

# MALARIA

**Table 12.1 Household possession of mosquito nets**

Percentage of households with at least one mosquito net (treated or untreated), insecticide-treated net (ITN), and long-lasting insecticidal net (LLIN); average number of nets, ITNs, and LLINs per household; and percentage of households with at least one net, ITN, and LLIN per two persons who stayed in the household last night, by background characteristics, Model DHS 6 data

Background Characteristic	Percentage of households with at least one mosquito net			Average number of nets per household			Number of households	Percentage of households with at least one net for every two persons who stayed in the household last night <sup>1</sup>			Number of households with at least one person who stayed in the household last night
	Any mosquito net	Insecticide-treated mosquito net (ITN) <sup>2</sup>	Long-lasting insecticidal net (LLIN)	Any mosquito net	Insecticide-treated mosquito net (ITN) <sup>2</sup>	Long-lasting insecticidal net (LLIN)		Any mosquito net	Insecticide-treated mosquito net (ITN) <sup>2</sup>	Long-lasting insecticidal net (LLIN)	
<b>Residence</b>											
Urban	55.8	55.0	54.9	1.0	1.0	0.9	2,555	14.9	14.5	14.5	2,551
Rural	67.9	67.3	67.3	1.2	1.2	1.2	3,735	15.1	14.9	14.9	3,725
<b>Region</b>											
Region 1	65.7	65.6	65.5	1.2	1.2	1.2	2,106	12.2	12.2	12.1	2,103
Region 2	77.6	76.0	76.0	1.5	1.4	1.4	1,331	20.9	20.1	20.1	1,324
Region 3	45.7	44.9	44.8	0.8	0.7	0.7	1,501	14.1	13.6	13.6	1,497
Region 4	63.6	63.1	63.0	1.1	1.1	1.1	1,352	14.9	14.7	14.7	1,352
<b>Wealth quintile</b>											
Lowest	62.6	61.6	61.6	1.1	1.1	1.1	1,359	17.1	16.9	16.9	1,356
Second	66.9	66.6	66.6	1.2	1.2	1.2	1,252	14.6	14.5	14.4	1,249
Middle	69.1	68.6	68.6	1.3	1.3	1.3	1,214	13.5	13.2	13.2	1,209
Fourth	63.1	62.7	62.4	1.2	1.1	1.1	1,216	14.2	14.0	14.0	1,216
Highest	53.5	52.4	52.3	1.0	0.9	0.9	1,249	15.5	14.9	14.9	1,245
Total	63.0	62.3	62.3	1.1	1.1	1.1	6,290	15.0	14.7	14.7	6,276

<sup>1</sup> De facto household members

<sup>2</sup> An insecticide-treated net (ITN) is (1) a factory-treated net that does not require any further treatment (LLIN) or (2) a pretreated net obtained within the past 12 months or (3) a net that has been soaked with insecticide within the past 12 months

**Table 12.2 Indoor residual spraying against mosquitoes**

Percentage of households in which someone has come into the dwelling to spray the interior walls against mosquitoes (IRS) in the past 12 months, the percentage of households with at least one ITN and/or IRS in the past 12 months, and the percentage of households with at least one ITN for every two persons and/or IRS in the past 12 months, by background characteristics, Model DHS 6 data

Background characteristic	Percentage of households with IRS <sup>1</sup> in the past 12 months	Percentage of households with at least one ITN <sup>2</sup> and/or IRS in the past 12 months	Percentage of households with at least one ITN <sup>2</sup> for every two persons and/or IRS in the past 12 months	Number of households
<b>Residence</b>				
Urban	7.2	58.2	20.3	2,555
Rural	6.1	68.6	20.1	3,735
<b>Region</b>				
Region 1	5.7	67.7	17.6	2,106
Region 2	8.7	76.4	27.3	1,331
Region 3	10.1	49.7	21.4	1,501
Region 4	1.7	63.5	16.0	1,352
<b>Wealth quintile</b>				
Lowest	5.1	62.3	20.8	1,359
Second	6.7	68.2	20.6	1,252
Middle	4.9	70.1	17.4	1,214
Fourth	7.0	65.0	20.4	1,216
Highest	9.0	56.5	21.6	1,249
Total	6.5	64.4	20.2	6,290

<sup>1</sup> Indoor residual spraying (IRS) is limited to spraying conducted by a government, private or non-governmental organization

<sup>2</sup> An insecticide-treated net (ITN) is (1) a factory-treated net that does not require any further treatment (LLIN), or (2) a pretreated net obtained within the past 12 months, or (3) a net that has been soaked with insecticide within the past 12 months

**Table 12.3 Access to an insecticide-treated net (ITN)**

Percent distribution of the de facto household population by number of ITNs the household owns, according to number of persons who stayed in the household the night before the survey, Model DHS 6 data

Number of ITNs	Number of persons who stayed in the household the night before the survey								Total
	1	2	3	4	5	6	7	8+	
0	50.0	47.9	41.2	36.4	40.1	35.1	32.0	34.2	35.9
1	43.7	44.5	40.4	40.2	29.5	27.0	20.2	16.0	24.6
2	5.8	5.8	15.2	17.5	20.4	22.5	26.1	17.9	19.5
3	0.6	1.8	3.2	5.9	9.6	14.9	21.3	27.6	18.2
4	0.0	0.0	0.0	0.0	0.3	0.5	0.2	1.6	0.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	0.6
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5
7+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number	296	708	1,955	3,705	5,205	5,195	5,024	14,522	36,610
Percent with access to an ITN <sup>1</sup>	50.0	52.1	45.3	43.5	38.1	39.4	39.3	30.0	36.5

<sup>1</sup> Percentage of the de facto household population who could sleep under an ITN if each ITN in the household were used by up to two people

Table 12.4 Use of mosquito nets by persons in the household

Percentage of the de facto household population who slept the night before the survey under a mosquito net (treated or untreated), under an insecticide-treated net (ITN), under a long-lasting insecticidal net (LLIN), and under an ITN or in a dwelling in which the interior walls have been sprayed against mosquitoes (IRS) in the past 12 months; and among the de facto household population in households with at least one ITN, the percentage who slept under an ITN the night before the survey, by background characteristics, Model DHS 6 data

Background characteristic	Household population				Number	Household population in households with at least one ITN <sup>1</sup>	
	Percentage who slept under any net last night	Percentage who slept under an ITN <sup>1</sup> last night	Percentage who slept under an LLIN last night	Percentage who slept under an ITN <sup>1</sup> last night or in a dwelling sprayed with IRS <sup>2</sup> in the past 12 months		Percentage who slept under an ITN <sup>1</sup> last night	Number
<b>Age (in years)</b>							
<5	47.7	47.3	47.2	50.8	6,004	71.9	3,945
5-14	31.6	31.3	31.2	36.0	10,580	48.1	6,879
15-34	36.5	36.1	36.1	41.1	11,002	58.4	6,801
35-39	52.7	51.9	51.8	55.1	4,933	81.0	3,162
50+	50.7	50.1	50.0	52.9	4,078	76.0	2,687
DK/Missing	*	*	*	*	13	*	5
<b>Sex</b>							
Male	38.5	38.1	38.0	42.7	17,640	59.4	11,306
Female	42.7	42.2	42.2	46.0	18,970	65.8	12,174
<b>Residence</b>							
Urban	32.2	31.7	31.6	37.4	14,615	55.4	8,359
Rural	46.3	45.9	45.8	49.0	21,995	66.7	15,121
<b>Region</b>							
Region 1	42.4	42.3	42.3	45.7	13,282	63.6	8,838
Region 2	55.1	53.9	53.9	58.0	7,545	68.5	5,934
Region 3	23.1	22.6	22.5	31.1	8,201	48.0	3,858
Region 4	42.3	42.0	41.9	43.0	7,581	65.6	4,849
<b>Wealth quintile</b>							
Lowest	43.7	43.1	43.1	45.5	7,318	69.5	4,537
Second	45.3	45.0	45.0	48.7	7,322	65.4	5,031
Middle	46.1	45.8	45.8	49.5	7,350	65.1	5,175
Fourth	40.2	39.7	39.5	44.3	7,304	62.1	4,669
Highest	28.0	27.5	27.4	34.0	7,316	49.4	4,067
<b>Total</b>	40.7	40.2	40.2	44.4	36,610	62.7	23,479

Note: An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> An insecticide-treated net (ITN) is (1) a factory-treated net that does not require any further treatment (LLIN), or (2) a pretreated net obtained within the past 12 months, or (3) a net that has been soaked with insecticide within the past 12 months

<sup>2</sup> Indoor residual spraying (IRS) is limited to spraying conducted by a government, private or non-governmental organization

**Table 12.5 Use of existing ITNs**

Percentage of insecticide-treated nets (ITNs) that were used by anyone the night before the survey, by background characteristics, Model DHS 6 data

Background characteristic	Percentage of existing ITNs <sup>1</sup> used last night	Number of ITNs <sup>1</sup>
<b>Residence</b>		
Urban	84.6	2,431
Rural	94.8	4,602
<b>Region</b>		
Region 1	95.8	2,555
Region 2	94.0	1,893
Region 3	76.0	1,096
Region 4	91.4	1,488
<b>Wealth quintile</b>		
Lowest	94.4	1,453
Second	94.9	1,504
Middle	94.4	1,540
Fourth	90.0	1,385
Highest	80.1	1,151
Total	91.3	7,033

<sup>1</sup> An insecticide-treated net (ITN) is (1) a factory-treated net that does not require any further treatment (LLIN), or (2) a pretreated net obtained within the past 12 months, or (3) a net that has been soaked with insecticide within the past 12 months

Table 12.6 Use of mosquito nets by children

Percentage of children under five years of age who, the night before the survey, slept under a mosquito net (treated or untreated), under an insecticide-treated net (ITN), under a long-lasting insecticidal net (LLIN), and under an ITN or in a dwelling in which the interior walls have been sprayed against mosquitoes (IRS) in the past 12 months; and among children under five years of age in households with at least one ITN, the percentage who slept under an ITN the night before the survey, by background characteristics, Model DHS 6 data

Background characteristic	Children under age 5 in all households				Number of children	Children under age 5 in households with at least one ITN <sup>1</sup>	
	Percentage who slept under any net last night	Percentage who slept under an ITN <sup>1</sup> last night	Percentage who slept under an LLIN last night	Percentage who slept under an ITN <sup>1</sup> last night or in a dwelling sprayed with IRS <sup>2</sup> in the past 12 months		Percentage who slept under an ITN <sup>1</sup> last night	Number of children
<b>Age (in months)</b>							
<12	49.3	49.0	48.9	53.6	1,248	73.8	828
12-23	50.9	50.6	50.6	53.4	1,088	76.6	718
24-35	49.1	48.6	48.6	51.3	1,121	75.3	724
36-47	47.5	46.8	46.7	50.8	1,308	69.9	876
48-59	42.3	41.8	41.8	45.3	1,238	64.8	798
<b>Sex</b>							
Male	47.2	46.8	46.7	50.7	2,984	71.0	1,967
Female	48.2	47.7	47.7	50.9	3,019	72.9	1,979
<b>Residence</b>							
Urban	39.2	38.5	38.4	42.6	1,915	67.3	1,095
Rural	51.7	51.4	51.3	54.6	4,089	73.7	2,850
<b>Region</b>							
Region 1	48.6	48.5	48.4	51.2	2,344	72.1	1,576
Region 2	61.5	60.5	60.5	65.3	1,353	74.1	1,104
Region 3	26.7	26.0	26.0	32.9	1,005	58.2	448
Region 4	48.1	47.8	47.7	49.0	1,302	76.3	817
<b>Wealth quintile</b>							
Lowest	49.1	48.7	48.7	50.9	1,441	77.1	911
Second	50.6	50.2	50.2	53.4	1,320	73.6	900
Middle	52.9	52.7	52.7	56.0	1,265	73.6	906
Fourth	46.4	46.0	45.7	51.3	1,156	69.2	768
Highest	34.6	33.4	33.4	37.8	822	59.8	460
Total	47.7	47.3	47.2	50.8	6,004	71.9	3,945

Note: Table is based on children who stayed in the household the night before the interview.

<sup>1</sup> An insecticide-treated net (ITN) is (1) a factory-treated net that does not require any further treatment (LLIN), or (2) a pretreated net obtained within the past 12 months, or (3) a net that has been soaked with insecticide within the past 12 months.

<sup>2</sup> Indoor residual spraying (IRS) is limited to spraying conducted by a government, private or non-governmental organization

Table 12.7 Use of mosquito nets by pregnant women

Percentages of pregnant women age 15-49 who, the night before the survey, slept under a mosquito net (treated or untreated), under an insecticide-treated net (ITN), under a long-lasting insecticidal net (LLIN), and under an ITN or in a dwelling in which the interior walls have been sprayed against mosquitoes (IRS) in the past 12 months; and among pregnant women age 15-49 in households with at least one ITN, the percentage who slept under an ITN the night before the survey, by background characteristics, Model DHS 6 data

Background characteristic	Among pregnant women age 15-49 in all households					Among pregnant women age 15-49 in households with at least one ITN <sup>1</sup>	
	Percentage who slept under any net last night	Percentage who slept under an ITN <sup>1</sup> last night	Percentage who slept under an LLIN last night	Percentage who slept under an ITN <sup>1</sup> last night or in a dwelling sprayed with IRS <sup>2</sup> in the past 12 months	Number of women	Percentage who slept under an ITN <sup>1</sup> last night	Number of women
<b>Residence</b>							
Urban	41.0	40.2	40.2	43.2	247	65.4	152
Rural	56.1	55.7	55.5	57.5	483	82.2	328
<b>Region</b>							
Region 1	53.1	52.7	52.3	55.1	302	79.2	201
Region 2	66.0	65.2	65.2	67.4	138	82.1	110
Region 3	25.6	25.6	25.6	29.9	134	47.7	72
Region 4	55.3	54.4	54.4	54.5	157	87.7	97
<b>Education</b>							
No education	56.0	55.3	55.0	57.5	455	83.0	303
Primary	52.0	52.0	52.0	53.5	101	74.5	71
Secondary or higher	37.3	37.0	37.0	39.6	175	60.8	106
<b>Wealth quintile</b>							
Lowest	56.1	55.8	55.8	56.3	181	85.0	119
Second	60.1	60.1	60.1	64.6	158	82.1	116
Middle	53.8	53.8	53.8	55.5	148	81.6	98
Fourth	49.9	48.5	47.6	51.1	138	78.2	86
Highest	26.1	24.8	24.8	26.9	106	42.1	62
Total	51.0	50.5	50.3	52.7	731	76.8	480

Note: Table is based on women who stayed in the household the night before the interview.

<sup>1</sup> An insecticide-treated net (ITN) is (1) a factory-treated net that does not require any further treatment (LLIN), or (2) a pretreated net obtained within the past 12 months, or (3) a net that has been soaked with insecticide within the past 12 months.

<sup>2</sup> Indoor residual spraying (IRS) is limited to spraying conducted by a government, private or non-governmental organization

**Table 12.8 Use of Intermittent Preventive Treatment (IPTp) by women during pregnancy**

Percentage of women age 15-49 with a live birth in the two years preceding the survey who, during the pregnancy preceding the last birth, received any SP/Fansidar during an ANC visit, and who took at least two doses of SP/Fansidar and received at least one dose during an ANC visit, by background characteristics, Model DHS 6 data

Background characteristic	Percentage who received any SP/Fansidar during an ANC visit	Percentage who took 2+ doses of SP/Fansidar and received at least one during ANC visit	Number of women with a live birth in the two years preceding the survey
<b>Residence</b>			
Urban	67.0	46.9	796
Rural	60.3	44.4	1,523
<b>Region</b>			
Region 1	62.6	50.3	918
Region 2	65.6	48.6	467
Region 3	66.0	43.6	449
Region 4	56.5	34.3	485
<b>Education</b>			
No education	59.2	43.5	1,446
Primary	64.8	45.6	362
Secondary or higher	70.5	50.3	511
<b>Wealth quintile</b>			
Lowest	62.5	41.7	524
Second	57.5	41.3	494
Middle	60.8	47.6	502
Fourth	62.3	46.2	444
Highest	72.7	51.8	354
Total	62.6	45.3	2,319



Table 12.9 Prevalence, diagnosis, and prompt treatment of children with fever

Percentage of children under age five with fever in the two weeks preceding the survey; and among children under age five with fever, the percentage for whom advice or treatment was sought, the percentage who had blood taken from a finger or heel, the percentage who took any artemisinin-based combination therapy (ACT), the percentage who took ACT the same or next day following the onset of fever, the percentage who took antimalarial drugs, and the percentage who took the drugs the same or next day following the onset of fever, by background characteristics, Model DHS 6 data

Background characteristic	Among children under age five:		Among children under age five with fever:						
	Percentage with fever in the two weeks preceding the survey	Number of children	Percentage for whom advice or treatment was sought <sup>1</sup>	Percentage who had blood taken from a finger or heel for testing	Percentage who took any ACT	Percentage who took any ACT same or next day	Percentage who took antimalarial drugs	Percentage who took antimalarial drugs same or next day	Number of children
<b>Age (in months)</b>									
<12	25.2	1,191	72.4	35.3	24.4	20.5	36.3	29.4	300
12-23	33.3	1,024	77.6	42.9	39.1	28.9	49.6	37.1	341
24-35	28.2	976	66.3	35.9	37.6	26.0	46.9	35.3	275
36-47	22.7	1,076	71.0	39.5	39.2	31.0	50.0	38.9	244
48-59	20.5	961	67.1	37.8	34.9	22.1	47.5	32.8	197
<b>Sex</b>									
Male	25.5	2,596	72.9	39.8	37.5	27.4	48.1	36.5	662
Female	26.5	2,632	70.1	37.2	32.6	24.4	43.8	33.0	696
<b>Residence</b>									
Urban	27.9	1,720	73.7	30.2	32.3	20.9	44.7	30.6	480
Rural	25.0	3,508	70.3	42.9	36.4	28.6	46.5	37.0	877
<b>Region</b>									
Region 1	28.1	1,965	66.7	40.3	32.3	29.1	45.8	39.8	553
Region 2	25.7	1,169	67.4	39.0	33.7	22.8	38.7	26.5	300
Region 3	25.3	948	67.6	24.2	26.9	12.3	39.0	21.9	239
Region 4	23.2	1,145	89.4	46.8	49.2	34.8	60.4	45.3	265
<b>Mother's education</b>									
No education	25.9	3,516	69.2	38.0	34.3	25.3	43.9	32.8	911
Primary	26.4	744	70.3	33.7	34.1	22.0	46.6	37.4	197
Secondary or higher	25.8	968	80.6	43.8	38.2	30.8	52.3	39.8	250
<b>Wealth quintile</b>									
Lowest	24.8	1,223	66.9	38.9	36.8	26.2	45.8	32.3	303
Second	23.8	1,136	72.1	40.5	33.8	25.9	42.7	34.3	271
Middle	28.7	1,078	74.3	44.6	34.3	28.1	46.0	37.3	309
Fourth	28.4	1,029	72.2	38.1	32.0	24.5	46.0	34.1	292
Highest	24.0	761	72.2	24.7	39.2	23.5	50.3	36.0	182
<b>Total</b>	26.0	5,228	71.5	38.4	35.0	25.8	45.9	34.7	1,358

<sup>1</sup> Excludes market and traditional practitioner

**Table 12.10 Source of advice or treatment for children with fever**

Percentage of children under age five with fever in the two weeks preceding the survey for whom advice or treatment was sought from specific sources; and among children under age five with fever in the two weeks preceding the survey for whom advice or treatment was sought, the percentage for whom advice or treatment was sought from specific sources, by background characteristics, Model DHS 6 data

Background characteristic	Percentage for whom advice or treatment was sought from each source:	
	Among children with fever	Among children with fever for whom advice or treatment was sought
<b>Any public sector source</b>	62.1	84.2
Government hospital	10.7	14.5
Government health center	40.6	55.2
Government health post	9.0	12.2
Mobile clinic	0.5	0.7
Outreach worker	1.2	1.6
Community health worker	2.1	2.9
Other	0.2	0.3
<b>Any private sector source</b>	11.1	15.1
Private hospital/clinic	2.9	3.9
Pharmacy	6.7	9.0
Private doctor	0.2	0.3
Mobile clinic	0.7	1.0
Outreach worker	0.6	0.8
Other private medical sector	0.0	0.1
<b>Any other source</b>	3.7	5.0
Shop	0.6	0.8
Traditional practitioner	1.1	1.5
Market	0.5	0.6
Other	1.6	2.1
Number of children	1,358	1,001

Table 12.11 Type of antimalarial drugs used

Among children under age five with fever in the two weeks preceding the survey who took any antimalarial medication, the percentage who took specific antimalarial drugs, by background characteristics, Model DHS 6 data

Background characteristic	Percentage of children who took drug:						Number of children with fever who took antimalarial drug
	Any ACT	Quinine	SP/Fansidar	Chloroquine	Artesunate	Other anti-malarial	
<b>Age (in months)</b>							
<12	67.4	1.2	8.2	11.1	12.2	9.6	109
12-23	79.0	1.1	5.4	11.1	4.7	1.1	169
24-35	80.1	0.5	7.7	9.0	6.2	1.4	129
36-47	78.3	1.0	3.1	12.3	6.0	0.9	122
48-59	73.4	4.7	3.6	11.0	6.6	1.3	94
<b>Sex</b>							
Male	78.0	2.0	5.8	11.0	4.6	2.0	318
Female	74.4	1.0	5.6	10.8	9.1	3.3	305
<b>Residence</b>							
Urban	72.4	1.1	9.4	13.9	5.9	4.1	215
Rural	78.2	1.7	3.7	9.3	7.4	1.8	408
<b>Region</b>							
Region 1	70.6	2.0	6.9	12.7	8.8	2.8	253
Region 2	87.1	1.8	6.2	0.0	3.7	1.8	116
Region 3	69.0	0.5	9.2	21.6	5.6	6.4	93
Region 4	81.4	1.0	1.3	9.7	6.7	0.7	160
<b>Mother's education</b>							
No education	78.0	1.7	6.0	8.8	6.1	1.6	400
Primary	73.2	1.8	2.6	22.5	11.9	2.4	92
Secondary or higher	73.0	0.7	6.9	9.0	5.5	5.9	131
<b>Wealth quintile</b>							
Lowest	80.4	2.0	5.9	6.6	5.0	2.5	139
Second	79.3	1.9	4.6	9.1	4.7	2.0	116
Middle	74.7	1.7	4.8	13.0	6.4	1.5	142
Fourth	69.5	0.7	5.0	10.3	14.8	2.5	134
Highest	78.0	1.1	9.1	17.2	1.4	5.7	92
Total	76.2	1.5	5.7	10.9	6.9	2.6	623

ACT = Artemisinin-based combination therapy

Table 12.12 Hemoglobin <8.0 g/dl in children

Percentage of children age 6-59 months with hemoglobin lower than 8.0 g/dl, by background characteristics, Model DHS 6 data

Background characteristic	Hemoglobin < 8.0 g/dl	Number of children
<b>Age (in months)</b>		
6-8	13.8	151
9-11	21.4	135
12-17	20.7	300
18-23	15.6	198
24-35	19.3	521
36-47	14.3	661
48-59	11.2	604
<b>Sex</b>		
Male	15.8	1,279
Female	15.8	1,290
<b>Mother's interview status</b>		
Interviewed	15.7	2,035
Not interviewed but in household	14.2	63
Not interviewed, and not in the household <sup>1</sup>	16.4	472
<b>Residence</b>		
Urban	11.3	821
Rural	17.9	1,748
<b>Region</b>		
Region 1	18.3	1,057
Region 2	9.2	556
Region 3	9.0	416
Region 4	22.8	540
<b>Mother's education<sup>2</sup></b>		
No education	17.2	1,452
Primary	14.5	259
Secondary or higher	10.5	386
<b>Wealth quintile</b>		
Lowest	17.0	589
Second	19.5	594
Middle	16.4	558
Fourth	13.6	511
Highest	8.8	318
Total	15.8	2,569

Note: Table is based on children who stayed in the household the night before the interview. Prevalence of anemia is based on hemoglobin levels. Hemoglobin is measured in grams per deciliter (g/dl).

<sup>1</sup> Includes children whose mothers are deceased

<sup>2</sup> For women who are not interviewed, information is taken from the Household Questionnaire. Excludes children whose mothers are not listed in the Household Questionnaire.

Table 12.13 Coverage of testing for anemia and malaria in children (unweighted)

Percentage of eligible children 6-59 months who were tested for anemia and for malaria by background characteristics, Model DHS 6 data

Background characteristic	Percentage tested for:			Number of children
	Anemia	Malaria with RDT	Malaria by microscopy	
<b>Age in months</b>				
6-8	86.0	92.7	94.9	178
9-11	89.8	95.5	94.9	157
12-17	91.4	94.5	95.4	326
18-23	93.0	96.0	97.0	201
24-35	92.1	95.3	95.8	621
36-47	93.7	94.0	95.3	698
48-59	93.1	95.3	96.4	685
<b>Sex</b>				
Male	92.4	94.9	95.6	1,425
Female	92.0	94.7	95.9	1,441
<b>Mother's interview status</b>				
Interviewed	93.7	95.2	96.1	2,223
Not interviewed but in household	71.4	92.3	93.4	91
Not interviewed, and not in the household <sup>1</sup>	89.9	93.5	94.7	552
<b>Residence</b>				
Urban	92.7	95.4	96.4	872
Rural	92.0	94.5	95.4	1,994
<b>Region</b>				
Region 1	95.6	95.4	96.2	1,205
Region 2	90.5	93.8	94.7	756
Region 3	90.6	96.4	97.6	329
Region 4	88.4	93.9	95.1	576
<b>Mother's education<sup>2</sup></b>				
No education	94.0	94.8	95.7	1,569
Primary	94.9	96.3	97.4	272
Secondary or higher	91.0	96.9	97.5	357
<b>Wealth quintile</b>				
Lowest	90.9	94.4	95.8	738
Second	93.5	93.6	94.4	674
Middle	91.9	95.3	96.1	615
Fourth	93.4	96.5	97.7	564
Highest	90.9	94.2	94.2	275
Total	92.2	94.8	95.7	2,866

RDT = Rapid Diagnostic Test

<sup>1</sup> Includes children whose mothers are deceased

<sup>2</sup> Excludes children whose mothers were not interviewed

Table 12.14 Prevalence of malaria in children

Percentage of eligible children 6-59 months classified in two tests as having malaria, by background characteristics, Model DHS 6 data

Background characteristic	Malaria prevalence according to RDT		Malaria prevalence according to microscopy	
	RDT positive	Number of children	Microscopy positive	Number of children
<b>Age in months</b>				
6-8	29.9	164	13.3	166
9-11	32.0	144	17.2	142
12-17	34.7	312	20.8	314
18-23	38.4	205	22.8	206
24-35	34.1	538	20.9	540
36-47	36.9	653	20.1	662
48-59	28.9	621	17.4	627
<b>Sex</b>				
Male	32.7	1,327	19.8	1,333
Female	34.5	1,309	18.9	1,325
<b>Mother's interview status</b>				
Interviewed	34.0	2,065	19.8	2,080
Not interviewed but in household	27.8	91	15.2	92
Not interviewed, and not in the household <sup>1</sup>	32.9	480	18.3	485
<b>Residence</b>				
Urban	22.4	865	8.6	871
Rural	39.0	1,771	24.6	1,787
<b>Region</b>				
Region 1	37.8	1,053	23.1	1,060
Region 2	34.5	572	21.6	577
Region 3	20.1	459	4.5	463
Region 4	35.9	552	22.1	557
<b>Mother's education<sup>2</sup></b>				
No education	35.2	1,410	21.5	1,422
Primary	34.0	261	19.0	264
Secondary or higher	28.5	364	15.0	364
<b>Wealth quintile</b>				
Lowest	42.5	603	25.9	610
Second	43.5	589	27.7	595
Middle	36.8	576	22.8	580
Fourth	20.1	527	9.7	532
Highest	16.0	341	2.1	340
Total	33.6	2,636	19.3	2,658

<sup>1</sup> Includes children whose mothers are deceased

<sup>2</sup> Excludes children whose mothers were not interviewed

Table 12.15 Malaria species

Among children age 6-59 months with malaria parasites, the percentage with specific species of *Plasmodium* and the percentage with mixed infections by background characteristics, Model DHS 6 data

Background characteristic	Species of <i>Plasmodium</i>					Number of children with malaria parasites
	<i>P. falciparum</i> <sup>1</sup>	<i>P. malariae</i> <sup>2</sup>	<i>P. ovale</i> <sup>3</sup>	<i>P. falciparum</i> + <i>P. ovale</i>	<i>P. falciparum</i> + <i>P. malariae</i>	
<b>Age in months</b>						
6-8	(100.0)	(0.0)	(0.0)	(0.0)	(0.0)	22
9-11	(94.0)	(6.0)	(0.0)	(0.0)	(0.0)	24
12-17	100.0	5.3	0.8	0.8	5.3	65
18-23	96.8	3.2	0.0	0.0	0.0	47
24-35	99.8	3.6	1.1	1.1	3.4	111
36-47	98.7	1.5	3.3	2.8	0.7	131
48-59	96.7	1.9	5.1	3.7	0.0	108
<b>Sex</b>						
Male	98.8	2.6	2.0	2.0	1.4	259
Female	97.9	3.1	2.5	1.7	1.9	249
<b>Mother's interview status</b>						
Interviewed	98.0	3.1	2.8	2.3	1.6	407
Not interviewed but in household	*	*	*	*	*	14
Not interviewed, and not in the household <sup>4</sup>	99.6	2.1	0.3	0.3	1.7	87
<b>Residence</b>						
Urban	98.7	3.9	6.8	6.8	2.6	74
Rural	98.3	2.7	1.5	1.0	1.4	434
<b>Region</b>						
Region 1	99.0	1.9	1.4	1.4	0.9	243
Region 2	97.7	3.7	3.7	2.0	3.2	122
Region 3	(98.0)	(4.0)	(17.2)	(17.2)	(2.0)	21
Region 4	97.8	3.6	0.0	0.0	1.3	122
<b>Mother's education<sup>5</sup></b>						
No education	99.0	2.6	1.8	1.8	1.6	302
Primary	91.3	7.9	5.4	1.1	3.4	50
Secondary or higher	98.6	1.4	5.8	5.8	0.0	54
<b>Wealth quintile</b>						
Lowest	98.0	3.9	0.0	0.0	1.8	154
Second	98.2	2.3	1.3	0.0	1.8	164
Middle	99.7	1.8	3.3	3.3	1.4	132
Fourth	96.3	4.5	9.8	9.8	0.8	51
Highest	*	*	*	*	*	7
Total	98.3	2.8	2.3	1.9	1.6	508

Note: Table columns are not mutually exclusive; percentages will not add to 100%. Figures in parentheses are based on 25-49 unweighted cases. An asterisk indicates that a figure is based on fewer than 25 unweighted cases and has been suppressed.

<sup>1</sup> Includes cases with parasites identified as *P. falciparum* or *P. falciparum* combined with other species.

<sup>2</sup> Includes cases with parasites identified as *P. malariae* or *P. malariae* combined with other species.

<sup>3</sup> Includes cases with parasites identified as *P. ovale* or *P. ovale* combined with other species.

<sup>4</sup> Include children whose mothers are deceased.

<sup>5</sup> Excludes children whose mothers were not interviewed.