VI. Expert and assistants from UNICEF and CDC Atlanta**

- 1. Mr Khamhoung Keovilay Monitoring & Evaluation Officer, UNICEF, Vientiane
- 2. Dr Intong Keomoungkhoun Health & Nutrition Officer, UNICEF, Vientiane
- 3. Mr. Kosuke Anan Social Policy Officer, UNICEF, Vientiane
- 4. Dr Bounthaveth Vienmisay Logistics Consultant, UNICEF, Vientiane
- 5. Ms. Jacky Knowles External Consultant
- 6. Mr Larry Grummer-Strawn Expert from CDC Atlanta
- 7. Ms. Bridgette Magrereh Expert from CDC Atlanta
- 8. Mr. Bakery Drammeh Expert from CDC Atlanta
- 9. Ms Attitada Boonpradern Expert from Mahidon University of Thailand
- 10. Ms Chureeporn Expert from Mahidon University of Thailand

**VII. Field team survey:**

**Team 1 :**

- 1. Mr Sonpheth Head of Statistics Section of Oudomxay province team leader.
- 2. Dr Khambay Technician of Deputy team leader.
- 3. Mr vanna Statistician of NSC, Supervisor
- 4. Mr Somechanh chomkeo Health staff of Phonsaly province, Enumerator
- 5. Mr Suboonlieng Statistician of Phonsaly province, Enumerator
- 6. Mr Osay Health staff of Oudomxay province, Enumerator
- 7. Mr Khamsai Statistician of Oudomxay province, Enumerator

**Team 2 :**

1. Mr Phommary Head of Statistics Section of Bokeo province team leader.
2. Dr Chanhthaly Technician of Deputy team leader.
3. Mr Duoa Statistician of NSC, Supervisor
4. Mr Thongla Health staff of LuangNamtha province, Enumerator
5. Mr Chittakong Statistician of LuangNamtha province, Enumerator
6. Mr Sengthavy Statistician of Bokeo province, Enumerator
7. Mr Sithon Health staff of Bokeo province, Enumerator

**Team 3 :**

1. Ms Lohith Head of Statistics Section of Luangprabang province team leader.
2. Dr Lay Sisavath Technician of Deputy team leader
3. Mr Khenphone Statistician of NSC, Supervisor
4. Ms Phonsavanh Statistician of Luangprabang province, Enumerator
5. Mr Bounpheng Health staff of Luangprabang province, Enumerator
6. Mr Saisamone Statistician of Xayaboury province, Enumerator
7. Mr Khammane Health staff of Xayaboury province, Enumerator

**Team 4 :**

1. Mr Ronkham Deputy of Head of Statistics Section of Huaphan province team leader.
2. Dr Kuyang Health staff of Mahosoth Hospital Deputy team leader
3. Dr Chanhdy Technician of Deputy team leader
4. Mr Phonemany Health staff of Xiengkhoang province, Enumerator
5. Mr Siphandone Statistician of Xiengkhoang province, Enumerator
6. Mr Sengchanh Health staff of Huaphan province, Enumerator
7. Mr Sivong Statistician of Huaphan province, Enumerator

**Team 5 :**

1. Mr Soulisack Phomasack Statistician of NSC, team leader and Supervisor
2. Dr Khamphue Technician of Deputy team leader
3. Ms Somkith Statistician of Champasack province, Supervisor
4. Mr Vongchanh Health staff of Vientiane Capital, Enumerator
5. Ms Bouakham Health staff of Vientiane Capital, Enumerator
6. Mr Khampasong Statistician of Vientiane Capital, Enumerator
7. Mr Vilayphan Statistician of Vientiane Capital, Enumerator

**Team 6 :**

1. Mr Sinoun Head of Statistics Section of Vientiane province team leader.
2. Dr Vimattha Technician of Deputy team leader
3. Dr Phouthong Health staff of Mother and Child Center, Supervisor
4. Mr Hualueng Health staff of Vientiane province, Enumerator
5. Ms Somphone Statistician of Vientiane province, Enumerator
6. Mr Boukhai Statistician of Borikhamxay province, Enumerator
7. Ms Dalon Health staff of Borikhamxay province, Enumerator

**Team 7 :**

1. Ms Norasin Head of Statistics Section of Savannakhet province team leader.
2. Dr Khamtan Technician of Deputy team leader
3. Mr Vanpheng Statistician of NSC, Supervisor
4. Mr Somepheth Statistician of Khammoun province, Enumerator
5. Mr Bounheng Health staff of Khammoun province, Enumerator
6. Ms Si-Umphone Statistician of Savannakhet province, Enumerator
7. Ms Sivilay Health staff of Savannakhet province, Enumerator

**Team 8 :**

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|-----------------|--|
| 1. Mr Khamking  | Deputy of Head of Statistics Section of Saravan province team leader |
| 2. Dr Phengchoi | Technician of Deputy team leader                                     |
| 3. Dr Bounkhong | Technician of  |
| 4. Mr Bounmy    | Statistician of Saravan province, Enumerator                         |
| 5. Mr Soukthavy | Health staff of Saravan province, Enumerator                         |
| 6. Ms Pon       | Statistician of Sekong province, Enumerator                          |
| 7. Ms Nuochone  | Statistician of Atapeu province, Enumerator                          |

**Team 9 :**

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|-----------------------|--|
| 1. Ms Naly<br>Leader. | Deputy of Head of Statistics Section of Champasack province team |
| 2. Ms Khampheng       | Technician of Deputy team leader                                 |
| 3. Dr Sisamoun        | Health staff of Mother and Child Center, Supervisor              |
| 4. Mr Thonkham        | Statistician of Champasack province, Enumerator                  |
| 5. Mr Orathai         | Health staff of Champasack province, Enumerator                  |
| 6. Mr Southakasy      | Health staff of Champasack province, Enumerator                  |
| 7. Mr Bounleth        | Statistician of Champasack province, Enumerator                  |

## Appendix C. Estimates of Sampling Errors

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The sample of respondents selected in the Lao PDR Multiple Indicator Cluster Survey is only one of the samples that could have been selected from the same population, using the same design and size. Each of these samples would yield results that differ somewhat from the results of the actual sample selected. Sampling errors are a measure of the variability between all possible samples. The extent of variability is not known exactly, but can be estimated statistically from the survey results.

The following sampling error measures are presented in this appendix for each of the selected indicators:

- Standard error (*se*): Sampling errors are usually measured in terms of standard errors for particular indicators (means, proportions etc). Standard error is the square root of the variance. The Taylor linearization method is used for the estimation of standard errors.
- Coefficient of variation (*se/r*) is the ratio of the standard error to the value of the indicator
- Design effect (*deff*) is the ratio of the actual variance of an indicator, under the sampling method used in the survey, to the variance calculated under the assumption of simple random sampling. The square root of the design effect (*deff*) is used to show the efficiency of the sample design. A *deff* value of 1.0 indicates that the sample design is as efficient as a simple random sample, while a *deff* value above 1.0 indicates the increase in the standard error due to the use of a more complex sample design.
- Confidence limits are calculated to show the interval within which the true value for the population can be reasonably assumed to fall. For any given statistic calculated from the survey, the value of that statistics will fall within a range of plus or minus two times the standard error ( $p + 2.se$  or  $p - 2.se$ ) of the statistic in 95 percent of all possible samples of identical size and design.

For the calculation of sampling errors from MICS data, SPSS Version 14 Complex Samples module has been used. The results are shown in the tables that follow. In addition to the sampling error measures described above, the tables also include weighted and unweighted counts of denominators for each indicator.

Sampling errors are calculated for indicators of primary interest, for the national total, for the regions, and for urban, rural with road access and rural without road access areas. Two of the selected indicators are based on households, 7 are based on household members, 3 are based on women, and 15 are based on children under 5. All indicators presented here are in the form of proportions. Table SE.1 shows the list of indicators for which sampling errors are calculated, including the base population (denominator) for each indicator. Tables SE.2 to SE.9 show the calculated sampling errors.

**Table SE.1: Indicators selected for sampling error calculations**

List of indicators selected for sampling error calculations, and base populations (denominators) for each indicator, Lao PDR, 2006

MICS Indicator	Base Population
HOUSEHOLDS	
41 Iodized salt consumption	All households
74 Child discipline	Children aged 2-14 years selected
HOUSEHOLD MEMBERS	
11 Use of improved drinking water sources	All household members
12 Use of improved sanitation facilities	All household members
55 Net primary school attendance rate	Children of primary school age
56 Net secondary school attendance rate	Children of secondary school age
59 Primary completion rate	Children of primary school completion age
71 Child labour	Children aged 5-14 years
75 Prevalence of orphans	Children aged under 18
WOMEN	
4 Skilled attendant at delivery	Women aged 15-49 years with a live birth in the last 2 years
20 Antenatal care	Women aged 15-49 years with a live birth in the last 2 years
60 Adult literacy	Women aged 15-24 years
UNDER-5s	
6 Underweight prevalence	Children under age 5
25 Tuberculosis immunization coverage	Children aged 12-23 months
26 Polio immunization coverage	Children aged 12-23 months
27 Immunization coverage for DPT	Children aged 12-23 months
28 Measles immunization coverage	Children aged 12-23 months
31 Fully immunized children	Children aged 12-23 months
- Acute respiratory infection in last two weeks	Children under age 5
22 Antibiotic treatment of suspected pneumonia	Children under age 5 with suspected pneumonia in the last 2 weeks
- Diarrhoea in last two weeks	Children under age 5
35 Received ORT or increased fluids and continued feeding	Children under age 5 with diarrhoea in the last 2 weeks
37 Under-fives sleeping under insecticide treated nets	Children under age 5
- Fever in last two weeks	Children under age 5
39 Antimalarial treatment	Children under age 5 with fever in the last 2 weeks
46 Support for learning	Children under age 5
62 Birth registration	Children under age 5

**Table SE.2: Sampling errors: Total sample**

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deff*) and confidence intervals for selected indicators, Lao PDR, 2006

	Table	Value ( <i>r</i> )	Standard error ( <i>se</i> )	Coefficient of variation ( <i>se/r</i> )	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deff</i> )	Weighted count	Unweighted count	Confidence limits	
									<i>r</i> - 2 <i>se</i>	<i>r</i> + 2 <i>se</i>
HOUSEHOLDS										
Iodized salt consumption	NU.5	0.8376	0.0125	0.0149	6.390049	2.5279	5885	5550	0.813	0.863
Child discipline	CP.4	0.7116	0.0084	0.0118	1.487414	1.2196	4817	4346	0.695	0.728
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.515	0.0104	0.0203	13.60428	3.6884	33100	31219	0.494	0.536
Use of improved sanitation facilities	EN.5	0.4479	0.0073	0.0164	6.810389	2.6097	33100	31219	0.433	0.463
Net primary school attendance rate	ED.3	0.7897	0.0127	0.0161	3.970739	1.9927	4532	4089	0.764	0.815
Net secondary school attendance rate	ED.4	0.3552	0.0137	0.0387	3.83813	1.9591	5157	4653	0.328	0.383
Primary completion rate	ED.6	0.1072	0.0140	0.1308	1.060598	1.0299	572	516	0.079	0.135
Child labour	CP.2	0.1134	0.0047	0.0414	1.864756	1.3656	9417	8497	0.104	0.123
Prevalence of orphans	HA.10	0.0658	0.0035	0.0536	2.872679	1.6949	15746	14207	0.059	0.073
WOMEN										
Skilled attendant at delivery	RH.5	0.2025	0.0144	0.0711	1.864756	1.3656	1532	1454	0.174	0.231
Antenatal care	RH.3	0.3512	0.0245	0.0698	3.83813	1.9591	1532	1454	0.302	0.400
Adult literacy	ED.8	0.6727	0.0239	0.0356	6.810389	2.6097	2774	2616	0.625	0.721
UNDER-5s										
Underweight prevalence	NU.1	0.4768	0.0108	0.0227	1.670733	1.2926	3928	3545	0.455	0.499
Tuberculosis immunization coverage	CH.2	0.6366	0.0202	0.0317	1.314928	1.1467	828	747	0.596	0.677
Polio immunization coverage	CH.2	0.4231	0.0222	0.0525	1.511426	1.2294	828	747	0.379	0.468
Immunization coverage for DPT	CH.2	0.4127	0.0210	0.0509	1.359348	1.1659	828	747	0.371	0.455
Measles immunization coverage	CH.2	0.4025	0.0219	0.0545	1.492851	1.2218	828	747	0.359	0.446
Fully immunized children	CH.2	0.2707	0.0173	0.0637	1.125572	1.0609	828	747	0.236	0.305
Acute respiratory infection in last two weeks	CH.6	0.0482	0.0212	0.4401	1.761876	1.3274	199	180	0.006	0.091
Antibiotic treatment of suspected pneumonia	CH.7	0.5213	0.0033	0.0064	0.007898	0.0889	199	180	0.515	0.528
Diarrhoea in last two weeks	CH.4	0.1241	0.0227	0.1830	2.196533	1.4821	513	463	0.079	0.169
Received ORT or increased fluids and continued feeding	CH.5	0.4918	0.0256	0.0521	1.214602	1.1021	513	463	0.441	0.543
Under-fives sleeping under insecticide treated nets	CH.11	0.4054	0.0148	0.0364	3.378447	1.8381	4136	3732	0.376	0.435
Fever in last two weeks	CH.12	0.1521	0.0084	0.0552	2.041712	1.4289	4136	3732	0.135	0.169
Antimalarial treatment	CH.12	0.0505	0.0089	0.1757	0.932912	0.9659	629	568	0.033	0.068
Support for learning	CD.1	0.2528	0.0090	0.0357	1.610715	1.2691	4136	3732	0.235	0.271
Birth registration	CP.1	0.7147	0.0228	0.0318	2.292495	1.5141	1000	902	0.669	0.760

**Table SE.3: Sampling errors: Urban areas**Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Lao PDR, 2006

Table	Value ( <i>r</i> )	Standard error ( <i>se</i> )	Coefficient of variation ( <i>se/r</i> )	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deft</i> )	Weighted count	Unweighted count	Confidence limits		
								<i>r</i> - 2 <i>se</i>	<i>r</i> + 2 <i>se</i>	
<b>HOUSEHOLDS</b>										
Iodized salt consumption	NU.5	0.90684244	0.0186	0.0205	6.390049	2.5279	1650	1557	0.870	0.944
Child discipline	CP.4	0.6573	0.0176	0.0268	1.487414	1.2196	1197	1080	0.622	0.693
<b>HOUSEHOLD MEMBERS</b>										
Use of improved drinking water sources	EN.1	0.70407779	0.0190	0.0269	13.60428	3.6884	8357	7882	0.666	0.742
Use of improved sanitation facilities	EN.5	0.83527912	0.0109	0.0131	6.810389	2.6097	8357	7882	0.813	0.857
Net primary school attendance rate	ED.3	0.92999536	0.0177	0.0190	3.970739	1.9927	916	826	0.895	0.965
Net secondary school attendance rate	ED.4	0.63836588	0.0270	0.0423	3.83813	1.9591	1344	1212	0.584	0.692
Primary completion rate	ED.6	0.29295976	0.0345	0.1178	1.060598	1.0299	204	184	0.224	0.362
Child labour	CP.2	0.07642282	0.0086	0.1121	1.864756	1.3656	1987	1793	0.059	0.094
Prevalence of orphans	HA.10	0.0738829	0.0081	0.1100	2.872679	1.6949	3299	2976	0.058	0.090
<b>WOMEN</b>										
Skilled attendant at delivery	RH.5	0.6782	0.0414	0.0611	1.864756	1.3656	250	237	0.595	0.761
Antenatal care	RH.3	0.7617	0.0542	0.0711	3.83813	1.9591	250	237	0.653	0.870
Adult literacy	ED.8	0.9310	0.0234	0.0251	6.810389	2.6097	850	802	0.884	0.978
<b>UNDER-5s</b>										
Underweight prevalence	NU.1	0.32243158	0.0252	0.0783	1.670733	1.2926	635	573	0.272	0.373
Tuberculosis immunization coverage	CH.2	0.72638525	0.0473	0.0652	1.314928	1.1467	129	117	0.632	0.821
Polio immunization coverage	CH.2	0.59211365	0.0559	0.0945	1.511426	1.2294	129	117	0.480	0.704
Immunization coverage for DPT	CH.2	0.55720924	0.0536	0.0962	1.359348	1.1659	129	117	0.450	0.664
Measles immunization coverage	CH.2	0.54449108	0.0563	0.1035	1.492851	1.2218	129	117	0.432	0.657
Fully immunized children	CH.2	0.4033637	0.0482	0.1195	1.125572	1.0609	129	117	0.307	0.500
Acute respiratory infection in last two weeks	CH.6	0.02659137	0.0523	1.9677	1.761876	1.3274	18	17	-0.078	0.131
Antibiotic treatment of suspected pneumonia	CH.7	0.87753622	0.0071	0.0081	0.007898	0.0889	18	17	0.863	0.892
Diarrhoea in last two weeks	CH.4	0.06879856	0.0571	0.8306	2.196533	1.4821	48	43	-0.045	0.183
Received ORT or increased fluids and continued feeding	CH.5	0.73132157	0.0744	0.1018	1.214602	1.1021	48	43	0.582	0.880
Under-fives sleeping under insecticide treated nets	CH.11	0.3664107	0.0354	0.0966	3.378447	1.8381	694	626	0.296	0.437
Fever in last two weeks	CH.12	0.13823882	0.0197	0.1425	2.041712	1.4289	694	626	0.099	0.178
Antimalarial treatment	CH.12	0.05111661	0.0229	0.4472	0.932912	0.9659	96	87	0.005	0.097
Support for learning	CD.1	0.42689353	0.0251	0.0588	1.610715	1.2691	694	626	0.377	0.477
Birth registration	CP.1	0.83930553	0.0597	0.0711	2.292495	1.5141	96	87	0.720	0.959

**Table SE.4: Sampling errors: Rural With Road**Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Lao PDR, 2006

	Table	Value (r)	Standard error (se)	Coefficient of variation (se/r)	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deft</i> )	Weighted count	Unweighted count	Confidence limits	
									r - 2se	r + 2se
<b>HOUSEHOLDS</b>										
Iodized salt consumption	NU.5	0.82440186	0.0180	0.0218	6.390049	2.5279	3031	2859	0.788	0.860
Child discipline	CP.4	0.7224	0.0114	0.0158	1.487414	1.2196	2542	2293	0.700	0.745
<b>HOUSEHOLD MEMBERS</b>										
Use of improved drinking water sources	EN.1	0.49625024	0.0145	0.0292	13.60428	3.6884	17117	16144	0.467	0.525
Use of improved sanitation facilities	EN.5	0.38786902	0.0100	0.0258	6.810389	2.6097	17117	16144	0.368	0.408
Net primary school attendance rate	ED.3	0.79887776	0.0169	0.0211	3.970739	1.9927	2483	2240	0.765	0.833
Net secondary school attendance rate	ED.4	0.29382892	0.0182	0.0618	3.83813	1.9591	2674	2413	0.257	0.330
Primary completion rate	ED.6	0.06118346	0.0158	0.2576	1.060598	1.0299	272	245	0.030	0.093
Child labour	CP.2	0.11632875	0.0065	0.0557	1.864756	1.3656	5057	4563	0.103	0.129
Prevalence of orphans	HA.10	0.06428225	0.0048	0.0741	2.872679	1.6949	8444	7618	0.055	0.074
<b>WOMEN</b>										
Skilled attendant at delivery	RH.5	0.1521	0.0174	0.1142	1.864756	1.3656	840	797	0.117	0.187
Antenatal care	RH.3	0.3397	0.0329	0.0968	3.83813	1.9591	840	797	0.274	0.405
Adult literacy	ED.8	0.6170	0.0351	0.0569	6.810389	2.6097	1386	1308	0.547	0.687
<b>UNDER-5s</b>										
Underweight prevalence	NU.1	0.49683078	0.0147	0.0295	1.670733	1.2926	2150	1940	0.467	0.526
Tuberculosis immunization coverage	CH.2	0.6242753	0.0267	0.0428	1.314928	1.1467	478	432	0.571	0.678
Polio immunization coverage	CH.2	0.40575707	0.0291	0.0716	1.511426	1.2294	478	432	0.348	0.464
Immunization coverage for DPT	CH.2	0.41053628	0.0276	0.0672	1.359348	1.1659	478	432	0.355	0.466
Measles immunization coverage	CH.2	0.36825845	0.0284	0.0770	1.492851	1.2218	478	432	0.312	0.425
Fully immunized children	CH.2	0.2479634	0.0221	0.0889	1.125572	1.0609	478	432	0.204	0.292
Acute respiratory infection in last two weeks	CH.6	0.05163006	0.0287	0.5560	1.761876	1.3274	116	105	-0.006	0.109
Antibiotic treatment of suspected pneumonia	CH.7	0.58932746	0.0043	0.0073	0.007898	0.0889	116	105	0.581	0.598
Diarrhoea in last two weeks	CH.4	0.13576192	0.0306	0.2254	2.196533	1.4821	305	275	0.075	0.197
Received ORT or increased fluids and continued feeding	CH.5	0.44331486	0.0330	0.0744	1.214602	1.1021	305	275	0.377	0.509
Under-fives sleeping under insecticide treated nets	CH.11	0.45521933	0.0203	0.0447	3.378447	1.8381	2247	2028	0.415	0.496
Fever in last two weeks	CH.12	0.15285818	0.0114	0.0747	2.041712	1.4289	2247	2028	0.130	0.176
Antimalarial treatment	CH.12	0.05760602	0.0128	0.2219	0.932912	0.9659	343	310	0.032	0.083
Support for learning	CD.1	0.23026808	0.0119	0.0515	1.610715	1.2691	2247	2028	0.207	0.254
Birth registration	CP.1	0.72082291	0.0311	0.0431	2.292495	1.5141	529	477	0.659	0.783

**Table SE.5: Sampling errors: Rural Without Road**Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Lao PDR, 2006

	Table	Value ( <i>r</i> )	Standard error ( <i>se</i> )	Coefficient of variation ( <i>se/r</i> )	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deft</i> )	Weighted count	Unweighted count	Confidence limits	
									<i>r</i> - 2 <i>se</i>	<i>r</i> + 2 <i>se</i>
<b>HOUSEHOLDS</b>										
Iodized salt consumption	NU.5	0.7758334	0.0313	0.0403	6.390049	2.5279	1203	1135	0.713	0.838
Child discipline	CP.4	0.7466	0.0170	0.0228	1.487414	1.2196	1079	973	0.713	0.781
<b>HOUSEHOLD MEMBERS</b>										
Use of improved drinking water sources	EN.1	0.3497527	0.0207	0.0593	13.60428	3.6884	7626	7193	0.308	0.391
Use of improved sanitation facilities	EN.5	0.1582771	0.0112	0.0710	6.810389	2.6097	7626	7193	0.136	0.181
Net primary school attendance rate	ED.3	0.6560344	0.0296	0.0451	3.970739	1.9927	1133	1022	0.597	0.715
Net secondary school attendance rate	ED.4	0.1651449	0.0227	0.1374	3.83813	1.9591	1139	1027	0.120	0.211
Primary completion rate	ED.6	0.0151166	0.0135	0.8946	1.060598	1.0299	96	86	-0.012	0.042
Child labour	CP.2	0.1379789	0.0102	0.0738	1.864756	1.3656	2373	2141	0.118	0.158
Prevalence of orphans	HA.10	0.0623267	0.0068	0.1094	2.872679	1.6949	4003	3612	0.049	0.076
<b>WOMEN</b>										
Skilled attendant at delivery	RH.5	0.0295	0.0113	0.3822	1.864756	1.3656	442	420	0.007	0.052
Antenatal care	RH.3	0.1409	0.0333	0.2361	3.83813	1.9591	442	420	0.074	0.207
Adult literacy	ED.8	0.4079	0.0570	0.1396	6.810389	2.6097	538	507	0.294	0.522
<b>UNDER-5s</b>										
Underweight prevalence	NU.1	0.5250241	0.0201	0.0383	1.670733	1.2926	1143	1031	0.485	0.565
Tuberculosis immunization coverage	CH.2	0.6108447	0.0397	0.0650	1.314928	1.1467	220	198	0.531	0.690
Polio immunization coverage	CH.2	0.3627764	0.0420	0.1157	1.511426	1.2294	220	198	0.279	0.447
Immunization coverage for DPT	CH.2	0.3319618	0.0390	0.1174	1.359348	1.1659	220	198	0.254	0.410
Measles immunization coverage	CH.2	0.3923025	0.0423	0.1079	1.492851	1.2218	220	198	0.308	0.477
Fully immunized children	CH.2	0.2427469	0.0323	0.1330	1.125572	1.0609	220	198	0.178	0.307
Acute respiratory infection in last two weeks	CH.6	0.0542025	0.0393	0.7254	1.761876	1.3274	65	58	-0.024	0.133
Antibiotic treatment of suspected pneumonia	CH.7	0.2978347	0.0053	0.0179	0.007898	0.0889	65	58	0.287	0.308
Diarrhoea in last two weeks	CH.4	0.1342622	0.0420	0.3128	2.196533	1.4821	160	145	0.050	0.218
Received ORT or increased fluids and continued feeding	CH.5	0.5126047	0.0458	0.0893	1.214602	1.1021	160	145	0.421	0.604
Under-fives sleeping under insecticide treated nets	CH.11	0.3344426	0.0264	0.0790	3.378447	1.8381	1195	1078	0.282	0.387
Fever in last two weeks	CH.12	0.1587445	0.0159	0.1002	2.041712	1.4289	1195	1078	0.127	0.191
Antimalarial treatment	CH.12	0.0374665	0.0140	0.3743	0.932912	0.9659	190	171	0.009	0.066
Support for learning	CD.1	0.1938468	0.0153	0.0788	1.610715	1.2691	1195	1078	0.163	0.224
Birth registration	CP.1	0.6309151	0.0397	0.0630	2.292495	1.5141	375	338	0.551	0.710

**Table SE.6: Sampling errors: North region**

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deff*) and confidence intervals for selected indicators, Lao PDR, 2006

	Table	Value ( <i>r</i> )	Standard error ( <i>se</i> )	Coefficient of variation ( <i>se/r</i> )	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deff</i> )	Weighted count	Unweighted count	Confidence limits	
									<i>r</i> - 2 <i>se</i>	<i>r</i> + 2 <i>se</i>
<b>HOUSEHOLDS</b>										
Iodized salt consumption	NU.5	0.84219209	0.0211	0.0250	5.784052	2.4050	1838	1733	0.800	0.884
Child discipline	CP.4	0.7378	0.0142	0.0193	1.500128	1.2248	1590	1435	0.709	0.766
<b>HOUSEHOLD MEMBERS</b>										
Use of improved drinking water sources	EN.1	0.56736719	0.0200	0.0352	16.62585	4.0775	10836	10220	0.527	0.607
Use of improved sanitation facilities	EN.5	0.43383843	0.0138	0.0319	7.968142	2.8228	10836	10220	0.406	0.462
Net primary school attendance rate	ED.3	0.75247196	0.0231	0.0307	3.970739	1.9927	1537	1386	0.706	0.799
Net secondary school attendance rate	ED.4	0.29839369	0.0227	0.0762	3.83813	1.9591	1722	1554	0.253	0.344
Primary completion rate	ED.6	0.06906359	0.0213	0.3083	1.060598	1.0299	167	150	0.026	0.112
Child labour	CP.2	0.15079625	0.0090	0.0600	1.864756	1.3656	3232	2916	0.133	0.169
Prevalence of orphans	HA.10	0.06882331	0.0062	0.0897	2.872679	1.6949	5357	4834	0.056	0.081
<b>WOMEN</b>										
Skilled attendant at delivery	RH.5	0.1443	0.0000	0.0000	1.3656	0.0000	542	514	0.144	0.144
Antenatal care	RH.3	0.2786	0.0000	0.0000	1.9591	0.0000	542	514	0.279	0.279
Adult literacy	ED.8	0.5732	0.0000	0.0000	2.6097	0.0000	943	889	0.573	0.573
<b>UNDER-5s</b>										
Underweight prevalence	NU.1	0.50432761	0.0181	0.0359	1.601509	1.2655	1352	1220	0.468	0.541
Tuberculosis immunization coverage	CH.2	0.65517082	0.0461	0.0704	2.314694	1.5214	273	246	0.563	0.747
Polio immunization coverage	CH.2	0.39984652	0.0437	0.1094	1.96275	1.4010	273	246	0.312	0.487
Immunization coverage for DPT	CH.2	0.39447538	0.0412	0.1045	1.750492	1.3231	273	246	0.312	0.477
Measles immunization coverage	CH.2	0.32491802	0.0355	0.1094	1.416711	1.1903	273	246	0.254	0.396
Fully immunized children	CH.2	0.20376139	0.0310	0.1521	1.457603	1.2073	273	246	0.142	0.266
Acute respiratory infection in last two weeks	CH.6	0.04567314	0.0334	0.7319	1.49217	1.2215	65	58	-0.021	0.113
Antibiotic treatment of suspected pneumonia	CH.7	0.46772911	0.0715	0.1528	1.194342	1.0929	65	58	0.325	0.611
Diarrhoea in last two weeks	CH.4	0.11428442	0.0351	0.3068	1.769437	1.3302	161	146	0.044	0.184
Received ORT or increased fluids and continued feeding	CH.5	0.52412478	0.0391	0.0745	0.891052	0.9440	161	146	0.446	0.602
Under-fives sleeping under insecticide treated nets	CH.11	0.41550972	0.0271	0.0653	3.858739	1.9644	1413	1274	0.361	0.470
Fever in last two weeks	CH.12	0.11610378	0.0120	0.1031	1.779357	1.3339	1413	1274	0.092	0.140
Antimalarial treatment	CH.12	0.10815826	0.0208	0.1927	0.666138	0.8162	164	148	0.066	0.150
Support for learning	CD.1	0.23286182	0.0155	0.0667	1.723179	1.3127	1413	1274	0.202	0.264
Birth registration	CP.1	0.59048605	0.0416	0.0704	3.245278	1.8015	504	454	0.507	0.674

**Table SE.7: Sampling errors: Central Region**Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Lao PDR, 2006

	Table	Value ( <i>r</i> )	Standard error ( <i>se</i> )	Coefficient of variation ( <i>se/r</i> )	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deft</i> )	Weighted count	Unweighted count	Confidence limits	
									<i>r</i> - 2 <i>se</i>	<i>r</i> + 2 <i>se</i>
<b>HOUSEHOLDS</b>										
Iodized salt consumption	NU.5	0.81036863	0.0179	0.0220	5.627827	2.3723	2876	2713	0.775	0.846
Child discipline	CP.4	0.6894	0.0113	0.0164	1.192014	1.0918	2212	1996	0.667	0.712
<b>HOUSEHOLD MEMBERS</b>										
Use of improved drinking water sources	EN.1	0.46960198	0.0135	0.0287	10.5807	3.2528	15348	14476	0.443	0.497
Use of improved sanitation facilities	EN.5	0.53496105	0.0097	0.0181	5.456979	2.3360	15348	14476	0.516	0.554
Net primary school attendance rate	ED.3	0.81394986	0.0183	0.0225	3.970739	1.9927	1981	1788	0.777	0.851
Net secondary school attendance rate	ED.4	0.42347219	0.0210	0.0495	3.83813	1.9591	2360	2130	0.382	0.465
Primary completion rate	ED.6	0.339	0.0298	0.0880	1.060598	1.0299	296	267	0.279	0.399
Child labour	CP.2	0.09726474	0.0067	0.0687	1.864756	1.3656	4069	3671	0.084	0.111
Prevalence of orphans	HA.10	0.06581376	0.0000	0.0000		0.0000	6884	6211	0.066	0.066
<b>WOMEN</b>										
Skilled attendant at delivery	RH.5	0.2823	0.0000	0.0000	1.3656	0.0000	625	593	0.282	0.282
Antenatal care	RH.3	0.4437	0.0000	0.0000	1.9591	0.0000	625	593	0.444	0.444
Adult literacy	ED.8	0.7622	0.0000	0.0000	2.6097	0.0000	1324	1249	0.762	0.762
<b>UNDER-5s</b>										
Underweight prevalence	NU.1	0.43025561	0.0164	0.0380	1.601509	1.2655	1625	1466	0.398	0.463
Tuberculosis immunization coverage	CH.2	0.54831062	0.0428	0.0781	2.314694	1.5214	346	312	0.463	0.634
Polio immunization coverage	CH.2	0.4231922	0.0392	0.0926	1.96275	1.4010	346	312	0.345	0.502
Immunization coverage for DPT	CH.2	0.39661862	0.0366	0.0923	1.750492	1.3231	346	312	0.323	0.470
Measles immunization coverage	CH.2	0.39728	0.0330	0.0830	1.416711	1.1903	346	312	0.331	0.463
Fully immunized children	CH.2	0.29119637	0.0310	0.1066	1.457603	1.2073	346	312	0.229	0.353
Acute respiratory infection in last two weeks	CH.6	0.05547237	0.0299	0.5388	1.49217	1.2215	97	88	-0.004	0.115
Antibiotic treatment of suspected pneumonia	CH.7	0.47125465	0.0583	0.1237	1.194342	1.0929	97	88	0.355	0.588
Diarrhoea in last two weeks	CH.4	0.11402469	0.0315	0.2764	1.769437	1.3302	199	180	0.051	0.177
Received ORT or increased fluids and continued feeding	CH.5	0.44876608	0.0350	0.0780	0.891052	0.9440	199	180	0.379	0.519
Under-fives sleeping under insecticide treated nets	CH.11	0.32066035	0.0231	0.0720	3.858739	1.9644	1749	1578	0.274	0.367
Fever in last two weeks	CH.12	0.17869748	0.0129	0.0720	1.779357	1.3339	1749	1578	0.153	0.204
Antimalarial treatment	CH.12	0.00456005	0.0033	0.7181	0.666138	0.8162	313	282	-0.002	0.011
Support for learning	CD.1	0.23207331	0.0140	0.0601	1.723179	1.3127	1749	1578	0.204	0.260
Birth registration	CP.1	0.83665208	0.0372	0.0445	3.245278	1.8015	355	321	0.762	0.911

**Table SE.8: Sampling errors: Rural Without Road**Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deff*) and confidence intervals for selected indicators, Lao PDR, 2006

	Table	Value ( <i>r</i> )	Standard error ( <i>se</i> )	Coefficient of variation ( <i>se/r</i> )	Design effect ( <i>deff</i> )	Square root of design effect ( <i>deff</i> )	Weighted count	Unweighted count	Confidence limits	
									<i>r</i> - 2 <i>se</i>	<i>r</i> + 2 <i>se</i>
<b>HOUSEHOLDS</b>										
Iodized salt consumption	NU.5	0.8972824	0.0223	0.0249	5.959528	2.4412	1170	1104	0.853	0.942
Child discipline	CP.4	0.7191	0.0172	0.0240	1.346471	1.1604	1015	916	0.685	0.754
<b>HOUSEHOLD MEMBERS</b>										
Use of improved drinking water sources	EN.1	0.5335563	0.0211	0.0395	11.65934	3.4146	6916	6523	0.491	0.576
Use of improved sanitation facilities	EN.5	0.2769054	0.0146	0.0526	6.916748	2.6300	6916	6523	0.248	0.306
Net primary school attendance rate	ED.3	0.7985463	0.0264	0.0331	3.970739	1.9927	1014	915	0.746	0.851
Net secondary school attendance rate	ED.4	0.2962532	0.0287	0.0970	3.83813	1.9591	1074	969	0.239	0.354
Primary completion rate	ED.6	0.261	0.0455	0.1744	1.060598	1.0299	109	99	0.170	0.352
Child labour	CP.2	0.0871484	0.0088	0.1011	1.864756	1.3656	2116	1909	0.070	0.105
Prevalence of orphans	HA.10	0.0611349	0.0072	0.1181	2.872679	1.6949	3504	3162	0.047	0.076
<b>WOMEN</b>										
Skilled attendant at delivery	RH.5	0.1526	0.0000	0.0000	1.3656	0.0000	366	347	0.153	0.153
Antenatal care	RH.3	0.3005	0.0000	0.0000	1.9591	0.0000	366	347	0.301	0.301
Adult literacy	ED.8	0.6239	0.0000	0.0000	2.6097	0.0000	507	478	0.624	0.624
<b>UNDER-5s</b>										
Underweight prevalence	NU.1	0.5172295	0.0216	0.0417	1.601509	1.2655	951	859	0.474	0.560
Tuberculosis immunization coverage	CH.2	0.7602603	0.0473	0.0623	2.314694	1.5214	209	188	0.666	0.855
Polio immunization coverage	CH.2	0.4537404	0.0508	0.1120	1.96275	1.4010	209	188	0.352	0.555
Immunization coverage for DPT	CH.2	0.4639333	0.0481	0.1036	1.750492	1.3231	209	188	0.368	0.560
Measles immunization coverage	CH.2	0.5154793	0.0433	0.0841	1.416711	1.1903	209	188	0.429	0.602
Fully immunized children	CH.2	0.3254653	0.0412	0.1266	1.457603	1.2073	209	188	0.243	0.408
Acute respiratory infection in last two weeks	CH.6	0.0386852	0.0404	1.0440	1.49217	1.2215	38	34	-0.042	0.119
Antibiotic treatment of suspected pneumonia	CH.7	0.7417413	0.0820	0.1106	1.194342	1.0929	38	34	0.578	0.906
Diarrhoea in last two weeks	CH.4	0.1563543	0.0412	0.2635	1.769437	1.3302	152	137	0.074	0.239
Received ORT or increased fluids and continued feeding	CH.5	0.5137795	0.0402	0.0783	0.891052	0.9440	152	137	0.433	0.594
Under-fives sleeping under insecticide treated nets	CH.11	0.5429258	0.0330	0.0608	3.858739	1.9644	975	879	0.477	0.609
Fever in last two weeks	CH.12	0.1565609	0.0163	0.1044	1.779357	1.3339	975	879	0.124	0.189
Antimalarial treatment	CH.12	0.0828068	0.0192	0.2315	0.666138	0.8162	153	138	0.044	0.121
Support for learning	CD.1	0.3186974	0.0206	0.0647	1.723179	1.3127	975	879	0.277	0.360
Birth registration	CP.1	0.8366521	0.0590	0.0705	3.245278	1.8015	141	127	0.719	0.955

## Appendix D. Data Quality Tables

**Table DQ.1: Age distribution of household population**

Single-year age distribution of household population by sex (weighted), Lao PDR, 2006

Age	Males		Females		Age	Males		Females	
	Number	Percent	Number	Percent		Number	Percent	Number	Percent
0	426	2.6	397	2.4	41	153	0.9	142	0.9
1	403	2.4	400	2.4	42	159	1.0	158	0.9
2	410	2.5	408	2.5	43	158	1.0	164	1.0
3	471	2.9	446	2.7	44	144	0.9	132	0.8
4	354	2.1	315	1.9	45	222	1.3	213	1.3
5	499	3.0	502	3.0	46	151	0.9	145	0.9
6	528	3.2	499	3.0	47	119	0.7	129	0.8
7	444	2.7	452	2.7	48	148	0.9	116	0.7
8	460	2.8	451	2.7	49	124	0.8	39	0.2
9	468	2.8	392	2.4	50	171	1.0	294	1.8
10	505	3.1	514	3.1	51	100	0.6	147	0.9
11	417	2.5	428	2.6	52	141	0.9	132	0.8
12	516	3.1	468	2.8	53	87	0.5	119	0.7
13	499	3.0	487	2.9	54	105	0.6	101	0.6
14	386	2.3	503	3.0	55	114	0.7	131	0.8
15	490	3.0	312	1.9	56	99	0.6	83	0.5
16	423	2.6	400	2.4	57	59	0.4	73	0.4
17	338	2.1	335	2.0	58	73	0.4	73	0.4
18	340	2.1	356	2.1	59	69	0.4	45	0.3
19	274	1.7	252	1.5	60	117	0.7	125	0.8
20	319	1.9	334	2.0	61	45	0.3	52	0.3
21	226	1.4	221	1.3	62	58	0.3	54	0.3
22	233	1.4	281	1.7	63	57	0.3	57	0.3
23	205	1.2	230	1.4	64	40	0.2	57	0.3
24	204	1.2	248	1.5	65	110	0.7	80	0.5
25	266	1.6	286	1.7	66	45	0.3	38	0.2
26	200	1.2	239	1.4	67	39	0.2	41	0.2
27	183	1.1	199	1.2	68	28	0.2	49	0.3
28	213	1.3	253	1.5	69	20	0.1	34	0.2
29	190	1.2	180	1.1	70	68	0.4	68	0.4
30	276	1.7	286	1.7	71	18	0.1	22	0.1
31	185	1.1	214	1.3	72	32	0.2	30	0.2
32	184	1.1	232	1.4	73	24	0.1	20	0.1
33	171	1.0	201	1.2	74	12	0.1	13	0.1
34	156	0.9	207	1.2	75	36	0.2	43	0.3
35	271	1.6	267	1.6	76	27	0.2	31	0.2
36	163	1.0	214	1.3	77	12	0.1	9	0.1
37	179	1.1	171	1.0	78	31	0.2	17	0.1
38	214	1.3	203	1.2	79	9	0.1	18	0.1
39	187	1.1	153	0.9	80+	115	0.7	143	0.9
40	239	1.5	234	1.4	DK/Missing	12	0.1	23	0.1
					<b>Total</b>	<b>16,467</b>	<b>100.0</b>	<b>16,633</b>	<b>100.0</b>

**Table DQ.2: Age distribution of eligible and interviewed women**

Household population of women age 10-54, interviewed women age 15-49, and percentage of eligible women who were interviewed (weighted), by five-year age group, Lao PDR, 2006

Age	Household population of women age 10-54	Interviewed women age 15-49		Percentage of eligible women interviewed
	Number	Number	Percent	
10-14	2,399	na	na	na
15-19	1,655	1,546	20.8	93.4
20-24	1,314	1,241	16.7	94.4
25-29	1,158	1,117	15.1	96.5
30-34	1,141	1,109	14.9	97.2
35-39	1,009	979	13.2	97.0
40-44	830	809	10.9	97.5
45-49	642	621	8.4	96.8
50-54	793	na	na	na
<b>15-49</b>	<b>7,748</b>	<b>7,422</b>	<b>100.0</b>	<b>95.8</b>

na: not applicable

Note: Weights for both household population of women and interviewed women are household weights. Age is based on the household schedule.

**Table DQ.3: Age distribution of eligible and interviewed under-5s**

Household population of children age 0-4, children whose mothers/caretakers were interviewed, and percentage of under-5 children whose mothers/caretakers were interviewed (weighted), by five-year age group, Lao PDR, 2006

Age	Household population of children age 0-7	Interviewed children age 0-4		Percentage of eligible children interviewed
	Number	Number	Percent	
0	824	800	20.2	97.1
1	803	782	19.8	97.4
2	818	810	20.4	99.0
3	917	904	22.8	98.7
4	669	664	16.8	99.3
5	1,001	na	na	Na
6	1,026	na	na	Na
7	896	na	na	Na
<b>0-4</b>	<b>4,030</b>	<b>3,960</b>	<b>100.0</b>	<b>98.3</b>

na: not applicable

Note: Weights for both household population of children and interviewed children are household weights. Age is based on the household schedule.

**Table DQ.4: Age distribution of under-5 children**

Age distribution of under-5 children by 3-month groups (weighted), Lao PDR, 2006

	Males		Females		Total	
	Number	Percent	Number	Percent	Number	Percent
<b>Age in months</b>						
0-2	97	4.6	102	5.0	200	4.8
3-5	125	5.9	127	6.3	251	6.1
6-8	100	4.8	81	4.0	181	4.4
9-11	90	4.2	83	4.1	172	4.2
12-14	131	6.2	117	5.8	249	6.0
15-17	97	4.6	103	5.1	201	4.9
18-20	91	4.3	93	4.6	184	4.5
21-23	94	4.4	100	5.0	194	4.7
24-26	124	5.9	129	6.4	253	6.1
27-29	113	5.4	92	4.6	205	5.0
30-32	91	4.3	97	4.8	188	4.6
33-35	92	4.4	109	5.4	200	4.8
36-38	148	7.0	169	8.3	316	7.7
39-41	108	5.1	104	5.2	212	5.1
42-44	117	5.6	95	4.7	213	5.1
45-47	109	5.2	87	4.3	196	4.7
48-50	153	7.2	124	6.1	277	6.7
51-53	84	4.0	80	3.9	164	4.0
54-56	69	3.3	53	2.6	122	3.0
57-59	77	3.6	80	4.0	157	3.8
<b>Total</b>	<b>2,109</b>	<b>100.0</b>	<b>2,027</b>	<b>100.0</b>	<b>4,136</b>	<b>100.0</b>

**Table DQ.5: Heaping on ages and periods**

Age and period ratios at boundaries of eligibility by type of information collected (weighted), Lao PDR, 2006

	Age and period ratios*			Eligibility boundary (lower-upper)	Module or questionnaire
	Males	Females	Total		
<b>Age in household questionnaire</b>					
1	0.98	1.00	0.99		
2	0.96	0.98	0.97	Lower	Child discipline and child disability
3	1.14	1.14	1.14		
4	0.80	0.75	0.78	Upper	Under-5 questionnaire
5	1.08	1.14	1.11	Lower	Child labour and education
6	1.08	1.03	1.05		
8	1.01	1.04	1.03		
9	0.98	0.87	0.92	Upper	Child disability
10	1.09	1.16	1.12		
13	1.07	1.00	1.03		
14	0.84	1.16	1.00	Upper	Child labour and child discipline
15	1.13	0.77	0.96	Lower	Women's questionnaire
16	1.02	1.15	1.07		
17	0.92	0.92	0.92	Upper	Orphaned and vulnerable children
18	1.07	1.07	1.07		
23	0.96	0.91	0.93		
24	0.91	0.97	0.94	Upper	Education
25	1.19	1.11	1.15		
48	1.14	1.23	1.17		
49	0.84	0.26	0.55	Upper	Women's questionnaire
50	1.30	1.84	1.59		
<b>Age in women's questionnaire</b>					
23	na	0.91	na		
24	na	0.96	na	Upper	Sexual behaviour
25	na	1.13	na		
<b>Months since last birth in women's questionnaire</b>					
6-11	na	0.51	na		
12-17	na	1.14	na		
18-23	na	1.07	na	Upper	Tetanus toxoid and maternal and child health
24-29	na	1.16	na		
30-35	na	0.88	na		

\* Age or period ratios are calculated as  $x / ((x_{n-1} + x_n + x_{n+1}) / 3)$ , where x is age or period.

na: not applicable

**Table DQ.6: Completeness of reporting**

Percentage of observations missing information for selected questions and indicators (weighted), Lao PDR, 2006

Questionnaire and Subject	Reference group	Percent with missing information*	Number of cases
<b>Household</b>			
Salt testing	All households surveyed	0.1	5,894
<b>Under-5</b>			
Date of Birth	All under five children surveyed		
Month only		0.5	4136
Month and year missing		0.0	4136
Anthropometry	All under five children surveyed		
Height		1.6	4136
Weight		1.7	4136
Height or Weight		1.7	4136

\* Includes "Don't know" responses

**Table DQ.7: Presence of mother in the household and the person interviewed for the under-5 questionnaire**

Distribution of children under five by whether the mother lives in the same household, and the person interviewed for the under-5 questionnaire (weighted), Lao PDR, 2006

Age	Mother in the household				Mother not in the household			Total	Number of children aged 0-4 years
	Mother interviewed	Father interviewed	Other adult female interviewed	Other adult male interviewed	Father interviewed	Other adult female interviewed	Other adult male interviewed		
0	98.0	0.0	1.2	0.0	0.2	0.6	0.0	100.0	824
1	95.9	0.7	1.0	0.0	0.0	2.1	0.0	100.0	803
2	94.7	0.3	1.2	0.1	0.0	3.7	0.1	100.0	818
3	95.9	0.2	0.7	0.0	0.7	2.2	0.1	100.0	917
4	95.6	0.1	0.6	0.0	0.4	3.2	0.0	100.0	669
Total	96.0	0.3	0.9	0.0	0.3	2.3	0.0	100.0	4,030

**Table DQ.8: School attendance by single age**

Distribution of household population age 5-24 by educational level and grade attended in the current year (weighted), Lao PDR, 2006

Age	Primary school					Secondary school						Higher*	Non-standard curriculum	Don't know	Not attending school**	Total	Number	
	Preschool	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5							Grade 6
5	7.2	11.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	na	0.0	0.0	80.8	100	1,001
6	2.7	32.1	5.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	na	0.0	0.1	58.9	100	1,026
7	0.7	38.9	19.0	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	na	0.0	0.0	36.1	100	896
8	0.4	31.9	27.7	12.7	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	na	0.0	0.0	24.9	100	912
9	0.0	22.2	29.1	21.1	10.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	na	0.0	0.0	14.5	100	860
10	0.0	15.0	21.2	23.4	15.2	7.7	1.5	0.2	0.0	0.0	0.0	0.0	na	0.0	0.0	15.8	100	1,018
11	0.0	6.1	15.9	19.3	18.7	16.5	8.6	1.7	0.5	0.0	0.0	0.0	na	0.0	0.0	12.6	100	845
12	0.0	4.5	11.1	13.5	17.1	17.2	12.3	6.9	0.9	0.0	0.0	0.0	na	0.0	0.0	16.3	100	983
13	0.0	2.4	5.9	8.9	10.7	16.3	12.0	12.3	8.7	1.0	0.3	0.0	na	0.0	0.0	21.5	100	986
14	0.0	1.0	3.0	4.9	7.5	10.5	9.9	11.2	11.1	7.5	1.8	0.2	na	0.0	0.0	31.4	100	889
15	0.0	0.1	1.2	3.4	5.5	6.1	6.0	8.6	10.8	9.9	5.4	2.0	na	0.0	0.2	40.8	100	802
16	0.0	0.2	0.7	2.1	1.8	2.7	2.9	5.9	8.8	7.3	9.8	7.2	na	0.1	0.1	50.4	100	823
17	0.0	0.7	0.4	0.3	0.4	0.9	1.4	2.1	4.0	5.0	10.3	12.2	na	0.1	0.0	62.2	100	673
18	0.0	0.0	0.7	0.2	0.5	0.8	0.8	1.6	3.0	2.5	3.9	8.6	na	0.0	0.0	77.3	100	696
19	0.0	0.0	0.2	0.1	0.0	0.4	0.8	0.3	1.4	1.9	2.0	5.6	na	0.0	0.0	87.4	100	526
20	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.5	0.9	1.4	2.9	na	0.0	0.0	93.9	100	652
21	0.0	0.0	0.2	0.5	0.0	0.2	0.0	0.1	0.3	0.0	0.7	1.6	na	0.0	0.0	96.4	100	447
22	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.3	0.5	2.0	na	0.0	0.0	96.9	100	513
23	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.1	na	0.0	0.0	99.3	100	435
24	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	na	0.0	0.0	99.5	100	453
Total	0.7	10.1	8.5	6.9	5.4	4.9	3.3	2.9	2.7	1.9	1.7	1.9	na	0.0	0.0	49.1		15,438

\* The Lao questionnaire did not provide an option to code for higher education, therefore this cannot be determined.

\*\* No accuracy of the result - partially age cohort which expected to attend the higher education is not recorded.

**Table DQ.9: Sex ratio at birth among children ever born and living – unable to generate (the related questionnaires were skipped out from the Lao MICS3 questionnaires)**

**Table DQ.10: Distribution of women by time since last birth**

Distribution of women aged 15-49 with at least one live birth, by months since last birth (weighted), Lao PDR, 2006

	Months since last birth				
	Number	Percent	Number	Percent	
0	45	2.4	16	3.5	
1	87	4.7	17	2.9	
2	68	3.7	18	2.7	
3	82	4.4	19	2.7	
4	88	4.8	20	3.2	
5	67	3.6	21	3.1	
6	64	3.5	22	2.6	
7	47	2.5	23	2.5	
8	60	3.3	24	3.4	
9	65	3.5	25	3.2	
10	59	3.2	26	2.2	
11	52	2.8	27	3.1	
12	88	4.7	28	2.3	
13	76	4.1	29	2.5	
14	69	3.7	30	1.8	
15	63	3.4			
			Total	1,852	100.0

## Appendix E. MICS Indicators: Numerators and Denominators

INDICATOR	NUMERATOR	DENOMINATOR
4 Skilled attendant at delivery	Number of women aged 15-49 years with a birth in the 2 years preceding the survey that were attended during childbirth by skilled health personnel	Total number of women surveyed aged 15-49 years with a birth in the 2 years preceding the survey
5 Institutional deliveries	Number of women aged 15-49 years with a birth in the 2 years preceding the survey that delivered in a health facility	Total number of women surveyed aged 15-49 years with a birth in 2 years preceding the survey
6 Underweight prevalence	Number of children under age five that fall below minus two standard deviations from the median weight for age of the NCHS/WHO standard (moderate and severe); number that fall below minus three standard deviations (severe)	Total number of children under age five that were weighed
7 Stunting prevalence	Number of children under age five that fall below minus two standard deviations from the median height for age of the NCHS/WHO standard (moderate and severe); number that fall below minus three standard deviations (severe)	Total number of children under age five measured
8 Wasting prevalence	Number of children under age five that fall below minus two standard deviations from the median weight for height of the NCHS/WHO standard (moderate and severe); number that fall below minus three standard deviations (severe)	Total number of children under age five weighed and measured
9 Low-birthweight infants	Number of last live births in the 2 years preceding the survey weighing below 2,500 grams	Total number of last live births in the 2 years preceding the survey
10 Infants weighed at birth	Number of last live births in the 2 years preceding the survey that were weighed at birth	Total number of last live births in the 2 years preceding the survey
11 Use of improved drinking water sources	Number of household members living in households using improved sources of drinking water	Total number of household members in households surveyed
12 Use of improved sanitation facilities	Number of household members using improved sanitation facilities	Total number of household members in households surveyed
13 Water treatment	Number of household members using water that has been treated	Total number of household members in households surveyed
14 Disposal of child's faeces	Number of children under age three whose (last) stools were disposed of safely	Total number of children under age three surveyed
15 Exclusive breastfeeding rate	Number of infants aged 0-5 months that are exclusively breastfed	Total number of infants aged 0-5 months surveyed
16 Continued breastfeeding rate	Number of infants aged 12-15 months, and 20-23 months, that are currently breastfeeding	Total number of children aged 12-15 months and 20-23 months surveyed
17 Timely complementary feeding rate	Number of infants aged 6-9 months that are receiving breastmilk and complementary foods	Total number of infants aged 6-9 months surveyed

INDICATOR	NUMERATOR	DENOMINATOR
18 Frequency of complementary feeding	Number of infants aged 6-11 months that receive breastmilk and complementary food at least the minimum recommended number of times per day (two times per day for infants aged 6-8 months, three times per day for infants aged 9-11 months)	Total number of infants aged 6-11 months surveyed
19 Adequately fed infants	Number of infants aged 0-11 months that are appropriately fed: infants aged 0-5 months that are exclusively breastfed and infants aged 6-11 months that are breastfed and ate solid or semi-solid foods the appropriate number of times (see above) yesterday	Total number of infants aged 0-11 months surveyed
20 Antenatal care	Number of women aged 15-49 years that were attended at least once during pregnancy in the 2 years preceding the survey by skilled health personnel	Total number of women surveyed aged 15-49 years with a birth in the 2 years preceding the survey
22 Antibiotic treatment of suspected pneumonia	Number of children aged 0-59 months with suspected pneumonia in the previous 2 weeks receiving antibiotics	Total number of children aged 0-59 months with suspected pneumonia in the previous 2 weeks
23 Care-seeking for suspected pneumonia	Number of children aged 0-59 months with suspected pneumonia in the previous 2 weeks that are taken to an appropriate health provider	Total number of children aged 0-59 months with suspected pneumonia in the previous 2 weeks
24 Solid fuels	Number of residents in households that use solid fuels (wood, charcoal, crop residues and dung) as the primary source of domestic energy to cook	Total number of residents in households surveyed
25 Tuberculosis immunization coverage	Number of children aged 12-23 months receiving BCG vaccine before their first birthday	Total number of children aged 12-23 months surveyed
26 Polio immunization coverage	Number of children aged 12-23 months receiving OPV3 vaccine before their first birthday	Total number of children aged 12-23 months surveyed
27 Immunization coverage for diphtheria, pertussis and tetanus (DPT) and Hep B	Number of children aged 12-23 months receiving DPT3 +HepB vaccine before their first birthday	Total number of children aged 12-23 months surveyed
28 Measles immunization coverage	Number of children aged 12-23 months receiving measles vaccine before their first birthday	Total number of children aged 12-23 months surveyed
31 Fully immunized children	Number of children aged 12-23 months receiving DPT1-3, OPV-1-3, BCG and measles vaccines before their first birthday	Total number of children aged 12-23 months surveyed
32 Neonatal tetanus protection	Number of mothers with live births in the previous year that were given at least two doses of tetanus toxoid (TT) vaccine within the appropriate interval prior to giving birth	Total number of women surveyed aged 15-49 years with a birth in the year preceding the survey
33 Use of oral rehydration therapy (ORT)	Number of children aged 0-59 months with diarrhoea in the previous 2 weeks that received oral rehydration salts and/or an appropriate household solution	Total number of children aged 0-59 months with diarrhoea in the previous 2 weeks
34 Home management of diarrhoea	Number of children aged 0-59 months with diarrhoea in the previous 2 weeks that received more fluids AND continued eating somewhat less, the same or more food	Total number of children aged 0-59 months with diarrhoea in the previous 2 weeks
35 Received ORT or increased fluids and continued feeding	Number of children aged 0-59 months with diarrhoea that received ORT (oral rehydration salts or an appropriate household solution) or received more fluids AND continued eating somewhat less, the same or more food	Total number of children aged 0-59 months with diarrhoea in the previous 2 weeks
36 Household availability of insecticide-treated nets (ITNs)	Number of households with at least one mosquito net, either permanently treated or treated within the previous year	Total number of households surveyed

INDICATOR	NUMERATOR	DENOMINATOR
37 Under-fives sleeping under insecticide- treated nets	Number of children aged 0-59 months that slept under an insecticide-treated mosquito net the previous night	Total number of children aged 0-59 months surveyed
38 Under-fives sleeping under mosquito nets	Number of children aged 0-59 months that slept under a mosquito net the previous night	Total number of children aged 0-59 months surveyed
39 Antimalarial treatment (under-fives)	Number of children aged 0-59 months reported to have had fever in the previous 2 weeks that were treated with an appropriate antimalarial within 24 hours of onset	Total number of children aged 0-59 months reported to have had fever in the previous 2 weeks
40 Intermittent preventive malaria treatment (pregnant women)	Number of women receiving appropriate intermittent medication to prevent malaria (defined as at least 2 doses of SP/Fansidar) during the last pregnancy, leading to a live birth within the 2 years preceding the survey	Total number of women that have had a live birth within the 2 years preceding the survey
41 Iodized salt consumption	Number of households with salt testing 15 parts per million or more of iodine/iodate	Total number of households surveyed
42 Vitamin A supplementation (under-fives)	Number of children aged 6-59 months receiving at least one high-dose vitamin A supplement in the previous 6 months	Total number of children aged 6-59 months surveyed
43 Vitamin A supplementation (post-partum mothers)	Number of women with a live birth in the 2 years preceding the survey that received a high-dose vitamin A supplement within 8 weeks after birth	Total number of women that had a live birth in the 2 years preceding the survey
44 Content of antenatal care	Number of women with a live birth in the 2 years preceding the survey that received antenatal care during the last pregnancy	Total number of women with a live birth in the 2 years preceding the survey
45 Timely initiation of breastfeeding	Number of women with a live birth in the 2 years preceding the survey that put the newborn infant to the breast within 1 hour of birth	Total number of women with a live birth in the 2 years preceding the survey
46 Support for learning	Number of children aged 0-59 months living in households in which an adult has engaged in four or more activities to promote learning and school readiness in the past 3 days	Total number of children aged 0-59 months surveyed
47 Father's support for learning	Number of children aged 0-59 months whose father has engaged in one or more activities to promote learning and school readiness in the past 3 days	Total number of children aged 0-59 months
48 Support for learning: children's books	Number of households with three or more children's books	Total number of households surveyed
49 Support for learning: non-children's books	Number of households with three or more non-children's books	Total number of households surveyed
50 Support for learning: materials for play	Number of households with three or more materials intended for play	Total number of households surveyed
51 Non-adult care	Number of children aged 0-59 months left alone or in the care of another child younger than 10 years of age in the past week	Total number of children aged 0-59 months surveyed
52 Pre-school attendance	Number of children aged 36-59 months that attend some form of early childhood education programme	Total number of children aged 36-59 months surveyed
53 School readiness	Number of children in first grade that attended some form of pre-school the previous year	Total number of children in the first grade surveyed
54 Net intake rate in primary education	Number of children of school-entry age that are currently attending first grade	Total number of children of primary- school entry age surveyed

INDICATOR	NUMERATOR	DENOMINATOR
55 Net primary school attendance rate	Number of children of primary-school age currently attending primary or secondary school	Total number of children of primary- school age surveyed
56 Net secondary school attendance rate	Number of children of secondary-school age currently attending secondary school or higher	Total number of children of secondary-school age surveyed
57 Children reaching grade five	Proportion of children entering the first grade of primary school that eventually reach grade five	
58 Transition rate to secondary school	Number of children that were in the last grade of primary school during the previous school year that attend secondary school	Total number of children that were in the last grade of primary school during the previous school year surveyed
59 Primary completion rate	Number of children (of any age) attending the last grade of primary school (excluding repeaters)	Total number of children of primary school completion age (age appropriate to final grade of primary school) surveyed
60 Adult literacy rate	Number of women aged 15-24 years that are able to read a short simple statement about everyday life	Total number of women aged 15-24 years surveyed
61 Gender parity index	Proportion of girls in primary and secondary education	Proportion of boys in primary and secondary education
62 Birth registration	Number of children aged 0-59 months whose births are reported registered	Total number of children aged 0-59 months surveyed
71 Child labour	Number of children aged 5-14 years that are involved in child labour	Total number of children aged 5-14 years surveyed
72 Labourer students	Number of children aged 5-14 years involved in child labour activities that attend school	Total number of children aged 5-14 years involved in child labour activities
73 Student labourers	Number of children aged 5-14 years attending school that are involved in child labour activities	Total number of children aged 5-14 years attending school
74 Child discipline	Number of children aged 2-14 years that (1) experience only non-violent aggression, (2) experience psychological aggression as punishment, (3) experience minor physical punishment, (4) experience severe physical punishment	Total number of children aged 2-14 years selected and surveyed
75 Prevalence of orphans	Number of children under age 18 with at least one dead parent	Total number of children under age 18 surveyed
77 School attendance of orphans versus non-orphans	Proportion of double orphans (both mother and father dead) aged 10-14 years attending school	Proportion of children aged 10-14 years, both of whose parents are alive, that are living with at least one parent and are attending school
78 Children's living arrangements	Number of children aged 0-17 years not living with a biological parent	Total number of children aged 0-17 years surveyed
90 Counselling coverage for the prevention of mother-to-child transmission of HIV	Number of women that gave birth in the previous 24 months and received antenatal care reporting that they received counselling on HIV/AIDS during this care	Total number of women that gave birth in the previous 24 months surveyed
91 Testing coverage for the prevention of mother-to-child	Number of women that gave birth in the previous 24 months and received antenatal care reporting that they received the results of an HIV test during this care	Total number of women that gave birth in the previous 24 months surveyed

INDICATOR		NUMERATOR	DENOMINATOR
	transmission of HIV		
95	Slum household	Number of household members living in urban slums	Number of household members in urban households surveyed
100	Attitudes towards domestic violence	Number of women that consider that a husband/partner is justified in hitting or beating his wife in at least one of the following circumstances: (1) she goes out without telling him, (2) she neglects the children, (3) she argues with him, (4) she refuses sex with him, (5) she burns the food	Total number of women surveyed
101	Child disability	Number of children aged 2-9 years with at least one of nine reported disabilities: (1) delay in sitting, standing or walking, (2) difficulty seeing, either in the daytime or at night, (3) appears to have difficulty hearing, (4) difficulty in understanding instructions, (5) difficulty walking or moving arms or has weakness or stiffness of limbs, (6) has fits, becomes rigid, loses consciousness, (7) does not learn to do things like other children his/her age, (8) cannot speak or cannot be understood in words, (9) appears mentally backward, dull or slow	Total number of children aged 2-9 surveyed

# Appendix F. Questionnaires

## MULTIPLE INDICATOR CLUSTER SURVEY IN LAO PDR 2006 HOUSEHOLD QUESTIONNAIRE

WE ARE FROM THE NATIONAL STATISTICAL CENTER AND MINISTRY OF HEALTH. WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THIS. THE INTERVIEW WILL TAKE SOME TIMES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE IDENTIFIED. DURING THIS TIME I WOULD LIKE TO SPEAK WITH THE HOUSEHOLD HEAD AND ALL MOTHERS OR OTHERS WHO TAKE CARE OF CHILDREN IN THE HOUSEHOLD.

MAY I START NOW? *If permission is given, begin the interview.*

<b>HOUSEHOLD INFORMATION PANEL</b>		<b>HH</b>
Province: _____ <input style="width: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; border: 1px solid black;" type="text"/> District: _____ <input style="width: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; border: 1px solid black;" type="text"/> Village: _____ <input style="width: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; border: 1px solid black;" type="text"/>  HH1. Cluster number: _____	HH2. Household number: _____	
HH3. Interviewer name and number:  Name _____	HH4. Supervisor name and number:  Name _____	
HH5. Day/Month/Year of interview: _____ / _____ / _____		
HH6. Area: Urban..... 1 Rural with Road..... 2 Rural without Road..... 3	HH7. Region: North..... 1 Central..... 2 South..... 3	
HH 8. Name of head of household: _____		
<i>After all questionnaires for the household have been completed, fill in the following information:</i>		
HH9. Result of HH interview:  Completed..... 1 Not at home..... 2 Refused..... 3 HH not found/destroyed..... 4  Other (specify)..... 6	HH10. Respondent to HH questionnaire:  Name: _____  Line No: _____	
HH11. Total number of household members: _____		
HH12. No. of women eligible for interview: _____	HH13. No. of women questionnaires completed: _____	
HH14. No. of children under age 5: _____	HH15. No. of under-5 questionnaires completed: _____	
Interviewer/supervisor notes: <i>Use this space to record notes about the interview with this household, such as call-back times, incomplete individual interview forms, number of attempts to re-visit, etc.</i>		
HH16. Data entry clerk: _____		

**HOUSEHOLD LISTING FORM** **HL**

FIRST, PLEASE TELL ME THE NAME OF EACH PERSON WHO USUALLY LIVES HERE, STARTING WITH THE HEAD OF THE HOUSEHOLD.  
 List the head of the household in line 01. List all household members (HL2), their relationship to the household head (HL3), and their sex (HL4).  
 Then ask: ARE THERE ANY OTHERS WHO LIVE HERE, EVEN IF THEY ARE NOT AT HOME NOW? (THESE MAY INCLUDE CHILDREN IN SCHOOL OR AT WORK). If yes, complete listing.  
 Then, ask questions starting with HL5 for each person at a time. Add a continuation sheet if there are more than 15 household members. Tick here if continuation sheet used

	Eligible for:				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">WOMEN'S INTERVIEW</td> <td style="width: 33%; text-align: center;">CHILD LABOUR MODULE</td> <td style="width: 33%; text-align: center;">UNDER-5 INTERVIEW</td> </tr> </table>	WOMEN'S INTERVIEW	CHILD LABOUR MODULE	UNDER-5 INTERVIEW	For children <b>age 0-17 years</b> ask HL9-HL12
WOMEN'S INTERVIEW	CHILD LABOUR MODULE	UNDER-5 INTERVIEW			

HL1. Line no.	HL2. Name	HL3. WHAT IS THE RELATIONSHIP OF (name) TO THE HEAD OF THE HOUSEHOLD?	HL4. IS (name) MALE OR FEMALE ?	HL5. HOW OLD IS (name)?  HOW OLD WAS (name) ON HIS/HER LAST BIRTHDAY?  <i>Record in completed years</i>  98=DK*	HL6. <i>Circle Line no. if woman is age 15-49</i>	HL7. <i>For each child age 5-14:</i> WHO IS THE MOTHER OR PRIMARY CARETAKER OF THIS CHILD?  <i>Record Line no. of mother/ caretaker</i>	HL8. <i>For each child under 5:</i> WHO IS THE MOTHER OR PRIMARY CARETAKER OF THIS CHILD?  <i>Record Line no. of mother/ caretaker</i>	HL9. Is (name's) NATURAL MOTHER ALIVE?	HL10. <i>If alive:</i> DOES (name's) NATURAL MOTHER LIVE IN THIS HOUSEHOLD?  <i>Record Line no. of mother or 00 for 'no'</i>	HL11. Is (name's) NATURAL FATHER ALIVE?	HL12. <i>If alive:</i> DOES (name's) NATURAL FATHER LIVE IN THIS HOUSEHOLD?  <i>Record Line no. of father or 00 for 'no'</i>
			1 MALE 2 FEM.					1 YES 2 NO⇒ HL11 8 DK⇒ HL11		1 YES 2 NO⇒ NEXT LINE 8 DK⇒ NEXT LINE	

LINE	NAME	REL.	M	F	AGE	15-49	MOTHER	MOTHER	Y N DK	MOTHER	Y N DK	FATHER
01		0 1	1	2	___	01	___	___	1 2 8	___	1 2 8	___
02		___	1	2	___	02	___	___	1 2 8	___	1 2 8	___
03		___	1	2	___	03	___	___	1 2 8	___	1 2 8	___
04		___	1	2	___	04	___	___	1 2 8	___	1 2 8	___
05		___	1	2	___	05	___	___	1 2 8	___	1 2 8	___
06		___	1	2	___	06	___	___	1 2 8	___	1 2 8	___
07		___	1	2	___	07	___	___	1 2 8	___	1 2 8	___
08		___	1	2	___	08	___	___	1 2 8	___	1 2 8	___
09		___	1	2	___	09	___	___	1 2 8	___	1 2 8	___

HL1. Line no.	HL2. Name	HL3. WHAT IS THE RELATIONSHIP OF (name) TO THE HEAD OF THE HOUSEHOLD?	HL4. IS (name) MALE OR FEMALE?  1 MALE 2 FEM.	HL5. HOW OLD IS (name)?  HOW OLD WAS (name) ON HIS/HER LAST BIRTHDAY?  <i>Record in completed years</i>  98=DK*	HL6. Circle Line no. if woman is age 15-49	HL7. For each child age 5-14: WHO IS THE MOTHER OR PRIMARY CARETAKER OF THIS CHILD?  <i>Record Line no. of mother/ caretaker</i>	HL8. For each child under 5: WHO IS THE MOTHER OR PRIMARY CARETAKER OF THIS CHILD?  <i>Record Line no. of mother/ caretaker</i>	HL9. Is (name's) NATURAL MOTHER ALIVE?  1 YES 2 NO⇒ HL11 8 DK⇒ HL11	HL10. If alive: DOES (name's) NATURAL MOTHER LIVE IN THIS HOUSEHOLD?  <i>Record Line no. of mother or 00 for 'no'</i>	HL11. Is (name's) NATURAL FATHER ALIVE?  1 YES 2 NO⇒ 8 DK⇒ NEXT LINE NEXT LINE	HL12. If alive: DOES (name's) NATURAL FATHER LIVE IN THIS HOUSEHOLD?  <i>Record Line no. of father or 00 for 'no'</i>
LINE	NAME	REL.	M F	AGE	15-49	MOTHER	MOTHER	Y N DK	MOTHER	Y N DK	FATHER
10		___ ___	1 2	___ ___	10	___ ___	___ ___	1 2 8	___ ___	1 2 8	___ ___
11		___ ___	1 2	___ ___	11	___ ___	___ ___	1 2 8	___ ___	1 2 8	___ ___
12		___ ___	1 2	___ ___	12	___ ___	___ ___	1 2 8	___ ___	1 2 8	___ ___
13		___ ___	1 2	___ ___	13	___ ___	___ ___	1 2 8	___ ___	1 2 8	___ ___

ARE THERE ANY OTHER PERSONS LIVING HERE – EVEN IF THEY ARE NOT MEMBERS OF YOUR FAMILY OR DO NOT HAVE PARENTS LIVING IN THIS HOUSEHOLD? INCLUDING CHILDREN AT WORK OR AT SCHOOL? *If yes, insert child's name and complete form.*  
Then, complete the totals below.

	Women 15-49	Children 5-14	Under-5s
Totals	___ ___	___ ___	___ ___

**\* See instructions: to be used only for elderly household members (code meaning "do not know/over age 50").**  
Now for each woman age 15-49 years, write her name and line number and other identifying information in the information panel of the Women's Questionnaire.  
For each child under age 5, write his/her name and line number AND the line number of his/her mother or caretaker in the information panel of the Questionnaire for Children UnderFive. You should now have a separate questionnaire for each eligible woman and each child under five in the household.

\* Codes for HL3: Relationship to head of household:

- 01 = Head
- 02 = Wife or Husband
- 03 = Son or Daughter
- 04 = Son or Daughter In-Law
- 05 = Grandchild
- 06 = Parent
- 07 = Parent-In-Law
- 08 = Brother or Sister

- 09 = Brother or Sister-In-Law
- 10 = Uncle/Aunt
- 11 = Niece/Nephew By Blood
- 12 = Niece/Nephew By Marriage
- 13 = Other Relative
- 14 = Adopted/Foster/Stepchild
- 15 = Not Related
- 98 = Don't Know

EDUCATION MODULE											ED				
For household members age 5 and above					For household members age 5-24 years										
ED1. Line no.	ED1A. Name	ED2. Has (name) EVER ATTENDED SCHOOL OR PRESCHOOL?		ED3. WHAT IS THE HIGHEST LEVEL OF SCHOOL (name) ATTENDED? WHAT IS THE HIGHEST GRADE (name) COMPLETED AT THIS LEVEL?		ED4. DURING THE (2005-2006) SCHOOL YEAR, DID (name) ATTEND SCHOOL OR PRESCHOOL AT ANY TIME?		ED5. SINCE LAST (day of the week), HOW MANY DAYS DID (name) ATTEND SCHOOL?		ED6. DURING THIS/THAT SCHOOL YEAR, WHICH LEVEL AND GRADE IS/WAS (name) ATTENDING?		ED7. Did (name) ATTEND SCHOOL OR PRESCHOOL AT ANY TIME DURING THE PREVIOUS SCHOOL YEAR, THAT IS (2004-2005)?		ED8. DURING THAT PREVIOUS SCHOOL YEAR, WHICH LEVEL AND GRADE DID (name) ATTEND?	
		1 YES ⇒ ED3 2 NO ⇨ NEXT LINE		LEVEL: 0 PRE-SCHOOL 1 PRIMARY 2 LOWER SECONDARY 3 UPPER SECONDARY 6 NON-STANDARD CURRICULUM 8 DK  GRADE: PRE-SCHOOL 00 PRIMARY 11-15 LOWER SECONDARY 21-23 UPPER SECONDARY 31-33 NON-STANDARD CURRICULUM 61-63  98 DK If less than 1 grade, enter 00.		1 YES 2 NO ⇒ ED7		Insert number of days in space below.	LEVEL: 0 PRE-SCHOOL 1 PRIMARY 2 LOWER SECONDARY 3 UPPER SECONDARY 6 NON-STANDARD CURRICULUM 8 DK  GRADE: PRE-SCHOOL 00 PRIMARY 11-15 LOWER SECONDARY 21-23 UPPER SECONDARY 31-33 NON-STANDARD CURRICULUM 61-63  98 DK		1 YES 2 NO ⇨ NEXT LINE 8 DK ⇨ NEXT LINE		LEVEL: 0 PRE-SCHOOL 1 PRIMARY 2 LOWER SECONDARY 3 UPPER SECONDARY 6 NON-STANDARD CURRICULUM 8 DK  GRADE: PRE-SCHOOL 00 PRIMARY 11-15 LOWER SECONDARY 21-23 UPPER SECONDARY 31-33 NON-STANDARD CURRICULUM 61-63  98 DK		
LINE		YES	NO	LEVEL	GRADE	YES	NO	DAYS	LEVEL	GRADE	Y	N	DK	LEVEL	GRADE
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___
		1	2	0 1 2 3 6 8	___ ___	1	2	___	0 1 2 3 6 8	___ ___	1	2	8	0 1 2 3 6 8	___

WATER AND SANITATION MODULE		WS
WS1. WHAT IS THE MAIN SOURCE OF DRINKING WATER FOR MEMBERS OF YOUR HOUSEHOLD?	Piped water	
	Piped into dwelling .....	11 ⇒ WS5
	Piped into yard or plot .....	12 ⇒ WS5
	Public tap/standpipe .....	13
	Tubewell/borehole .....	21
	Dug well	
	Protected well .....	31
	Unprotected well .....	32
	Water from spring	
	Protected spring .....	41
	Unprotected spring .....	42
	Rainwater collection .....	51
	Tanker-truck .....	61
Cart with small tank/drum .....	71	
Surface water (river, stream, dam, lake, pond, canal, irrigation channel) .....	81	
<b>Bottled water .....</b>	<b>91</b>	
Other ( <i>specify</i> ) .....	96	
		⇒ WS3
WS2. WHAT IS THE MAIN SOURCE OF WATER USED BY YOUR HOUSEHOLD FOR OTHER PURPOSES SUCH AS COOKING AND HANDWASHING?	Piped water	
	Piped into dwelling .....	11 ⇒ WS5
	Piped into yard or plot .....	12 ⇒ WS5
	Public tap/standpipe .....	13
	Tubewell/borehole .....	21
	Dug well	
	Protected well .....	31
	Unprotected well .....	32
	Water from spring	
	Protected spring .....	41
	Unprotected spring .....	42
	Rainwater collection .....	51
	Tanker-truck .....	61
Cart with small tank/drum .....	71	
Surface water (river, stream, dam, lake, pond, canal, irrigation channel) .....	81	
<b>Bottled water .....</b>	<b>91</b>	
Other ( <i>specify</i> ) .....	96	
		96 ⇒ WS3
WS3. HOW LONG DOES IT TAKE TO GO THERE, GET WATER, AND COME BACK?	No. of minutes .....	___
	Water on premises .....	995 ⇒ WS5
WS4. WHO USUALLY GOES TO THIS SOURCE TO FETCH THE WATER FOR YOUR HOUSEHOLD?  <i>Probe:</i> IS THIS PERSON UNDER AGE 15? WHAT SEX? <i>Circle code that best describes this person.</i>	Adult woman .....	1
	Adult man .....	2
	Female child (under 15) .....	3
	Male child (under 15) .....	4
	DK .....	8
WS5. DO YOU TREAT YOUR WATER IN ANY WAY TO MAKE IT SAFER TO DRINK?	Yes .....	1
	No .....	2 ⇒ WS7
	DK .....	8 ⇒ WS7

<p>WS6. WHAT DO YOU USUALLY DO TO THE WATER TO MAKE IT SAFER TO DRINK?</p> <p>ANYTHING ELSE?</p> <p><i>Record all items mentioned.</i></p>	<p>Boil ..... A</p> <p>Add bleach/chlorine ..... B</p> <p>Strain it through a cloth ..... C</p> <p>Use water filter (ceramic, sand, composite, etc.) ..... D</p> <p>Solar disinfection ..... E</p> <p>Let it stand and settle ..... F</p> <p>Other (<i>specify</i>) ..... X</p> <p>DK ..... Z</p>	
<p>WS7. WHAT KIND OF TOILET FACILITY DO MEMBERS OF YOUR HOUSEHOLD USUALLY USE?</p> <p><i>If “flush” or “pour flush”, probe: WHERE DOES IT FLUSH TO?</i></p> <p><i>If necessary, ask permission to observe the facility.</i></p>	<p>Flush / pour flush</p> <p>Flush to piped sewer system ..... 11</p> <p>Flush to septic tank ..... 12</p> <p>Flush to pit (latrine) ..... 13</p> <p>Flush to somewhere else ..... 14</p> <p>Flush to unknown place/not sure/DK where ..... 15</p> <p>Ventilated Improved Pit latrine (VIP) ..... 21</p> <p>Pit latrine with slab ..... 22</p> <p>Pit latrine without slab / open pit ..... 23</p> <p>Hanging toilet/hanging latrine ..... 51</p> <p>No facilities or bush or field ..... 95</p> <p>Other (<i>specify</i>) ..... 96</p>	<p>95⇒ NEXT MODULE</p>
<p>WS8. DO YOU SHARE THIS FACILITY WITH OTHER HOUSEHOLDS?</p>	<p>Yes ..... 1</p> <p>No ..... 2</p>	<p>2⇒ NEXT MODULE</p>
<p>WS9. HOW MANY HOUSEHOLDS IN TOTAL USE THIS TOILET FACILITY?</p>	<p>No. of households (if less than 10) .... 0 ____</p> <p>Ten or more households ..... 10</p> <p>DK ..... 98</p>	

HOUSEHOLD CHARACTERISTICS MODULE		HC
HC1A. WHAT IS THE RELIGION OF THE HEAD OF THIS HOUSEHOLD?	<i>Buddhist</i> ..... 1 <i>Christianity</i> ..... 2 <i>Islam</i> ..... 3  Other religion ( <i>specify</i> ) _____ 6 No religion ..... 7	
HC1B. WHAT IS THE MOTHER TONGUE/NATIVE LANGUAGE OF THE HEAD OF THIS HOUSEHOLD?	<i>Lao</i> ..... 1 <i>Khamoo</i> ..... 2 <i>Hmong</i> ..... 3  Other language ( <i>specify</i> )_____ 6	
HC1C. TO WHAT ETHNIC GROUP DOES THE HEAD OF THIS HOUSEHOLD BELONG?	<i>Lao</i> ..... 1 <i>Khamoo</i> ..... 2 <i>Hmong</i> ..... 3  Other ethnic group ( <i>specify</i> ) _____ 6	
HC2. HOW MANY ROOMS IN THIS HOUSEHOLD ARE USED FOR SLEEPING?	No. of rooms ..... _ _	
HC3. Main material of the dwelling floor:  <i>Record observation.</i>	Natural floor Earth/sand ..... 11 Dung ..... 12 Rudimentary floor Wood planks ..... 21 Palm/bamboo ..... 22 Finished floor Parquet or polished wood ..... 31 Vinyl or asphalt strips ..... 32 Ceramic tiles ..... 33 Cement ..... 34 Carpet ..... 35  Other ( <i>specify</i> ) _____ 96	
HC4. Main material of the roof.  <i>Record observation.</i>	Natural roofing No Roof ..... 11 Thatch/palm leaf..... 12 Rudimentary Roofing Palm/bamboo ..... 22 Wood planks ..... 23 Finished roofing Metal ..... 31 Wood ..... 32 Calamine/cement fiber ..... 33 Ceramic tiles ..... 34 Cement ..... 35 Roofing shingles..... 36  Other ( <i>specify</i> ) _____ 96	

<p>HC5. Main material of the walls.</p> <p><i>Record observation.</i></p>	<p>Natural walls</p> <p>No walls..... 11</p> <p>Cane/palm/trunks..... 12</p> <p>Dirt..... 13</p> <p>Rudimentary walls</p> <p>Bamboo/Bamboo with dry leaf..... 14</p> <p>Bamboo lattice ..... 15</p> <p>Bamboo with mud ..... 21</p> <p>Plywood..... 24</p> <p>Carton ..... 25</p> <p>Reused wood ..... 26</p> <p>Bamboo mat..... 27</p> <p>Finished walls</p> <p>Cement..... 31</p> <p>Stone with lime/cement..... 32</p> <p>Bricks ..... 33</p> <p>Cement blocks ..... 34</p> <p>Wood planks/shingles ..... 36</p> <p>Other (<i>specify</i>) ..... 96</p>																																																										
<p>HC6. WHAT TYPE OF FUEL DOES YOUR HOUSEHOLD MAINLY USE FOR COOKING?</p>	<p>Electricity..... 01</p> <p>Liquid Propane Gas (LPG)..... 02</p> <p>Natural gas..... 03</p> <p>Kerosene..... 05</p> <p>Charcoal..... 06</p> <p>Coal / Lignite ..... 07</p> <p>Wood..... 08</p> <p>Straw/shrubs/grass ..... 09</p> <p>Other (<i>specify</i>) ..... 96</p>	<p>01⇒HC8</p> <p>02⇒HC8</p> <p>03⇒HC8</p>																																																									
<p>HC7. IN THIS HOUSEHOLD, IS FOOD COOKED ON AN OPEN FIRE, AN OPEN STOVE OR A CLOSED STOVE?</p> <p><i>Probe for type.</i></p>	<p>Open fire ..... 1</p> <p>Open stove..... 2</p> <p>Closed stove ..... 3</p> <p>Other (<i>specify</i>) ..... 6</p>	<p>3⇒HC8</p> <p>6⇒HC8</p>																																																									
<p>HC7A. DOES THE FIRE/STOVE HAVE A CHIMNEY OR A HOOD?</p>	<p>Yes ..... 1</p> <p>No..... 2</p>																																																										
<p>HC8. IS THE COOKING USUALLY DONE IN THE HOUSE, IN A SEPARATE BUILDING, OR OUTDOORS?</p>	<p>In the house ..... 1</p> <p>In a separate building..... 2</p> <p>Outdoors ..... 3</p> <p>Other (<i>specify</i>) ..... 6</p>																																																										
<p>HC9. DOES YOUR HOUSEHOLD HAVE:</p> <p>ELECTRICITY?</p> <p>A CLOCK?</p> <p>A RADIO/CASSETTE?</p> <p>A FAN?</p> <p>A MATTRES?</p> <p>A BLACK AND WHITE TELEVISION?</p> <p>A COLOR TV?</p> <p>A CD/VCR PLAYER?</p> <p>A WATER PUMP?</p> <p>A BED?</p> <p>DVD PLAYER?</p> <p>A SATELLITE DISK/RECEIVER?</p> <p>A MOBILE TELEPHONE?</p> <p>A NON-MOBILE TELEPHONE?</p> <p>A REFRIGERATOR?</p> <p>AN AIR-CONDITION?</p> <p>A WASHING MACHINE?</p> <p>A SOFA?</p>	<table border="0"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr><td>Electricity.....</td><td>1</td><td>2</td></tr> <tr><td>Clock.....</td><td>1</td><td>2</td></tr> <tr><td>Radio/cassette .....</td><td>1</td><td>2</td></tr> <tr><td>Fan.....</td><td>1</td><td>2</td></tr> <tr><td>Mattress.....</td><td>1</td><td>2</td></tr> <tr><td>B/W TV.....</td><td>1</td><td>2</td></tr> <tr><td>Color TV .....</td><td>1</td><td>2</td></tr> <tr><td>CD/VCR Player.....</td><td>1</td><td>2</td></tr> <tr><td>Water pump.....</td><td>1</td><td>2</td></tr> <tr><td>Bed.....</td><td>1</td><td>2</td></tr> <tr><td>DVD Player.....</td><td>1</td><td>2</td></tr> <tr><td>Satellite disk.....</td><td>1</td><td>2</td></tr> <tr><td>Mobile Telephone .....</td><td>1</td><td>2</td></tr> <tr><td>Non-Mobile Telephone.....</td><td>1</td><td>2</td></tr> <tr><td>Refrigerator .....</td><td>1</td><td>2</td></tr> <tr><td>Air-condition.....</td><td>1</td><td>2</td></tr> <tr><td>Washing machine.....</td><td>1</td><td>2</td></tr> <tr><td>Sofa.....</td><td>1</td><td>2</td></tr> </tbody> </table>		Yes	No	Electricity.....	1	2	Clock.....	1	2	Radio/cassette .....	1	2	Fan.....	1	2	Mattress.....	1	2	B/W TV.....	1	2	Color TV .....	1	2	CD/VCR Player.....	1	2	Water pump.....	1	2	Bed.....	1	2	DVD Player.....	1	2	Satellite disk.....	1	2	Mobile Telephone .....	1	2	Non-Mobile Telephone.....	1	2	Refrigerator .....	1	2	Air-condition.....	1	2	Washing machine.....	1	2	Sofa.....	1	2	
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<p>HC10. DOES ANY MEMBER OF YOUR HOUSEHOLD OWN:</p> <p>A WATCH?</p> <p>A BICYCLE?</p> <p>AN ANIMAL-DRAWN CART?</p> <p>A MOTORCYCLE OR SCOOTER?</p> <p>A TUKTUK OR TAK TAK?</p> <p>A CAR OR TRUCK?</p> <p>A BOAT WITH A MOTOR?</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Yes</th> <th style="width: 10%; text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Watch.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Bicycle.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Animal drawn-cart.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Motorcycle/Scooter .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Tuktuk/Taktak.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Car/Truck .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Boat with motor .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </tbody> </table>		Yes	No	Watch.....	1	2	Bicycle.....	1	2	Animal drawn-cart.....	1	2	Motorcycle/Scooter .....	1	2	Tuktuk/Taktak.....	1	2	Car/Truck .....	1	2	Boat with motor .....	1	2	
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<p>HC11. DOES ANY MEMBER OF THIS HOUSEHOLD OWN ANY LAND THAT CAN BE USED FOR AGRICULTURE?</p>	<p>Yes ..... 1</p> <p>No..... 2</p>	2⇒HC13																								
<p>HC12. HOW MANY HECTARES OF AGRICULTURAL LAND DO MEMBERS OF THIS HOUSEHOLD OWN?</p> <p>Hectares.....</p> <p>If more than 97, record '97'.</p> <p>If unknown, record '98'.</p>	<p>Hectares.....</p>																									
<p>HC13. DOES THIS HOUSEHOLD OWN ANY LIVESTOCK, HERDS, OR FARM ANIMALS?</p>	<p>Yes ..... 1</p> <p>No..... 2</p>	2⇒HC15A																								
<p>HC14. HOW MANY OF THE FOLLOWING ANIMALS DOES THIS HOUSEHOLD HAVE?</p> <p>BUFFALO?</p> <p>BULLS?</p> <p>HORSES, DONKEYS, OR MULES?</p> <p>GOATS/SHEEP?</p> <p>PIG?</p> <p>CHICKENS/DUCKS/BIRDS?</p> <p>If none, record '00'.</p> <p>If more than 97, record '97'.</p> <p>If unknown, record '98'.</p>	<p>Buffalo.....</p> <p>Bulls .....</p> <p>Horses, donkeys, or mules .....</p> <p>Goats/Sheep .....</p> <p>Pig.....</p> <p>Chickens/ducks/birds .....</p>																									

ITN MODULE		TN
TN1. DOES YOUR HOUSEHOLD HAVE ANY MOSQUITO NETS THAT CAN BE USED WHILE SLEEPING?	Yes ..... 1 No..... 2	2⇒NEXT MODULE
TN2. HOW MANY MOSQUITO NETS DOES YOUR HOUSEHOLD HAVE?  <i>If 7 or more nets, record '7'.</i>	Number of nets ..... ____	
TN3. IS THE NET (ARE ANY OF THE NETS) ANY OF THE FOLLOWING TYPES:  <i>Read each brand name, show picture card, and circle codes for Yes or No for each brand. If possible, observe the net to verify brand.</i>		
LONG-LASTING TREATED NETS:	Long-lasting treated nets.....1 2 8	
PRE-TREATED NETS:	Pre-treated net.....1 2 8	
OTHER NETS:	Other nets: Unknown type ..... 1 2 8	
TN4. Check TN3 for type of net(s). Go through the above list in order until <b>one</b> box is checked and follow instructions: 1. <input type="checkbox"/> Long-lasting treated net mentioned?⇒ Go to Next Module 2. <input type="checkbox"/> Pre-treated net mentioned?⇒ Go to TN6 3. <input type="checkbox"/> Other net mentioned?⇒ Continue with TN5		
TN5. WHEN YOU GOT THE (MOST RECENT) NET, WAS IT ALREADY TREATED WITH AN INSECTICIDE TO KILL OR REPEL MOSQUITOES?	Yes ..... 1 No..... 2 DK/not sure ..... 8	
TN6. HOW MANY MONTHS AGO WAS THE (MOST RECENT) NET OBTAINED?  <i>If less than 1 month ago, record '00'. If answer is "12 months" or "1 year", probe to determine if net was obtained exactly 12 months ago or earlier or later.</i>	Months ago ..... ____  More than 24 months ago ..... 95 Not sure..... 98	
TN7. SINCE YOU GOT THE NET(S) HAS IT (HAVE ANY OF THESE NETS) EVER BEEN SOAKED OR DIPPED IN A LIQUID TO KILL/REPEL MOSQUITOES?	Yes ..... 1 No..... 2  DK ..... 8	2⇒NEXT MODULE 8⇒NEXT MODULE
TN8. HOW LONG AGO WAS THE MOST RECENT SOAKING/DIPPING DONE?  <i>If less than 1 month, record '00'. If answer is "12 months" or "1 year", probe to determine if net was treated exactly 12 months ago or earlier or later.</i>	Months ago ..... ____  More than 24 months ago ..... 95 Not sure..... 98	

CHILD LABOUR MODULE													CL				
To be administered to mother/caretaker of each child in the household age 5 through 14 years. For household members below age 5 or above age 14, leave rows blank.																	
NOW I WOULD LIKE TO ASK ABOUT ANY WORK CHILDREN IN THIS HOUSEHOLD MAY DO.																	
CL1. Line no.	CL2. Name	CL3. DURING THE PAST WEEK, DID ( <i>name</i> ) DO ANY KIND OF WORK FOR SOMEONE WHO IS NOT A MEMBER OF THIS HOUSEHOLD?  <i>If yes: FOR PAY IN CASH OR KIND?</i>  1 YES, FOR PAY (CASH OR KIND) 2 YES, UNPAID 3 NO ⇒ TO CL5			CL4. <i>If yes:</i> SINCE LAST ( <i>day of the week</i> ), ABOUT HOW MANY HOURS DID HE/SHE DO THIS WORK FOR SOMEONE WHO IS NOT A MEMBER OF THIS HOUSEHOLD?  <i>If more than one job, include all hours at all jobs.</i>  <i>Record response then ⇒ CL.6</i>		CL5. AT ANY TIME DURING THE PAST YEAR, DID ( <i>name</i> ) DO ANY KIND OF WORK FOR SOMEONE WHO IS NOT A MEMBER OF THIS HOUSEHOLD?  <i>If yes: FOR PAY IN CASH OR KIND?</i>  1 YES, FOR PAY (CASH OR KIND) 2 YES, UNPAID 3 NO			CL6. DURING THE PAST WEEK, DID ( <i>name</i> ) HELP WITH HOUSEHOLD CHORES SUCH AS SHOPPING, COLLECTING FIREWOOD, CLEANING, FETCHING WATER, OR CARING FOR CHILDREN?  1 YES 2 NO ⇒ TO CL8		CL7. <i>If yes:</i> SINCE LAST ( <i>day of the week</i> ), ABOUT HOW MANY HOURS DID HE/SHE SPEND DOING THESE CHORES?		CL8. DURING THE PAST WEEK, DID ( <i>name</i> ) DO ANY OTHER FAMILY WORK (ON THE FARM OR IN A BUSINESS OR SELLING GOODS IN THE STREET?)  1 YES 2 NO ⇒ NEXT LINE		CL9. <i>If yes:</i> SINCE LAST ( <i>day of the week</i> ), ABOUT HOW MANY HOURS DID HE/SHE DO THIS WORK?	
LINE NO.	NAME	YES PAID UNPAID NO			NO. HOURS	YES PAID UNPAID NO			YES NO	NO. HOURS	YES NO	NO. HOURS					
01		1	2	3	___	1	2	3	1	2	___	1	2	___			
02		1	2	3	___	1	2	3	1	2	___	1	2	___			
03		1	2	3	___	1	2	3	1	2	___	1	2	___			
04		1	2	3	___	1	2	3	1	2	___	1	2	___			
05		1	2	3	___	1	2	3	1	2	___	1	2	___			
06		1	2	3	___	1	2	3	1	2	___	1	2	___			
07		1	2	3	___	1	2	3	1	2	___	1	2	___			
08		1	2	3	___	1	2	3	1	2	___	1	2	___			
09		1	2	3	___	1	2	3	1	2	___	1	2	___			
10		1	2	3	___	1	2	3	1	2	___	1	2	___			
11		1	2	3	___	1	2	3	1	2	___	1	2	___			
12		1	2	3	___	1	2	3	1	2	___	1	2	___			
13		1	2	3	___	1	2	3	1	2	___	1	2	___			

## Child Discipline Module

**Table 1: Children aged 2-14 years eligible for child Discipline questions**

Review the household listing and list each of the children aged 2-14 years below in order according to their line number (HL1). Do not include other household members outside of the age range 2-14 years. Record the line number, name, sex, age, and the line number of the mother or caretaker for each child. Then record the total number of children aged 2-14 in the box provided (CD7).

CD1. Rank no.	CD2. Line no. from HL1.	CD3. Name from HL2.	CD4. Sex from HL4.		CD5. Age from HL5.	CD6. Line no. of mother/ caretaker from HL7 or HL8.	
LINE	LINE	NAME	M	F	AGE	MOTHER	
01	__ __		1	2	__ __	__ __	
02	__ __		1	2	__ __	__ __	
03	__ __		1	2	__ __	__ __	
04	__ __		1	2	__ __	__ __	
05	__ __		1	2	__ __	__ __	
06	__ __		1	2	__ __	__ __	
07	__ __		1	2	__ __	__ __	
08	__ __		1	2	__ __	__ __	
CD7.	TOTAL CHILDREN AGED 2-14 YEARS					__ __	

If there is only one child age 2-14 years in the household, then skip table 2 and go to CD9; write down the rank number of the child and continue with CD11

**table 2: selection of random child for child Discipline questions**

Use this table to select one child between the ages of 2 and 14 years, if there is more than one child in that age range in the household. Look for the last digit of the household number from the cover page. This is the number of the row you should go to in the table below. Check the total number of eligible children (2-14) in CD7 above. This is the number of the column you should go to. Find the box where the row and the column meet and circle the number that appears in the box. This is the rank number of the child about whom the questions will be asked. Record the rank number in CD9 below. Finally, record the line number and name of the selected child in CD11 on the next page. Then, find the mother or primary caretaker of that child, and ask the questions, beginning with CD12.

CD8. Last digit of the questionnaire number	TOTAL NUMBER OF ELIGIBLE CHILDREN IN THE HOUSEHOLD								
	1	2	3	4	5	6	7	8+	
0	1	2	2	4	3	6	5	4	
1	1	1	3	1	4	1	6	5	
2	1	2	1	2	5	2	7	6	
3	1	1	2	3	1	3	1	7	
4	1	2	3	4	2	4	2	8	
5	1	1	1	1	3	5	3	1	
6	1	2	2	2	4	6	4	2	
7	1	1	3	3	5	1	5	3	
8	1	1	2	1	2	3	7	5	
CD9. Record the rank number of the selected child					Rank number of child ..... __ __				

Child discipline module		CD
Identify eligible child aged 2 to 14 in the household using the tables on the preceding page, according to your instructions. Ask to interview the mother or primary caretaker of the selected child (identified by the line number in CD6).		
CD11. Write name and line no. of the child selected for the module from CD3 and CD2, based on the rank number in CD9.	Name _____ Line number .....	
CD12. ALL ADULTS USE CERTAIN WAYS TO TEACH CHILDREN THE RIGHT BEHAVIOUR OR TO ADDRESS A BEHAVIOUR PROBLEM. I WILL READ VARIOUS METHODS THAT ARE USED AND I WANT YOU TO TELL ME IF YOU OR ANYONE ELSE IN YOUR HOUSEHOLD HAS USED THIS METHOD WITH ( <i>name</i> ) IN THE PAST MONTH.		
CD12A. TOOK AWAY PRIVILEGES, FORBADE SOMETHING ( <i>name</i> ) LIKED OR DID NOT ALLOW HIM/HER TO LEAVE HOUSE).	Yes ..... 1 No..... 2	
CD12B. EXPLAINED WHY SOMETHING (THE BEHAVIOR) WAS WRONG.	Yes ..... 1 No..... 2	
CD12C. SHOOK HIM/HER.	Yes ..... 1 No..... 2	
CD12D. SHOUTED, YELLED AT OR SCREAMED AT HIM/HER.	Yes ..... 1 No..... 2	
CD12E. GAVE HIM/HER SOMETHING ELSE TO DO.	Yes ..... 1 No..... 2	
CD12F. SPANKED, HIT OR SLAPPED HIM/HER ON THE BOTTOM WITH BARE HAND.	Yes ..... 1 No..... 2	
CD12G. HIT HIM/HER ON THE BOTTOM OR ELSEWHERE ON THE BODY WITH SOMETHING LIKE A BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT.	Yes ..... 1 No..... 2	
CD12H. CALLED HIM/HER DUMB, LAZY, OR ANOTHER NAME LIKE THAT.	Yes ..... 1 No..... 2	
CD12I. HIT OR SLAPPED HIM/HER ON THE FACE, HEAD OR EARS.	Yes ..... 1 No..... 2	
CD12J. HIT OR SLAPPED HIM/HER ON THE HAND, ARM, OR LEG.	Yes ..... 1 No..... 2	
CD12K. BEAT HIM/HER UP WITH AN IMPLEMENT (HIT OVER AND OVER AS HARD AS ONE COULD).	Yes ..... 1 No..... 2	
CD13. DO YOU BELIEVE THAT IN ORDER TO BRING UP (RAISE, EDUCATE) ( <i>name</i> ) PROPERLY, YOU NEED TO PHYSICALLY PUNISH HIM/HER?	Yes ..... 1 No..... 2 Don't know/no opinion..... 8	



SALT IODIZATION MODULE		SI
<p>SI1. WE WOULD LIKE TO CHECK WHETHER THE SALT USED IN YOUR HOUSEHOLD IS IODIZED. MAY I SEE A SAMPLE OF THE SALT USED TO COOK THE MAIN MEAL EATEN BY MEMBERS OF YOUR HOUSEHOLD LAST NIGHT?</p> <p><i>Once you have examined the salt, circle number that corresponds to test outcome.</i></p> <p><i>In nutrition households (where there is a barcode label on the front of this form) only, now take a sample of salt for later iodine analysis in Vientiane</i></p>	<p>Not iodized (no colour change) ..... 1</p> <p>Contains iodine (colour change) ..... 2</p> <p>No salt in home ..... 6</p> <p>Salt not tested ..... 7</p>	
<p>SI1A. WHAT IS THE BRAND OF THIS MOST COMMONLY USED SALT (THE SALT THAT WAS TESTED FOR IODINE ABOVE?)</p>	<p>Produces by themselves/small scales.....1</p> <p>Spool Brand salt (khoksaat).....2</p> <p>Fish Brand salt (Nateu SVK).....3</p> <p>Cart Brand salt (Veunkham).....4</p> <p>Fish Brand salt (Boten).....5</p> <p>Khenkok salt.....6</p> <p>Diamond Brand salt (Ban Bo).....7</p> <p>Borikhamxay salt.....8</p> <p>Thai salt.....9</p> <p>Vietnamese salt.....10</p> <p>Chinese salt.....11</p> <p>Not labeled/others.....12</p>	
<p>SI1B. WAS A SAMPLE OF SALT COLLECTED FOR FURTHER ANALYSIS AT THE LAB? A SAMPLE SHOULD BE COLLECTED ONLY IF THERE IS A BARCODE LABEL ON THE FRONT OF THIS FORM</p>	<p>Yes ..... 1</p> <p>No..... 2</p>	
<p>FOR THE FOLLOWING QUESTIONS: ASK THE PERSON WHO USUALLY PREPARES THE FOOD IN THE HOUSEHOLD</p>		
<p>SI1C. IN THE PAST WEEK HOW MANY TIMES DID YOU USE SUGAR IN THE PREPARATION OF FOOD OR DRINKS?</p>	<p>Daily.....1</p> <p>4-6 times.....2</p> <p>1-3 times.....3</p> <p>Never.....6</p>	IF 6 SKIP TO SI1E
<p>SI1D. MAY I SEE A SAMPLE OF THE SUGAR USED?</p>	<p>No sugar in home.....1</p> <p>Sugar from Lao.....2</p> <p>Sugar from Thailand.....3</p> <p>Sugar from Vietnam.....4</p> <p>Sugar from China.....5</p> <p>Unlabeled/other source.....6</p>	
<p>SI1E. IN THE PAST WEEK HOW MANY TIMES DID YOU USE COOKING OIL (NAM MAN PEUD) IN THE PREPARATION OF FOOD?</p>	<p>Daily.....1</p> <p>4-6 times.....2</p> <p>1-3 times.....3</p> <p>Never.....6</p>	IF 6 SKIP TO SI1G
<p>SI1F. MAY I SEE A SAMPLE OF THE COOKING OIL USED?</p>	<p>No cooking oil in home.....1</p> <p>Cooking oil from Lao.....2</p> <p>Cooking oil from Thailand.....3</p> <p>Cooking oil from Vietnam.....4</p> <p>Cooking oil from China.....5</p> <p>Unlabeled/other source.....6</p>	
<p>SI1G. IN THE PAST WEEK HOW MANY TIMES DID YOU USE FISH SAUCE (NAM PLAA) IN THE PREPARATION OF FOOD?</p>	<p>Daily.....1</p> <p>4-6 times.....2</p> <p>1-3 times.....3</p> <p>Never.....6</p>	IF 6 SKIP TO SI1I
<p>SI1H. MAY I SEE A SAMPLE OF THE FISH SAUCE</p>	<p>No fish sauce in home.....1</p>	

USED?	Fish sauce from Lao.....2 Fish sauce from Thailand.....3 Fish sauce from Vietnam.....4 Fish sauce from China.....5 Unlabeled/other source.....6	
SI1I. IN THE PAST WEEK HOW MANY TIMES DID YOU USE MSG (PAENG NOUA) IN THE PREPARATION OF FOOD?	Daily.....1 4-6 times.....2 1-3 times.....3 Never.....6	IF 6 SKIP TO SI2
SI1J. MAY I SEE A SAMPLE OF THE MSG USED?	No MSG in home.....1 MSG from Lao.....2 MSG from Thailand.....3 MSG from Vietnam.....4 MSG from China.....5 Unlabeled/other source.....6	
<p>SI2. Does any eligible woman age 15-49 reside in the household?          Check household listing, column HL6. You should have a questionnaire with the Information Panel filled in for each eligible woman.</p> <p><input type="checkbox"/> Yes. ⇒ Go to QUESTIONNAIRE FOR INDIVIDUAL WOMEN to administer the questionnaire to the first eligible woman.</p> <p><input type="checkbox"/> No. ⇒ Continue.</p>		
<p>SI3. Does any child under the age of 5 reside in the household?          Check household listing, column HL8. You should have a questionnaire with the Information Panel filled in for each eligible child.</p> <p><input type="checkbox"/> Yes. ⇒ Go to QUESTIONNAIRE FOR CHILDREN UNDER FIVE to administer the questionnaire to mother or caretaker of the first eligible child.</p> <p><input type="checkbox"/> No. ⇒ End the interview by thanking the respondent for his/her cooperation. Gather together all questionnaires for this household and tally the number of interviews completed on the cover page.</p>		

Label for Nutrition  
Cluster

## QUESTIONNAIRE FOR INDIVIDUAL WOMEN

Province \_\_\_\_\_  
 District \_\_\_\_\_  
 Village \_\_\_\_\_


<b>WOMEN'S INFORMATION PANEL</b>		<b>WM</b>
<i>This module is to be administered to all women age 15 through 49 (see column HL6 of HH listing).            Fill in one form for each eligible woman            Fill in the cluster and household number, and the name and line number of the woman in the space below.            Fill in your name, number and the date.</i>		
WM1. Cluster number: _____	WM2. Household number: _____	
WM3. Woman's Name: _____	WM4. Woman's Line Number: _____	
WM5. Interviewer name and number: _____	WM6. Day/Month/Year of interview: ____/____/____	
WM7. Result of women's interview	Completed ..... 1 Not at home ..... 2 Refused ..... 3 Partly completed..... 4 Incapacitated ..... 5 Other (specify) ..... 6	

*Repeat greeting if not already read to this woman:*

WE ARE FROM THE NATIONAL STATISTICAL CENTER AND MINISTRY OF HEALTH. WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THIS. THE INTERVIEW WILL TAKE SOME TIMES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE IDENTIFIED. ALSO, YOU ARE NOT OBLIGED TO ANSWER ANY QUESTION YOU DON'T WANT TO, AND YOU MAY WITHDRAW FROM THE INTERVIEW AT ANY TIME. MAY I START NOW?

*If permission is given, begin the interview. If the woman does not agree to continue, thank her, complete WM7, and go to the next interview. Discuss this result with your supervisor for a future revisit.*

WM8. IN WHAT MONTH AND YEAR WERE YOU BORN?	Date of birth: Month ..... DK month ..... 98 Year ..... DK year ..... 9998	
WM9. HOW OLD WERE YOU AT YOUR LAST BIRTHDAY?	Age (in completed years) ..... _____	



TETANUS TOXOID (TT) MODULE		TT
<i>This module is to be administered to all women with a live birth in the 2 years preceding date of interview.</i>		
TT1. DO YOU HAVE A CARD OR OTHER DOCUMENT WITH YOUR OWN IMMUNIZATIONS LISTED?	Yes (card seen)..... 1 Yes (card not seen)..... 2 No..... 3  DK ..... 8	
<i>If a card is presented, use it to assist with answers to the following questions.</i>		
TT2. WHEN YOU WERE PREGNANT WITH YOUR LAST CHILD, DID YOU RECEIVE ANY INJECTION TO PREVENT HIM OR HER FROM GETTING TETANUS, THAT IS CONVULSIONS AFTER BIRTH (AN ANTI-TETANUS SHOT, AN INJECTION AT THE TOP OF THE ARM OR SHOULDER)?	Yes ..... 1 No..... 2 DK ..... 8	2⇒TT5 8⇒TT5
TT3. <i>If yes:</i> HOW MANY TIMES DID YOU RECEIVE THIS ANTI-TETANUS INJECTION DURING YOUR LAST PREGNANCY?	No. of times ..... _ _ DK ..... 98	98⇒TT5
TT4. <i>How many TT doses during last pregnancy were reported in TT3?</i>		
<input type="checkbox"/> <i>At least two TT injections during last pregnancy. ⇒ Go to Next Module</i>		
<input type="checkbox"/> <i>Fewer than two TT injections during last pregnancy. ⇒ Continue with TT5</i>		
TT5. DID YOU RECEIVE ANY TETANUS TOXOID INJECTION AT ANY TIME BEFORE YOUR LAST PREGNANCY?	Yes ..... 1 No..... 2 DK ..... 8	2⇒NEXT MODULE 8⇒NEXT MODULE
TT6. HOW MANY TIMES DID YOU RECEIVE IT?	No. of times ..... _ _	
TT7. IN WHAT MONTH AND YEAR DID YOU RECEIVE THE LAST ANTI-TETANUS INJECTION BEFORE THAT LAST PREGNANCY?	Month ..... _ _ DK month ..... 98  Year ..... _ _ _ _ DK year ..... 9998	⇒NEXT MODULE ↓TT8
<i>Skip to next module only if year of injection is given. Otherwise, continue with TT8.</i>		
TT8. HOW MANY YEARS AGO DID YOU RECEIVE THE LAST ANTI-TETANUS INJECTION BEFORE THAT LAST PREGNANCY?	Years ago..... _ _	

MATERNAL AND NEWBORN HEALTH MODULE		MN															
<p><i>This module is to be administered to all women with a live birth in the 2 years preceding date of interview. Check child mortality module CM12 and record name of last-born child here _____.</i></p> <p><i>Use this child's name in the following questions, where indicated.</i></p>																	
<p>MN1. IN THE FIRST TWO MONTHS AFTER YOUR LAST BIRTH [THE BIRTH OF NAME], DID YOU RECEIVE A VITAMIN A DOSE LIKE THIS?</p> <p><i>Show 200,000 IU capsule or dispenser.</i></p>	<p>Yes ..... 1            No..... 2            DK ..... 8</p>																
<p>MN2. DID YOU SEE ANYONE FOR ANTENATAL CARE FOR THIS PREGNANCY?</p> <p>If yes: WHOM DID YOU SEE? ANYONE ELSE?</p> <p><i>Probe for the type of person seen and circle all answers given.</i></p>	<p>Health professional:            Doctor ..... A            Nurse/midwife ..... B            Auxiliary midwife ..... C            Other person            Traditional birth attendant ..... F            Community health worker ..... G            Relative/friend ..... H            Other (specify) ..... X            No one..... Y</p>	Y⇒MN6A															
<p>MN3. AS PART OF YOUR ANTENATAL CARE, WERE ANY OF THE FOLLOWING DONE AT LEAST ONCE?</p> <p>MN3A. WERE YOU WEIGHED?            MN3B. WAS YOUR BLOOD PRESSURE MEASURED?            MN3C. DID YOU GIVE A URINE SAMPLE?            MN3D. DID YOU GIVE A BLOOD SAMPLE?</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Weight.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Blood pressure.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Urine sample.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Blood sample.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </tbody> </table>		Yes	No	Weight.....	1	2	Blood pressure.....	1	2	Urine sample.....	1	2	Blood sample.....	1	2	
	Yes	No															
Weight.....	1	2															
Blood pressure.....	1	2															
Urine sample.....	1	2															
Blood sample.....	1	2															
<p>MN4. DURING ANY OF THE ANTENATAL VISITS FOR THE PREGNANCY, WERE YOU GIVEN ANY INFORMATION OR COUNSELED ABOUT AIDS OR THE AIDS VIRUS?</p>	<p>Yes ..... 1            No..... 2            DK ..... 8</p>																
<p>MN5. I DON'T WANT TO KNOW THE RESULTS, BUT WERE YOU TESTED FOR HIV/AIDS AS PART OF YOUR ANTENATAL CARE?</p>	<p>Yes ..... 1            No..... 2            DK ..... 8</p>	2⇒MN6A 8⇒MN6A															
<p>MN6. I DON'T WANT TO KNOW THE RESULTS, BUT DID YOU GET THE RESULTS OF THE TEST?</p>	<p>Yes ..... 1            No..... 2            DK ..... 8</p>																
<p>MN6A. DURING THIS PREGNANCY, DID YOU TAKE ANY MEDICINE IN ORDER TO PREVENT YOU FROM GETTING MALARIA?</p>	<p>Yes ..... 1            No..... 2            DK ..... 8</p>	2⇒MN7 8⇒MN7															
<p>MN6B. WHICH MEDICINES DID YOU TAKE TO PREVENT MALARIA?</p> <p><i>Circle all medicines taken. If type of medicine is not determined, show typical anti-malarial to respondent.</i></p>	<p>SP/Fansidar ..... A            Chloroquine..... B            Other (specify) ..... X            DK ..... Z</p>																
<p>MN6c. Check MN6B for medicine taken:</p> <p><input type="checkbox"/> SP/Fansidar taken. ⇒ Continue with MN6D</p> <p><input type="checkbox"/> SP/Fansidar not taken. ⇒ Go to MN7</p>																	
<p>MN6D. HOW MANY TIMES DID YOU TAKE SP/FANSIDAR DURING THIS PREGNANCY TO PREVENT MALARIA?</p>	<p>Number of times..... _ _</p>																

<p>MN7. WHO ASSISTED WITH THE DELIVERY OF YOUR LAST CHILD (<i>or name</i>)?</p> <p>ANYONE ELSE?</p> <p><i>Probe for the type of person assisting and circle all answers given.</i></p>	<p>Health professional:</p> <p>Doctor.....A</p> <p>Nurse/midwife .....B</p> <p>Auxiliary midwife .....C</p> <p>Other person</p> <p>Traditional birth attendant .....F</p> <p>Community health worker .....G</p> <p>Relative/friend .....H</p> <p>Other (<i>specify</i>) .....X</p> <p>No one.....Y</p>	
<p>MN8. WHERE DID YOU GIVE BIRTH TO (<i>name</i>)?</p> <p><i>If source is hospital, health center, or clinic, write the name of the place below. Probe to identify the type of source and circle the appropriate code.</i></p> <p>_____</p> <p>(Name of place)</p>	<p>Home</p> <p>Your home.....11</p> <p>Other home .....12</p> <p>Public sector</p> <p>Govt. hospital .....21</p> <p>Govt. clinic/health center.....22</p> <p>Other public (<i>specify</i>) .....26</p> <p>Private Medical Sector</p> <p>Private hospital.....31</p> <p>Private clinic .....32</p> <p>Private maternity home .....33</p> <p>Other private medical (<i>specify</i>) .....36</p> <p>Other (<i>specify</i>) .....96</p>	
<p>MN9. WHEN YOUR LAST CHILD (<i>name</i>) WAS BORN, WAS HE/SHE VERY LARGE, LARGER THAN AVERAGE, AVERAGE, SMALLER THAN AVERAGE, OR VERY SMALL?</p>	<p>Very large.....1</p> <p>Larger than average.....2</p> <p>Average.....3</p> <p>Smaller than average.....4</p> <p>Very small .....5</p> <p>DK .....8</p>	
<p>MN10. WAS (<i>name</i>) WEIGHED AT BIRTH?</p>	<p>Yes .....1</p> <p>No.....2</p> <p>DK .....8</p>	<p>2⇒MN12</p> <p>8⇒MN12</p>
<p>MN11. HOW MUCH DID (<i>name</i>) WEIGH?</p> <p><i>Record weight from health card, if available.</i></p>	<p>From card.....1 (kilograms) . . . . .</p> <p>From recall .....2 (kilograms) . . . . .</p> <p>DK .....99998</p>	
<p>MN12. DID YOU EVER BREASTFEED (<i>name</i>)?</p>	<p>Yes .....1</p> <p>No.....2</p>	<p>2⇒NEXT MODULE</p>
<p>MN13. HOW LONG AFTER BIRTH DID YOU FIRST PUT (<i>name</i>) TO THE BREAST?</p> <p><i>If less than 1 hour, record '00' hours. If less than 24 hours, record hours. Otherwise, record days.</i></p>	<p>Immediately.....000</p> <p>Hours.....1 ____</p> <p>or</p> <p>Days .....2 ____</p> <p>Don't know/remember .....998</p>	
<p>MN14. DID YOU RESTRICT THE INTAKE OF ANY FOODS IN THE PERIOD IMMEDIATELY FOLLOWING THE DELIVERY OF YOUR LAST CHILD?</p>	<p>Yes .....1</p> <p>No.....2</p> <p>DK .....8</p>	<p>2⇒MN17</p> <p>8⇒MN17</p>

MN15. WHICH FOOD DID YOU RESTRICT THE INTAKE OF?	Meat.....1 Fish.....2 Eggs.....3  Other (Specify _____).....6	
MN16. HOW MANY MONTHS AFTER DELIVERY DID YOU RETURN TO YOUR NORMAL DIET?	<1 Month.....1 1-2 Months.....2 3-4 Months.....3 >4 Months.....4	
MN17. DID YOU CONSUME ANY SPECIAL HERBAL DRINKS OR OTHER TRADITIONAL MEDICINES IN THE 3 MONTHS FOLLOWING YOUR LAST DELIVERY?	Yes ..... 1 No..... 2  DK ..... 8	2⇒NEXT MODULE 8⇒NEXT MODULE

ATTITUDES TOWARD DOMESTIC VIOLENCE		
DV1. SOMETIMES A HUSBAND IS ANNOYED OR ANGERED BY THINGS THAT HIS WIFE DOES. IN YOUR OPINION, IS A HUSBAND JUSTIFIED IN HITTING OR BEATING HIS WIFE IN THE FOLLOWING SITUATIONS:		
		Yes    No    DK
DV1A. IF SHE GOES OUT WITH OUT TELLING HIM?	Goes out without telling.....	1    2    8
DV1B. IF SHE NEGLECTS THE CHILDREN?	Neglects children .....	1    2    8
DV1C. IF SHE ARGUES WITH HIM?	Argues.....	1    2    8
DV1D. IF SHE REFUSES SEX WITH HIM?	Refuses sex .....	1    2    8
DV1E. IF SHE BURNS THE FOOD?	Burns food.....	1    2    8

ANTHROPOMETRY MODULE FOR WOMEN		ANW
<p>After questionnaires for all women are complete, check a barcode label on the cover page  <input type="checkbox"/> Yes. ⇒ Go to ANTHROPOMETRY MODULE FOR INDIVIDUAL WOMEN  <input type="checkbox"/> No. ⇒ Next eligible woman.</p> <p>Record weight and length/height below, taking care to record the measurements on the correct questionnaire for each woman. Check the woman's name and line number on the household listing before recording measurements.</p>		
ANW1. Woman's weight.	Kilograms (kg).....	
ANW2. Woman's height.	Height (cm) .....	
ANW3. Measurer's identification code.	Measurer code .....	
ANW4. Result of measurement.	Measured ..... 1 Not present ..... 2 Refused..... 3  Other ( <i>specify</i> ) ..... 6	
<p>RECORD IF WOMEN UNABLE TO TAKE OFF THEIR BELONGING BEFORE WEIGHING:</p> <p>.....</p> <p>.....</p>		



## QUESTIONNAIRE FOR CHILDREN UNDER FIVE

Province \_\_\_\_\_  
 District \_\_\_\_\_  
 Village \_\_\_\_\_


<b>UNDER-FIVE CHILD INFORMATION PANEL</b>		<b>UF</b>
This questionnaire is to be administered to all mothers or caretakers (see household listing, column HL8) who care for a child that lives with them and is under the age of 5 years (see household listing, column HL5). A separate questionnaire should be used for each eligible child. Fill in the cluster and household number, and names and line numbers of the child and the mother/caretaker in the space below. Insert your own name and number, and the date.		
UF1. Cluster number: _____	UF2. Household number: _____	
UF3. Child's Name: _____	UF4. Child's Line Number: _____	
UF5. Mother's/Caretaker's Name: _____	UF6. Mother's/Caretaker's Line Number: _____	
UF7. Interviewer name and number: _____	UF8. Day/Month/Year of interview: ____ / ____ / _____	
UF9. Result of interview for children under 5  (Codes refer to mother/caretaker.)	Completed..... 1 Not at home ..... 2 Refused..... 3 Partly completed ..... 4 Incapacitated..... 5 Other (specify) _____ 6	

Repeat greeting if not already read to this respondent:

WE ARE FROM THE NATIONAL STATISTICAL CENTER AND MINISTRY OF HEALTH. WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THIS. THE INTERVIEW WILL TAKE SOME TIMES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE IDENTIFIED. ALSO, YOU ARE NOT OBLIGED TO ANSWER ANY QUESTION YOU DON'T WANT TO, AND YOU MAY WITHDRAW FROM THE INTERVIEW AT ANY TIME. MAY I START NOW?

If permission is given, begin the interview. If the respondent does not agree to continue, thank him/her and go to the next interview. Discuss this result with your supervisor for a future revisit.

UF10. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE HEALTH OF EACH CHILD UNDER THE AGE OF 5 IN YOUR CARE, WHO LIVES WITH YOU NOW. NOW I WANT TO ASK YOU ABOUT ( <i>name</i> ). IN WHAT MONTH AND YEAR WAS ( <i>name</i> ) BORN? Probe: WHAT IS HIS/HER BIRTHDAY?  If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day.	Date of birth: Day ..... ____ DK day ..... 98  Month ..... ____  Year..... ____	
UF11. HOW OLD WAS ( <i>name</i> ) AT HIS/HER LAST BIRTHDAY? Record age in completed years.	Age in completed years ..... ____	

BIRTH REGISTRATION AND EARLY LEARNING MODULE		BR
BR1. DOES ( <i>name</i> ) HAVE A BIRTH CERTIFICATE? MAY I SEE IT?	Yes, seen ..... 1 Yes, not seen ..... 2 No..... 3  DK ..... 8	1⇒BR5
BR2. HAS ( <i>name's</i> ) BIRTH BEEN REGISTERED WITH THE CIVIL AUTHORITIES?	Yes ..... 1 No..... 2 DK ..... 8	1⇒BR5 8⇒BR4
BR3. WHY IS ( <i>name's</i> ) BIRTH NOT REGISTERED?	Costs too much ..... 1 Must travel too far ..... 2 Did not know it should be registered..... 3 Did not want to pay fine ..... 4 Does not know where to register ..... 5  Other ( <i>specify</i> ) ..... 6 DK ..... 8	
BR4. DO YOU KNOW HOW TO REGISTER YOUR CHILD'S BIRTH?	Yes ..... 1 No..... 2	
BR5. Check age of child in UF11: Child is 3 or 4 years old?		
<input type="checkbox"/> Yes. ⇒ Continue with BR6		
<input type="checkbox"/> No. ⇒ Go to BR8		
BR6. DOES ( <i>name</i> ) ATTEND ANY ORGANIZED LEARNING OR EARLY CHILDHOOD EDUCATION PROGRAMME, SUCH AS A PRIVATE OR GOVERNMENT FACILITY, INCLUDING KINDERGARTEN OR COMMUNITY CHILD CARE?	Yes ..... 1  No..... 2  DK ..... 8	2⇒BR8 8⇒BR8
BR7. WITHIN THE LAST SEVEN DAYS, ABOUT HOW MANY HOURS DID ( <i>name</i> ) ATTEND?	No. of hours ..... _ _	
BR8. IN THE PAST 3 DAYS, DID YOU OR ANY HOUSEHOLD MEMBER OVER 15 YEARS OF AGE ENGAGE IN ANY OF THE FOLLOWING ACTIVITIES WITH ( <i>name</i> ):  <i>If yes, ask: WHO ENGAGED IN THIS ACTIVITY WITH THE CHILD - THE MOTHER, THE CHILD'S FATHER OR ANOTHER ADULT MEMBER OF THE HOUSEHOLD (INCLUDING THE CARETAKER/RESPONDENT)?</i> <i>Circle all that apply.</i>		
BR8A. READ BOOKS OR LOOK AT PICTURE BOOKS WITH ( <i>name</i> )?	Books	Mother    Father    Other    No one A        B        X        Y
BR8B. TELL STORIES TO ( <i>name</i> )?	Stories	A        B        X        Y
BR8C. SING SONGS WITH ( <i>name</i> )?	Songs	A        B        X        Y
BR8D. TAKE ( <i>name</i> ) OUTSIDE THE HOME, COMPOUND, YARD OR ENCLOSURE?	Take outside	A        B        X        Y
BR8E. PLAY WITH ( <i>name</i> )?	Play with	A        B        X        Y
BR8F. SPEND TIME WITH ( <i>name</i> ) NAMING, COUNTING, AND/OR DRAWING THINGS?	Spend time with	A        B        X        Y

**CHILD DEVELOPMENT**

**CE**

Question CE1 is to be administered only once to each caretaker

<p>CE1. HOW MANY BOOKS ARE THERE IN THE HOUSEHOLD? PLEASE INCLUDE SCHOOLBOOKS, BUT NOT OTHER BOOKS MEANT FOR CHILDREN, SUCH AS PICTURE BOOKS</p> <p>If 'none' enter 00</p>	<p>Number of non-children's books      0 —</p> <p>Ten or more non-children's books      10</p>	
<p>CE2. HOW MANY CHILDREN'S BOOKS OR PICTURE BOOKS DO YOU HAVE FOR (<i>name</i>)?</p> <p>If 'none' enter 00</p>	<p>Number of children's books      0 ___</p> <p>Ten or more books      10</p>	
<p>CE3. I AM INTERESTED IN LEARNING ABOUT THE THINGS THAT (<i>name</i>) PLAYS WITH WHEN HE/SHE IS AT HOME.</p> <p>WHAT DOES (<i>name</i>) PLAY WITH?</p> <p>DOES HE/SHE PLAY WITH</p> <p>HOUSEHOLD OBJECTS, SUCH AS BOWLS, PLATES, CUPS OR POTS?</p> <p>OBJECTS AND MATERIALS FOUND OUTSIDE THE LIVING QUARTERS, SUCH AS STICKS, ROCKS, ANIMALS, SHELLS, OR LEAVES?</p> <p>HOMEMADE TOYS, SUCH AS DOLLS, CARS AND OTHER TOYS MADE AT HOME?</p> <p>TOYS THAT CAME FROM A STORE?</p> <p>If the respondent says "YES" to any of the prompted categories, then probe to learn specifically what the child plays with to ascertain the response</p> <p>Code Y if child does not play with any of the items mentioned.</p>	<p>Household objects (bowls, plates, cups, pots).....A</p> <p>Objects and materials found outside the living quarters (sticks, rocks, animals, shells, leaves).....B</p> <p>Homemade toys (dolls, cars and other toys made at home).....C</p> <p>Toys that came from a store .....D</p> <p>No playthings mentioned.....Y</p>	
<p>CE4. SOMETIMES ADULTS TAKING CARE OF CHILDREN HAVE TO LEAVE THE HOUSE TO GO SHOPPING, WASH CLOTHES, OR FOR OTHER REASONS AND HAVE TO LEAVE YOUNG CHILDREN WITH OTHERS. SINCE LAST (<i>day of the week</i>) HOW MANY TIMES WAS (<i>name</i>) LEFT IN THE CARE OF ANOTHER CHILD (THAT IS, SOMEONE LESS THAN 10 YEARS OLD)?</p> <p>If 'none' enter 00</p>	<p>Number of times      ___ ___</p>	
<p>CE5. IN THE PAST WEEK, HOW MANY TIMES WAS (<i>name</i>) LEFT ALONE?</p> <p>If 'none' enter 00</p>	<p>Number of times      ___ ___</p>	

VITAMIN A MODULE		VA
VA1. HAS ( <i>name</i> ) EVER RECEIVED A VITAMIN A CAPSULE (SUPPLEMENT) LIKE THIS ONE?  Show capsule or dispenser for different doses – 100,000 IU for those 6-11 months old, 200,000 IU for those 12-59 months old.	Yes ..... 1	2⇒NEXT MODULE
	No..... 2	
	DK ..... 8	8⇒NEXT MODULE
VA2. HOW MANY MONTHS AGO DID ( <i>name</i> ) TAKE THE LAST DOSE?	Months ago ..... _ _	
	DK ..... 98	
VA3. WHERE DID ( <i>name</i> ) GET THIS LAST DOSE?	On routine visit to health facility ..... 1	
	Sick child visit to health facility ..... 2	
	National Immunization Day campaign ..... 3	
	Other ( <i>specify</i> ) ..... 6	
	DK ..... 8	

BREASTFEEDING MODULE		BF																																								
BF1. HAS ( <i>name</i> ) EVER BEEN BREASTFED?	Yes ..... 1 No..... 2 DK ..... 8	2⇒BF3 8⇒BF3																																								
BF2. IS HE/SHE STILL BEING BREASTFED?	Yes ..... 1 No..... 2 DK ..... 8																																									
BF3. SINCE THIS TIME YESTERDAY, DID HE/SHE RECEIVE ANY OF THE FOLLOWING:  Read each item aloud and record response before proceeding to the next item.  BF3A. VITAMIN, MINERAL SUPPLEMENTS OR MEDICINE? BF3B. PLAIN WATER? BF3C. SWEETENED, FLAVOURED WATER OR FRUIT JUICE OR TEA OR INFUSION? BF3D. ORAL REHYDRATION SOLUTION (ORS)? BF3E. INFANT FORMULA? BF3F. TINNED, POWDERED OR FRESH MILK? BF3F1. SOYBEAN MILK? BF3G. OTHER SEMI-LIQUID FOOD? BF3H. SOLID OR SEMI-SOLID (MUSHY) FOOD?	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Y</th> <th style="text-align: center;">N</th> <th style="text-align: center;">DK</th> </tr> </thead> <tbody> <tr> <td>A. Vitamin supplements .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>B. Plain water .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>C. Sweetened water or juice .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>D. ORS.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>E. Infant formula.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>F. Milk.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>F1. Soybean milk .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>G. Other semi-liquid food.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>H. Solid or semi-solid food.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> </tbody> </table>		Y	N	DK	A. Vitamin supplements .....	1	2	8	B. Plain water .....	1	2	8	C. Sweetened water or juice .....	1	2	8	D. ORS.....	1	2	8	E. Infant formula.....	1	2	8	F. Milk.....	1	2	8	F1. Soybean milk .....	1	2	8	G. Other semi-liquid food.....	1	2	8	H. Solid or semi-solid food.....	1	2	8	
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BF4. Check BF3H: Child received solid or semi-solid (mushy) food?  <input type="checkbox"/> Yes. ⇒ Continue with BF5  <input type="checkbox"/> No or DK. ⇒ Go to Next Module																																										
BF5. SINCE THIS TIME YESTERDAY, HOW MANY TIMES DID ( <i>name</i> ) EAT SOLID, SEMISOLID, OR SOFT FOODS OTHER THAN LIQUIDS?  If 7 or more times, record '7'.	No. of times ..... ____  Don't know ..... 8																																									

CARE OF ILLNESS MODULE		CA
<p>CA1. HAS (<i>name</i>) HAD DIARRHOEA IN THE LAST TWO WEEKS, THAT IS, SINCE (<i>day of the week</i>) OF THE WEEK BEFORE LAST?</p> <p>Diarrhoea is determined as perceived by mother or caretaker, or as three or more loose or watery stools per day, or blood in stool.</p>	Yes ..... 1 No..... 2 DK ..... 8	2⇒CA5 8⇒CA5
<p>CA2. DURING THIS LAST EPISODE OF DIARRHOEA, DID (<i>name</i>) DRINK ANY OF THE FOLLOWING:</p> <p>Read each item aloud and record response before proceeding to the next item.</p> <p>CA2A. A FLUID MADE FROM A SPECIAL PACKET CALLED (<i>local name for ORS packet solution</i>)?</p> <p>CA2B. GOVERNMENT-RECOMMENDED HOMEMADE FLUID?</p> <p>CA2C. A PRE-PACKAGED ORS FLUID FOR DIARRHOEA?</p>	<p style="text-align: right;">Yes No DK</p> A. Fluid from ORS packet ..... 1 2 8 B. Recommended homemade fluid .. 1 2 8 C. Pre-packaged ORS fluid..... 1 2 8	
<p>CA3. DURING (<i>name's</i>) ILLNESS, DID HE/SHE DRINK MUCH LESS, ABOUT THE SAME, OR MORE THAN USUAL?</p>	Much less or none..... 1 About the same (or somewhat less) ..... 2 More ..... 3 DK ..... 8	
<p>CA4. DURING (<i>name's</i>) ILLNESS, DID HE/SHE EAT LESS, ABOUT THE SAME, OR MORE FOOD THAN USUAL?</p> <p>If "less", probe: MUCH LESS OR A LITTLE LESS?</p>	None..... 1 Much less ..... 2 Somewhat less..... 3 About the same ..... 4 More ..... 5 DK ..... 8	
<p>CA5. HAS (<i>name</i>) HAD AN ILLNESS WITH A COUGH AT ANY TIME IN THE LAST TWO WEEKS, THAT IS, SINCE (<i>day of the week</i>) OF THE WEEK BEFORE LAST?</p>	Yes ..... 1 No..... 2 DK ..... 8	2⇒CA12 8⇒CA12
<p>CA6. WHEN (<i>name</i>) HAD AN ILLNESS WITH A COUGH, DID HE/SHE BREATHE FASTER THAN USUAL WITH SHORT, QUICK BREATHS OR HAVE DIFFICULTY BREATHING?</p>	Yes ..... 1 No..... 2 DK ..... 8	2⇒CA12 8⇒CA12
<p>CA7. WERE THE SYMPTOMS DUE TO A PROBLEM IN THE CHEST OR A BLOCKED NOSE?</p>	Problem in chest ..... 1 Blocked nose ..... 2 Both ..... 3 Other ( <i>specify</i> ) ..... 6 DK ..... 8	2⇒CA12 6⇒CA12
<p>CA8. DID YOU SEEK ADVICE OR TREATMENT FOR THE ILLNESS OUTSIDE THE HOME?</p>	Yes ..... 1 No..... 2 DK ..... 8	2⇒CA10 8⇒CA10

<p>CA9. FROM WHERE DID YOU SEEK CARE?</p> <p>ANYWHERE ELSE?</p> <p>Circle all providers mentioned, but do NOT prompt with any suggestions.</p> <p>If source is hospital, health center, or clinic, write the name of the place below. Probe to identify the type of source and circle the appropriate code.</p> <p>_____</p> <p>(Name of place)</p>	<p>Public sector</p> <p>Govt. hospital ..... A</p> <p>Govt. health centre ..... B</p> <p>Govt. health post ..... C</p> <p>Village health worker ..... D</p> <p>Mobile/outreach clinic ..... E</p> <p>Other public (<i>specify</i>) _____ H</p> <p>Private medical sector</p> <p>Private hospital/clinic ..... I</p> <p>Private physician ..... J</p> <p>Private pharmacy ..... K</p> <p>Mobile clinic ..... L</p> <p>Other private medical (<i>specify</i>) _____ O</p> <p>Other source</p> <p>Relative or friend ..... P</p> <p>Shop ..... Q</p> <p>Traditional practitioner ..... R</p> <p>Other (<i>specify</i>) _____ X</p>	
<p>CA10. WAS (<i>name</i>) GIVEN MEDICINE TO TREAT THIS ILLNESS?</p>	<p>Yes ..... 1</p> <p>No ..... 2</p> <p>DK ..... 8</p>	<p>2⇒CA12</p> <p>8⇒CA12</p>
<p>CA11. WHAT MEDICINE WAS (<i>name</i>) GIVEN?</p> <p>Circle all medicines given.</p>	<p>Antibiotic ..... A</p> <p>Paracetamol ..... P</p> <p>Aspirin ..... Q</p> <p>Other (<i>specify</i>) _____ X</p> <p>DK ..... Z</p>	
<p>CA12. Check UF11: Child aged under 3?</p> <p><input type="checkbox"/> Yes. ⇒ Continue with CA13</p> <p><input type="checkbox"/> No. ⇒ Go to CA14</p>		
<p>CA13. THE LAST TIME (<i>name</i>) PASSED STOOLS, WHAT WAS DONE TO DISPOSE OF THE STOOLS?</p>	<p>Child used toilet/latrine ..... 01</p> <p>Put/rinsed into toilet or latrine ..... 02</p> <p>Put/rinsed into drain or ditch ..... 03</p> <p>Thrown into garbage (solid waste) ..... 04</p> <p>Buried ..... 05</p> <p>Left in the open ..... 06</p> <p>Other (<i>specify</i>) _____ 96</p> <p>DK ..... 98</p>	

<p>Ask the following question (CA14) only once for each mother/caretaker.</p> <p>CA14. SOMETIMES CHILDREN HAVE SEVERE ILLNESSES AND SHOULD BE TAKEN IMMEDIATELY TO A HEALTH FACILITY. WHAT TYPES OF SYMPTOMS WOULD CAUSE YOU TO TAKE YOUR CHILD TO A HEALTH FACILITY RIGHT AWAY?</p> <p>Keep asking for more signs or symptoms until the mother/caretaker cannot recall any additional symptoms. Circle all symptoms mentioned, But do NOT prompt with any suggestions.</p>	<p>Child not able to drink or breastfeed ..... A</p> <p>Child becomes sicker ..... B</p> <p>Child develops a fever ..... C</p> <p>Child has fast breathing ..... D</p> <p>Child has difficult breathing..... E</p> <p>Child has blood in stool..... F</p> <p>Child is drinking poorly..... G</p> <p>Other (<i>specify</i>) _____ X</p> <p>Other (<i>specify</i>) _____ Y</p> <p>Other (<i>specify</i>) _____ Z</p>	
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MALARIA MODULE FOR UNDER-FIVES		ML
ML1. IN THE LAST TWO WEEKS, THAT IS, SINCE ( <i>day of the week</i> ) OF THE WEEK BEFORE LAST, HAS ( <i>name</i> ) BEEN ILL WITH A FEVER?	Yes ..... 1 No..... 2  DK ..... 8	2⇒ML10  8⇒ML10
ML2. WAS ( <i>name</i> ) SEEN AT A HEALTH FACILITY DURING THIS ILLNESS?	Yes ..... 1 No..... 2  DK ..... 8	2⇒ML6  8⇒ML6
ML3. DID ( <i>name</i> ) TAKE A MEDICINE FOR FEVER OR MALARIA THAT WAS PROVIDED OR PRESCRIBED AT THE HEALTH FACILITY?	Yes ..... 1 No..... 2  DK ..... 8	2⇒ML5  8⇒ML5
ML4. WHAT MEDICINE DID ( <i>name</i> ) TAKE THAT WAS PROVIDED OR PRESCRIBED AT THE HEALTH FACILITY?  <i>Circle all medicines mentioned.</i>	Anti-malarials: SP/Fansidar ..... A Chloroquine ..... B Quinine ..... C Coartem ..... D Other anti-malarial ( <i>specify</i> ) ..... E  Other medications: Paracetamol/Panadol/Acetaminophen ... P Aspirin ..... Q Ibuprofen ..... R  Other ( <i>specify</i> ) ..... X DK ..... Z	
ML5. WAS ( <i>name</i> ) GIVEN MEDICINE FOR THE FEVER OR MALARIA BEFORE BEING TAKEN TO THE HEALTH FACILITY?	Yes ..... 1 No..... 2  DK ..... 8	1⇒ML7 2⇒ML8  8⇒ML8
ML6. WAS ( <i>name</i> ) GIVEN MEDICINE FOR FEVER OR MALARIA DURING THIS ILLNESS?	Yes ..... 1 No..... 2  DK ..... 8	2⇒ML8  8⇒ML8
ML7. WHAT MEDICINE WAS ( <i>name</i> ) GIVEN?  <i>Circle all medicines given. Ask to see the medication if type is not known. If type of medication is still not determined, show typical anti-malarials to respondent.</i>	Anti-malarials: SP/Fansidar ..... A Chloroquine ..... B Quinine ..... C Coartem ..... D Other anti-malarial ( <i>specify</i> ) ..... E  Other medications: Paracetamol/Panadol/Acetaminophen ... P Aspirin ..... Q Ibuprofen ..... R  Other ( <i>specify</i> ) ..... X DK ..... Z	
ML8. Check ML4 and ML7: Anti-malarial mentioned (codes A - H)?  <input type="checkbox"/> Yes. ⇒ Continue with ML9  <input type="checkbox"/> No. ⇒ Go to ML10		
ML9. HOW LONG AFTER THE FEVER STARTED DID ( <i>name</i> ) FIRST TAKE ( <i>name of anti-malarial</i>	Same day ..... 0 Next day ..... 1	

<p>from ML4 or ML7)?</p> <p><i>If multiple anti-malarials mentioned in ML4 or ML7, name all anti-malarial medicines mentioned.</i></p> <p><i>Record the code for the day on which the first anti-malarial was given.</i></p>	<p>2 days after the fever ..... 2</p> <p>3 days after the fever ..... 3</p> <p>4 or more days after the fever ..... 4</p> <p>DK ..... 8</p>	
<p>ML10. DID (name) SLEEP UNDER A MOSQUITO NET LAST NIGHT?</p>	<p>Yes ..... 1</p> <p>No..... 2</p> <p>DK ..... 8</p>	<p>2⇒NEXT MODULE</p> <p>8⇒NEXT MODULE</p>
<p>ML11. HOW LONG AGO DID YOUR HOUSEHOLD OBTAIN THE MOSQUITO NET?</p> <p><i>If less than 1 month, record '00'.</i></p> <p><i>If answer is "12 months" or "1 year", probe to determine if net was treated exactly 12 months ago or earlier or later.</i></p>	<p>Months ago ..... _ _</p> <p>More than 24 months ago ..... 95</p> <p>Not sure..... 98</p>	
<p>ML12. WHAT TYPE OF NET IS THIS NET?</p> <p><i>If the respondent does not know the brand of the net, show pictorials, or if possible, observe the net.</i></p> <p>LONG-LASTING TREATED NETS:</p> <p>PRE-TREATED NETS:</p> <p>OTHER NETS:</p>	<p>Long lasting treated net.....1</p> <p>Pre-treated net.....2</p> <p>Other net.....3</p> <p>DK brand ..... 98</p>	<p>1⇒NEXT MODULE</p> <p>2⇒NEXT MODULE</p>
<p>ML13. WHEN YOU GOT THAT NET, WAS IT ALREADY TREATED WITH AN INSECTICIDE TO KILL OR REPEL MOSQUITOES?</p>	<p>Yes ..... 1</p> <p>No..... 2</p> <p>DK/not sure ..... 8</p>	
<p>ML14. SINCE YOU GOT THE MOSQUITO NET, WAS IT EVER SOAKED OR DIPPED IN A LIQUID TO KILL/REPEL MOSQUITOES OR BUGS?</p>	<p>Yes ..... 1</p> <p>No..... 2</p> <p>DK ..... 8</p>	<p>2⇒ NEXT MODULE</p> <p>8⇒ NEXT MODULE</p>
<p>ML15. HOW LONG AGO WAS THE NET LAST SOAKED OR DIPPED?</p> <p><i>If less than 1 month, record '00'.</i></p> <p><i>If answer is "12 months" or "1 year", probe to determine if net was treated exactly 12 months ago or earlier or later.</i></p>	<p>Months ago ..... _ _</p> <p>More than 24 months ago ..... 95</p> <p>DK ..... 98</p>	

IMMUNIZATION MODULE										IM
If an immunization card is available, copy the dates in IM2-IM8 for each type of immunization or vitamin A dose recorded on the card. IM10-IM18 are for recording vaccinations that are not recorded on the card. IM10-IM18 will only be asked when a card is not available.										
IM1. IS THERE A VACCINATION CARD FOR ( <i>name</i> )?		Yes, seen ..... 1							2⇒IM10	
		Yes, not seen ..... 2							3⇒IM10	
		No..... 3								
(a) Copy dates for each vaccination from the card.		Date of Immunization								
(b) Write '44' in day column if card shows that vaccination was given but no date recorded.		DAY	MONTH		YEAR					
IM2. BCG	BCG									
IM3A. POLIO AT BIRTH	OPV0									
IM3B. POLIO 1	OPV1									
IM3C. POLIO 2	OPV2									
IM3D. POLIO 3	OPV3									
IM4A. DPT1	DPT1									
IM4B. DPT2	DPT2									
IM4C. DPT3	DPT3									
IM5A. DPTHEPB1	(DPT)H1									
IM5B. DPTHEPB2)	(DPT)H2									
IM5C. DPTHEPB3	(DPT)H3									
IM6. MEASLES	MEASLES									
IM8A. VITAMIN A (1)	VITA1									
IM8B. VITAMIN A (2)	VITA2									
IM9. IN ADDITION TO THE VACCINATIONS AND VITAMIN A CAPSULES SHOWN ON THIS CARD, DID ( <i>name</i> ) RECEIVE ANY OTHER VACCINATIONS – INCLUDING VACCINATIONS RECEIVED IN CAMPAIGNS OR IMMUNIZATION DAYS?		Yes ..... 1							1⇒IM19	
Record 'Yes' only if respondent mentions BCG, OPV 0-3, DPT 1-3, DPT Hb1-3, Measles, or Vitamin A supplements.		(Probe for vaccinations and write '66' in the corresponding day column on IM2 to IM8B.)							2⇒IM19	
		No..... 2							8⇒IM19	
		DK ..... 8								
IM10. HAS ( <i>name</i> ) EVER RECEIVED ANY VACCINATIONS TO PREVENT HIM/HER FROM GETTING DISEASES, INCLUDING VACCINATIONS RECEIVED IN A CAMPAIGN OR ROUTINE IMMUNIZATION ROUND?		Yes ..... 1							2⇒IM19	
		No..... 2							8⇒IM19	
		DK ..... 8								

IM11. HAS ( <i>name</i> ) EVER BEEN GIVEN A BCG VACCINATION AGAINST TUBERCULOSIS – THAT IS, AN INJECTION IN THE ARM OR SHOULDER THAT CAUSED A SCAR?	Yes ..... 1 No..... 2 DK ..... 8	
IM12. HAS ( <i>name</i> ) EVER BEEN GIVEN ANY “VACCINATION DROPS IN THE MOUTH” TO PROTECT HIM/HER FROM GETTING DISEASES – THAT IS, POLIO?	Yes ..... 1 No..... 2 DK ..... 8	2⇒IM15 8⇒IM15
IM13. HOW OLD WAS HE/SHE WHEN THE FIRST DOSE WAS GIVEN – JUST AFTER BIRTH (WITHIN TWO WEEKS) OR LATER?	Just after birth (within two weeks)..... 1 Later ..... 2	
IM14. HOW MANY TIMES HAS HE/SHE BEEN GIVEN THESE DROPS?	No. of times ..... _ _	
IM15. HAS ( <i>name</i> ) EVER BEEN GIVEN “DPT VACCINATION INJECTIONS” – THAT IS, AN INJECTION IN THE THIGH OR BUTTOCKS – TO PREVENT HIM/HER FROM GETTING TETANUS, WHOOPING COUGH, DIPHTHERIA? (SOMETIMES GIVEN AT THE SAME TIME AS POLIO)	Yes ..... 1 No..... 2 DK ..... 8	2⇒IM17 8⇒IM17
IM16. HOW MANY TIMES?	No. of times ..... _ _	
IM17. HAS ( <i>name</i> ) EVER BEEN GIVEN “MEASLES VACCINATION INJECTIONS” OR MMR – THAT IS, A SHOT IN THE ARM AT THE AGE OF 9 MONTHS OR OLDER - TO PREVENT HIM/HER FROM GETTING MEASLES?	Yes ..... 1 No..... 2 DK ..... 8	

IM18. *Does another eligible child reside in the household for whom this respondent is mother/caretaker? Check household listing, column HL8.*

Yes. ⇒ End the current questionnaire and then Go to QUESTIONNAIRE FOR CHILDREN UNDER FIVE to administer the questionnaire for the next eligible child.

No. ⇒ End the interview with this respondent by thanking him/her for his/her cooperation. If this is the last eligible child in the household, go on to ANTHROPOMETRY MODULE. Take them to the anthropometry point with all eligible women and children from this household.

<b>ANTHROPOMETRY MODULE</b>		<b>AN</b>
After questionnaires for all children are complete, the measurer weighs and measures each child. Record weight and length/height below, taking care to record the measurements on the correct questionnaire for each child. Check the child’s name and line number on the household listing before recording measurements.		
AN1. Child’s weight.	Kilograms (kg) ..... _ _ . _	

