



APPENDIX 2

Malarial Case Notification and Coverage with Key Interventions (Courtesy of RBM Department of WHO)

Source: RBM Global Malaria Database: accessed February 7, 2005. Available online at: http://www.who.int/globalatlas/autologin/malaria_login.asp

Notes on Available Information

Reported epidemiological burden of malaria. This burden includes the annual malaria cases and deaths notified in Health Information Systems (HIS), recorded separately for laboratory-confirmed, clinically diagnosed, and imported cases as far as data were reported to WHO. Also, the total number of slides and rapid diagnostic tests taken (of which a part would have resulted in a confirmed case) are presented, if countries recorded and reported this information. Malaria case and death notifications are presented for all countries thought to have malaria transmission and that reported at least one case of malaria to WHO that was not reported to have been imported from outside the country.

Malaria cases clinically diagnosed denotes, for countries with very little or no reported laboratory confirmation of malaria cases, such as in most of Sub-Saharan Africa, clinically diagnosed malaria cases. For countries with routine laboratory confirmation of malaria diagnosis, this denotes probable or suspected malaria cases, and in the case of Pakistan, all patients with fever. For countries in the Pacific and selected countries in eastern Asia, clinically diagnosed cases denotes the number of suspected malaria cases minus the number of patients tested for malaria. These

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probable cases do not include suspected malaria patients who test negative during laboratory confirmation.

Probable or clinically diagnosed severe cases denotes, for areas reporting only clinically diagnosed cases, clinically diagnosed patients requiring hospitalization for signs or symptoms of severe malaria and receiving antimalarial treatment.

Probable or clinically diagnosed deaths denotes, for areas reporting only clinically diagnosed malaria cases, deaths among patients diagnosed with probable severe malaria.

Parasitologically confirmed cases denotes, for areas performing laboratory confirmation of malaria diagnosis, all patients with signs or symptoms of malaria and laboratory-confirmed diagnosis who received antimalarial treatment.

Plasmodium falciparum or *mixed* denotes those cases laboratory-diagnosed as due to infection with *Plasmodium falciparum* or a mix of *Plasmodia* species including *falciparum*.

Plasmodium vivax denotes those cases laboratory-diagnosed as due to infection with *Plasmodium vivax*.

Parasitologically confirmed severe cases denotes, among laboratory-diagnosed cases, the number requiring hospitalization for signs or symptoms of severe malaria and receiving antimalarial treatment.

Parasitologically confirmed deaths denotes deaths among patients with a laboratory-confirmed diagnosis of severe malaria.

Imported cases denotes malaria cases where the infection was acquired outside the country in which it was diagnosed, implying that the origin could be traced to a known malarious area.

The *case notification rate* is a standardized rate, per 1,000 persons per year, calculated against national population sizes in each calendar year as estimated by the UN Population Division. Standardized rates are derived from the rate of reported case notifications, based on an appreciation of what proportion of cases are laboratory confirmed. For countries where none of the reported cases were confirmed (as in most of Sub-Saharan Africa), the rate was based on probable/clinically diagnosed cases. For

countries where all cases are laboratory confirmed, the rate was based on parasitologically confirmed cases minus imported cases. For the few countries where some cases were laboratory confirmed (“Some” in column 5, for Somalia, Sudan, Afghanistan, and Yemen), the standardized rate was based on the sum of the mutually exclusive reported categories “Probable/clinically diagnosed” and “Parasitologically confirmed.”

Source of data: WHO annual reporting forms, country presentations, reports, and publications.

Estimated coverage of the key RBM interventions according to the core indicators recommended by the RBM Monitoring & Evaluation Reference Group. These indicators include:¹⁹

- The percentage of households possessing at least one mosquito net, and possessing at least one ITN
- The percentage of children under five years old and of pregnant women who slept under a net or an ITN during the night before a survey
- The percentage (for African countries) of febrile children under five years old who received treatment with any antimalarial, with chloroquine, and with SP.

Each outcome is reported as the national estimate, where applicable and available, disaggregated by the background characteristics urban/rural and male/female.

The treatment with antimalarials of febrile children is reported only for African countries, because outside Africa malaria makes up only a very small proportion of fevers reported in surveys. Africa-centered reporting possibly results in a misleadingly low coverage of antimalarial treatment; results may also be misleading because children under five are the only group considered in this evaluation of the coverage of antimalarial treatment. Also, for African countries only, the period prevalence of fevers for children under five in the two weeks preceding a survey is reported as an indicator of the burden of malaria on African health systems.

Source of data: Reports from household surveys, including DHS and Multiple Indicator Cluster Surveys (MICS) or cluster-sampled subnational surveys. Only surveys with appropriate documentation of dates of field work, sampling design, and sample sizes were included.

Data Table 1: Malarial Case Notification: Malaria Notifications for the Most Recent Year Information Received**AFRICA**

COUNTRY	STANDARDIZED MALARIA NOTIFICATIONS						PROBABLE/CLINICALLY DIAGNOSED			
	YEAR	POPULATION (THOUSANDS)	CASES	RATE PER 1,000	CONFIRMED STATUS	DEATHS	SLIDES/RDTs	CASES	SEVERE	DEATHS
	1	2	3	4	5	6	7	8	9	10
Central Africa										
Cameroon	1998	14,458	664,413	45.96	NR			664,413		
CAR	2003	3,865	95,644	24.75	NR					
Chad	2001	8,103	386,197	47.66	NR	1,001		386,197	19,463	
Congo, Rep. of	1998	3,244	17,122	5.28	NR			17,122		
Congo, Dem. Rep. of	2003	52,771	4,386,638	83.13	NR	16,498		4,386,638		16,498
Equatorial Guinea	1995	401	12,530	31.25	NR			12,530		
Gabon	1998	1,202	80,247	66.78	NR			80,247		
Sao Tome and Principe	2003	161	63,199	393.53	NR			63,199		
East Africa										
Burundi	2002	6,602	1,808,588	273.96	NR	330		1,808,588		330
Comoros	2001	726	3,718	5.12	NR	16		3,718	820	16
Djibouti	2003	703	5,036	7.17	All					
Eritrea	2003	4,141	72,023	17.39	NR	78		72,023		78
Ethiopia	2003	70,678	565,273	8.00	All		1,210,868			
Kenya	2002	31,540	124,197	3.94	NR	135	12,491	124,197	9,584	135
Rwanda	2003	8,387	856,233	102.09	Some			856,233	94,990	1,045
Somalia	2003	9,890	23,349	2.36	Some	10	12,578	15,778		44
Sudan	2003	33,610	3,084,320	91.77	Some	2,479		1,998,367	105,813	2,479
Uganda	2003	25,827	12,343,411	477.93	NR	8,450		12,343,411		8,450
UR Tanzania	2003	36,977	10,712,526	289.71	Some	14,156	3,116,332	10,712,526	521,019	14,156
Northern Africa										
Algeria	2002	31,266	52	<0.01	All	0				
Egypt	2003	71,931	0	<0.01	All	0	1,041,767			
Morocco	2003	30,566	4	<0.01	All		405,800			

Notes:

Please refer to explanatory notes for regional tabulations.

NR = None Reported

RDTs = Rapid Diagnostic Tests

Pf/mixed = the number of reported *Plasmodium falciparum* or mixed casesPv = the number of reported *Plasmodium vivax* cases

Malarial Case Notification and Coverage with Key Interventions

NOTIFIED MALARIA CASES AND DEATHS DESCRIPTION								
	LABORATORY CONFIRMED						INVESTIGATIONS	
	CASES	PF/MIXED	(%)	PV	SEVERE	DEATHS	IMPORTED	(%)
	11	12	13	14	15	16	17	18
	5,036							
	565,273	395,964	70.0	158,115				
	411,069							
	7,571	7,571	100.0			10		
	1,085,853							
	1,509,236							
	307	188	61.2	116		0	255	83.1
	45	44	97.8	1			45	100.0
	73	62	84.9				69	94.5

Data Table 1, continued

AFRICA, continued

COUNTRY	STANDARDIZED MALARIA NOTIFICATIONS						PROBABLE/CLINICALLY DIAGNOSED				
	YEAR	POPULATION (THOUSANDS)	CASES	RATE PER 1,000	CONFIRMED STATUS	DEATHS	SLIDES/RDTS	CASES	SEVERE	DEATHS	
	1	2	3	4	5	6	7	8	9	10	
Southern Africa											
Angola	2002	13,184	1,409,328	106.90	NR	11,344		1,409,328		11,344	
Botswana	2003	1,785	22,418	12.56	Some	10		22,418			
Madagascar	2003	17,404	2,114,400	121.49	NR	759		2,114,400	10,359	759	
Malawi	2002	11,871	2,853,317	240.36	NR	6,993		4,216,059	157,862	9,579	
Mauritius	2002	1,210	22	0.02	NR	22					
Mozambique	2003	18,863	5,087,865	269.72	NR	3,569		5,087,865	3,569		
Namibia	2003	1,987	444,081	223.44	NR	1,095		444,081	20,968	1,095	
South Africa	2003	45,026	13,446	0.30	NR	141		13,446	141		
Swaziland	2003	1,077	36,664	34.03	NR	36,664		977			
Zambia	2001	10,570	2,010,185	190.18	NR	5,763		2,010,185	162,709	5,763	
Zimbabwe	2002	12,835	1,252,668	97.60	NR	626		599,416	626		
Western Africa											
Benin	2001	6,387	779,041	121.98	NR	670		779,041	32,008	670	
Burkina Faso	2002	12,624	1,451,125	114.95	NR	4,417		1,451,125	73,017	4,417	
Cape Verde	2000	436	143	0.33	NR	143					
Côte d'Ivoire	2001	16,098	400,402	24.87	NR	422		400,402	40,375	422	
Gambia, The	1999	1,273	127,899	100.47	NR	127,899					
Ghana	2003	20,922	3,552,869	169.81	Some	3,245		3,552,869	478,960	3,245	
Guinea	2000	8,117	889,089	109.53	NR	441		889,089	14,933	441	
Guinea-Bissau	2002	1,449	194,976	134.57	NR	780		194,976	66,703	780	
Liberia	1998	2,580	777,754	301.51	NR	777,754					
Mali	2003	13,007	809,428	62.23	NR	1,309		809,428	1,309		
Mauritania	2002	2,807	167,423	59.64	NR	100		167,423	7,312	100	
Niger	2002	11,544	681,707	59.05	NR	1,096		681,707	4,777	1,096	
Nigeria	2003	124,009	2,608,479	21.03	NR	5,343		2,608,479	5,343		
Senegal	2000	9,393	1,120,094	119.25	NR	1,337		1,120,094	36,860	1,337	
Sierra Leone	1999	4,294	409,670	95.41	NR	409,670					
Togo	2001	4,686	431,826	92.15	NR	791		431,826	12,904	791	

Notes:

Please refer to explanatory notes for regional tabulations.

NR = None Reported

RDts = Rapid Diagnostic Tests

Pf/mixed = the number of reported *Plasmodium falciparum* or mixed casesPv = the number of reported *Plasmodium vivax* cases

Malarial Case Notification and Coverage with Key Interventions

NOTIFIED MALARIA CASES AND DEATHS DESCRIPTION								
	LABORATORY CONFIRMED						INVESTIGATIONS	
	CASES	PF/MIXED	(%)	PV	SEVERE	DEATHS	IMPORTED	(%)
	11	12	13	14	15	16	17	18
	1,811							
	478,960							

Data Table 1, continued

ASIA

	STANDARDIZED MALARIA NOTIFICATIONS						PROBABLE/CLINICALLY DIAGNOSED			
	YEAR	POPULATION (THOUSANDS)	CASES	RATE PER 1,000	CONFIRMED STATUS	DEATHS	SLIDES/RDTS	CASES	SEVERE	DEATHS
COUNTRY	1	2	3	4	5	6	7	8	9	10
Central Asia & Trans-Caucasus										
Armenia	2003	3,061	8	<0.01	All	0				
Azerbaijan	2003	8,370	480	0.06	All	0				
Georgia	2003	5,126	308	0.06	All	0				
Kyrgyzstan	2003	5,138	465	0.09	All	0				
Tajikistan	2003	6,245	5,428	0.87	All	0				
Turkmenistan	2002	4,794	15	<0.01	All	0				
Uzbekistan	2003	26,093	33	<0.01	All	0				
Eastern Mediterranean										
Afghanistan	2003	23,897	591,441	24.75	Some			224,662		
Iran	2003	68,920	17,060	0.25	All	1,358,262	0			
Iraq	2003	25,175	303	0.01	All		0	581,938	0	0
Oman	2003	2,851	6	<0.01	All					
Pakistan	2003	153,578	122,560	0.80	All	29	4,145,290	3,985,915		29
Saudi Arabia	2003	24,217	596	0.02	All	0	819,869			
Syrian Arab Republic	2003	17,800	2	<0.01	All					
Turkey	2003	71,325	9,182	0.13	All	0				
United Arab Emirates	2003	2,995	0	<0.01	All		42,601			
Yemen	2003	20,010	265,023	13.24	Some	29	414,919	214,212		
South-East Asia										
Bangladesh	2003	146,736	56,879	0.39	All	574	434,723	434,723		1,250
Bhutan	2003	2,257	3,806	1.69	All	15	61,246	237		
Korea, DPR	2003	22,664	16,538	0.73	All	0	32,083	46,251	0	0
India	2003	1,065,462	1,781,336	1.67	All	990	98,154,977			
Indonesia	2002	217,131	220,073	1.01	All	197	1,298,194	1,355,714		
Myanmar	2003	49,485	716,100	14.47	Some	2,476	849,517	539,929		
Nepal	2003	25,164	9,394	0.37	All	3	195,376	56,640		
Sri Lanka	2003	19,065	10,510	0.55	All	2	1,192,259			
Thailand	2003	62,833	35,076	0.56	All	325	3,259,607			
Timor Leste	2003	778	31,819	40.89	All	8	50,815	100,000		100

Notes:

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Malarial Case Notification and Coverage with Key Interventions

NOTIFIED MALARIA CASES AND DEATHS DESCRIPTION								
	LABORATORY CONFIRMED						INVESTIGATIONS	
	CASES	PF/MIXED	(%)	PV	SEVERE	DEATHS	IMPORTED	(%)
	11	12	13	14	15	16	17	18
	29	4	13.8			0	21	72.4
	482	0	0.0			0	2	0.4
	316	2	0.6			0	8	2.5
	468	1	0.2			0	3	0.6
	5,428	250	4.6			0	0	0.0
	18	0	0.0			0	3	16.7
	74	0	0.0			0	41	55.4
	366,779	44,243	12.1	322,536				
	23,562	4,475	19.0	18,818	131		6,502	27.6
	307	0	0.0	307	0	0	4	1.3
	740	299	40.4				734	99.2
	125,152	39,944	31.9	85,240		14	2,592	2.1
	1,724	1,234	71.6	462		0	1,128	65.4
	24	13	54.2	10			22	91.7
	9,222	12	0.1			0	40	0.4
	1,796	405	22.6				1,796	100.0
	50,811	48,741	95.9			29		
	56,879	42,012	73.9	14,867	10,332	574		
	3,806	1,681	44.2	2,126	1,621	15		
	16,538	0	0.0	16,538	0	0		
	1,781,336	845,173	47.4	936,163		990		
	220,073	71,202	32.4	148,871		197		
	176,171	139,315	79.1	74,833	12,962	2,476		
	9,394	1,218	13.0	8,177		3		
	10,510	1,273	12.1	9,237		2		
	37,355	19,024	50.9	18,295		325	2,279	6.1
	31,819	17,370	54.6	14,449	409	8		

Data Table 1, *continued***ASIA, *continued***

	STANDARDIZED MALARIA NOTIFICATIONS						PROBABLE/CLINICALLY DIAGNOSED				
	YEAR	POPULATION (THOUSANDS)	CASES	RATE PER 1,000	CONFIRMED STATUS	DEATHS	SLIDES/RDTS	CASES	SEVERE	DEATHS	
COUNTRY	1	2	3	4	5	6	7	8	9	10	
Western Pacific											
Cambodia	2003	14,144	71,258	5.04	All	492	160,326		4,936		
China	2002	1,294,867	25,520	0.02	All	42					
Lao PDR	2003	5,657	18,894	3.34	All	187	256,534				
Malaysia	2003	24,425	5,477	0.22	All	21					
Papua New Guinea	2003	5,711	70,226	12.30	All	537		1,729,697	17,590	537	
Philippines	2003	79,999	43,644	0.55	All						
Korea, Rep. of	2003	47,700	1,107	0.02	All	0					
Solomon Islands	2003	477	90,606	189.94	All	71	297,897			71	
Vanuatu	2003	212	15,240	71.90	All	0					
Vietnam	2003	81,377	37,416	0.46	All	50	2,738,600	12,694	423	4	

Notes:

Please refer to explanatory notes for regional tabulations.

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RDts = Rapid Diagnostic Tests

Pf/mixed = the number of reported *Plasmodium falciparum* or mixed casesPv = the number of reported *Plasmodium vivax* cases

Malarial Case Notification and Coverage with Key Interventions

NOTIFIED MALARIA CASES AND DEATHS DESCRIPTION								
	LABORATORY CONFIRMED						INVESTIGATIONS	
	CASES	PF/MIXED	(%)	PV	SEVERE	DEATHS	IMPORTED	(%)
	11	12	13	14	15	16	17	18
	71,258	63,739	89.4			492		
	25,520	5,937	23.3			42		
	18,894	17,878	94.6	1,016		187		
	6,338	2,884	45.5	3,127	421	21	861	13.6
	70,226	55,638	79.2					
	43,644							
	1,107	0	0.0	1,107	0	0		
	90,606	64,302	71.0	26,304				
	15,240	8,406	55.2			0		
	37,416	29,435	78.7			46		

Data Table 1, *continued*

THE AMERICAS

	STANDARDIZED MALARIA NOTIFICATIONS						PROBABLE/CLINICALLY DIAGNOSED			
	YEAR	POPULATION (THOUSANDS)	CASES	RATE PER 1,000	CONFIRMED STATUS	DEATHS	SLIDES/RDTS	CASES	SEVERE	DEATHS
COUNTRY	1	2	3	4	5	6	7	8	9	10
Central America & Caribbean										
Belize	2002	251	928	3.70	All	0	15,480			
Costa Rica	2003	4,173	718	0.17	All	0	9,622			
Dominican Republic	2003	8,745	1,296	0.15	All	16	391,216			
El Salvador	2003	6,515	85	0.01	All		102,053			
Guatemala	2003	12,347	31,127	2.52	All	0	156,227			
Haiti	2003	8,326	9,837	1.18	All	16	51,067			
Honduras	2003	6,941	10,122	1.46	All	0	90,575			
Mexico	2003	103,457	4,289	0.04	All	0	1,577,647			
Nicaragua	2003	5,466	6,812	1.25	All	0	449,839			
Panama	2003	3,120	13,365	4.28	All	3	333,622			
South America										
Argentina	2003	38,428	122	0.00	All	0	3,977			
Bolivia	2003	8,808	20,343	2.31	All	2	158,299			
Brazil	2003	178,470	379,551	2.13	All	30	1,474,656			
Colombia	2003	44,222	164,722	3.72	All	24	520,980			
Ecuador	2003	13,003	52,065	4.00	All	0	433,244			
French Guiana	2003	178	3,823	21.49	All	0	46,548			
Guyana	2003	765	27,627	36.09	All		185,877			
Paraguay	2003	5,878	1,392	0.24	All	0	126,582			
Peru	2003	27,167	143,686	5.29	All	34	1,426,410			
Suriname	2003	436	14,657	33.65	All		70,670			
Venezuela	2003	25,699	31,719	1.23	All		346,586			

Notes:

Please refer to explanatory notes for regional tabulations.

NR = None Reported

RDTS = Rapid Diagnostic Tests

Pf/mixed = the number of reported *Plasmodium falciparum* or mixed casesPv = the number of reported *Plasmodium vivax* cases

Malarial Case Notification and Coverage with Key Interventions

NOTIFIED MALARIA CASES AND DEATHS DESCRIPTION								
	LABORATORY CONFIRMED						INVESTIGATIONS	
	CASES	PF/MIXED	(%)	PV	SEVERE	DEATHS	IMPORTED	(%)
	11	12	13	14	15	16	17	18
	928	0	0.0	928		0		
	718	14	1.9	704		0		
	1,296	1,034	79.8	4		16		
	85	2	2.4	83				
	31,127	1,310	4.2	29,817	5	0		
	9,837	9,837	100.0	0		16		
	10,122	323	3.2	9,799		0		
	4,289	17	0.4	4,272		0		
	6,812	1,245	18.3	5,567		0		
	13,365	627	4.7	3,873		3		
	122	0	0.0	122		0		
	20,343	793	3.9	17,319		2		
	379,551	81,343	21.4	297,962	10,719	30		
	164,722	69,238	42.0	95,484		24		
	52,065	10,724	20.6	41,341		0		
	3,823	3,166	82.8	657		0		
	27,627	12,970	46.9	14,654				
	1,392	3	0.2	1,389		0		
	143,686	30,045	20.9	113,538		34		
	14,657	13,043	89.0	1,614				
	31,719	5,562	17.5	26,111				

Data Table 2: Malarial Case Notification: Standardized Malaria Notifications and Notification Rates per 1,000, since 1990**AFRICA**

	1990	1991	1992	1993	1994	1995	1996	1997	
Central Africa									
Cameroon	869,048 74.5	787,796 65.6	664,413 53.8	478,693 37.7	189,066 14.5	784,321 58.5	931,311 67.7	787,796 55.8	
CAR	174,436 59.3	125,038 41.4	89,930 29.0	82,072 25.8	82,057 25.1	100,962 30.1	95,259 27.7	99,718 28.4	
Chad	212,554 36.5	246,410 41.1	229,444 37.2	234,869 37.0	278,225 42.6	293,564 43.6	278,048 40.1	343,186 47.9	
Congo, Rep. of	32,428 13.0	32,391 12.6	21,121 7.9	15,504 5.6	35,957 12.7	28,008 9.5	14,000 4.6	9,491 3.0	
Congo, Dem Rep. of							198,064 4.4		
Equatorial Guinea	25,552 72.3	22,598 62.5	25,100 67.7	17,867 46.9	14,827 37.9	12,530 31.3			
Gabon	57,450 60.3	80,247 81.6	100,629 99.2	70,928 67.8	82,245 76.3	54,849 49.4	74,310 65.2	57,450 49.0	
São Tomé and Príncipe						51,938 396.3	47,074 350.1	47,757 346.2	
East Africa									
Burundi	92,870 16.6	568,938 99.4	773,539 132.9	828,429 140.4	831,481 139.3	932,794 154.9	974,226 160.8	670,857 110.3	
Comoros				12,012 20.9	13,860 23.4	15,707 25.8	15,509 24.7		
Djibouti	3,237 6.1	7,338 13.5	7,468 13.6	4,166 7.5	6,140 11.0	5,982 10.5	6,105 10.5	4,314 7.1	
Eritrea						81,183 25.3	129,908 39.7		
Ethiopia			206,262 4.0	305,616 5.7	358,469 6.4	412,609 7.2	478,411 8.1	509,804 8.4	
Kenya					6,103,447 228.9	4,343,190 158.6	3,777,022 134.5		
Rwanda	1,282,012 189.2	1,331,494 204.7	1,373,247 226.7	733,203 131.7	371,550 71.2	1,391,931 271.0	1,145,759 213.0	1,331,494 226.0	
Somalia				3,049 0.4					
Sudan	7,508,704 301.2	6,947,787 272.5	9,326,944 357.3	9,867,778 368.9	8,562,205 312.3	6,347,143 226.1	4,595,092 159.9	4,065,460 138.3	
Uganda			2,446,659 132.1	1,470,662 77.0	2,191,277 111.3	1,431,068 70.6		2,317,840 107.9	
Tanzania	10,715,736 411.1	8,715,736 322.9	7,681,524 274.7	8,777,340 303.2	7,976,590 266.6	2,438,040 79.0	4,969,273 156.6	1,131,655 34.8	

Malarial Case Notification and Coverage with Key Interventions

	1998	1999	2000	2001	2002	2003
	664,413					
	46.0					
	105,664	127,964	89,614	140,742		95,644
	29.5	35.0	24.1	37.3		24.7
	395,205	392,815	369,263	386,197		
	53.5	51.5	47.0	47.7		
	17,122					
	5.3					
	141,353	1,508,042	964,623	2,199,247	2,640,168	4,386,638
	3.0	31.7	19.9	44.2	51.6	83.1
	80,247					
	66.8					
	46,026	37,026	43,488	55,630	66,619	63,199
	325.1	254.9	291.9	364.1	425.2	393.5
	687,301	1,936,584	3,057,239	2,855,868	1,808,588	
	112.4	313.9	487.9	445.4	274.0	
	3,844	9,793	9,618	3,718		
	5.8	14.3	13.6	5.1		
	5,920	6,140	4,667	4,312	5,021	5,036
	9.5	9.5	7.0	6.3	7.2	7.2
	255,150	147,062	119,155	125,746	75,386	72,023
	73.6	41.0	32.1	32.7	18.9	17.4
	604,960	647,919	383,382	400,371	427,831	565,273
	9.7	10.1	5.8	6.0	6.2	8.0
	80,718	122,792	74,194	132,590	124,197	
	2.7	4.1	2.4	4.3	3.9	
	1,279,581	906,552	915,916			856,233
	195.1	125.7	118.6			102.1
		9,055	10,364	10,364	96,922	23,349
		1.1	1.2	1.1	10.2	2.4
	5,062,000	4,215,308	4,332,827	3,985,702	3,056,400	3,084,320
	168.4	137.1	137.8	124.0	93.0	91.8
	2,845,811	3,070,800	3,552,859	5,622,934	7,216,411	12,343,411
	128.6	134.8	151.3	232.1	288.6	477.9
	30,504,654	423,967			7,489,890	10,712,526
	915.1	12.4			206.5	289.7

Data Table 2, *continued***AFRICA, *continued***

	1990	1991	1992	1993	1994	1995	1996	1997	
Northern Africa									
Algeria	152 <0.1	229 <0.1	106 <0.1	84 <0.1	206 <0.1	107 <0.1	221 <0.1	197 <0.1	
Egypt	75 <0.1	24 <0.1	16 <0.1	17 <0.1	495 <0.1	313 <0.1	23 <0.1	4 <0.1	
Morocco	837 <0.1	494 <0.1	405 <0.1	198 <0.1	158 <0.1	166 <0.1	53 <0.1	76 <0.1	
Southern Africa									
Angola	243,673 26.1	1,143,701 119.0	782,988 79.0	722,981 70.6	667,376 63.2	156,603 14.4		893,232 78.0	
Botswana	10,750 7.9	14,364 10.3	4,995 3.5	55,331 37.6	29,591 19.6	17,599 11.4	80,004 50.4	101,887 62.6	
Madagascar						196,358 14.2			
Malawi	3,870,904 409.3		7,590,313 774.8	4,686,201 475.5	4,736,974 477.4	6,164,666 613.6	6,183,290 603.5	2,761,269 263.0	
Mauritius	54 0.1	48 <0.1	66 0.1	54 <0.1	65 0.1	46 <0.1	82 0.1	65 0.1	
Mozambique							12,794 0.8		
Namibia				380,530 245.2	401,519 251.3	275,442 167.3	345,177 203.4	390,601 223.2	
South Africa	6,822 0.2	4,693 0.1	2,872 0.1	13,285 0.3	10,289 0.3	8,750 0.2	27,035 0.6	23,121 0.5	
Swaziland						13,749 14.6	38,875 40.5	23,754 24.2	
Zambia	1,933,696 235.8	2,340,994 277.5	2,953,692 340.6	3,514,000 394.5	3,514,000 384.5	2,742,118 292.6	3,215,866 335.0		
Zimbabwe	662,613 63.3	581,168 54.0	420,137 38.1	877,734 77.9	324,188 28.2	761,791 64.9	1,696,192 142.0	1,849,383 152.2	

Malarial Case Notification and Coverage with Key Interventions

	1998	1999	2000	2001	2002	2003
	256	701	63	53	52	
	<0.1	<0.1	<0.1	<0.1	<0.1	
	0	0	0	0	0	0
	0	0	0	0	0	0
	68	17	3	0	20	4
	<0.1	<0.1	<0.1	0	<0.1	<0.1
	1,169,028	1,471,993	1,635,884	1,385,597	1,409,328	
	99.6	122.2	132.1	108.5	106.9	
	59,696	72,640	71,403	48,237	28,858	22,418
	35.9	42.8	41.4	27.6	16.3	12.6
		1,141,474	1,383,239	1,429,491	1,543,130	2,114,400
		73.6	86.6	87.0	91.2	121.5
	2,985,659	4,193,145	3,774,982	2,955,627	2,853,317	
	276.6	378.1	332.0	254.2	240.4	
	0	0	0	0	22	
	0	0	0	0	<0.1	
	194,024	2,336,640	3,278,525	3,978,397	4,458,589	5,087,865
	11.3	133.4	183.6	218.6	240.5	269.7
	353,110	429,571	519,113	537,115	442,527	444,081
	196.0	232.1	274.2	278.3	225.6	223.4
	26,445	51,444	64,622	26,506	15,649	13,446
	0.6	1.2	1.5	0.6	0.3	0.3
	4,410	30,420	45,581	19,799	14,863	36,664
	4.4	29.6	43.6	18.7	13.9	34.0
	3,399,630	2,992,203	1,139,489	2,010,185		
	338.5	292.1	109.4	190.2		
	1,719,960	1,804,479	1,533,960	1,609,296	1,252,668	
	139.3	144.2	121.3	126.2	97.6	

Data Table 2, *continued***AFRICA, *continued***

	1990	1991	1992	1993	1994	1995	1996	1997	
Western Africa									
Benin	92,870 20.0	118,796 24.7	290,868 58.5	403,327 78.5	546,827 103.0	579,300 105.9	623,396 110.9	670,857 116.2	
Burkina Faso	496,513 55.7	448,917 48.9	420,186 44.5	502,275 51.6	472,355 47.2	501,020 48.6	582,658 54.9	672,752 61.6	
Cape Verde	69 0.2	80 0.2	38 0.1	44 0.1	21 0.1	127 0.3	77 0.2	20 <0.1	
Côte d'Ivoire	511,916 40.9	466,895 36.2	553,875 41.7	421,043 30.8		755,812 52.6	1,109,011 75.5	983,089 65.6	
Gambia, The	222,538 237.7	215,414 221.9	188,035 187.0		299,824 278.3	135,909 121.9	266,189 230.8	325,555 272.9	
Ghana	1,438,713 94.2	1,372,771 87.4	1,446,947 89.5	1,697,109 102.1	1,672,709 98.0	1,928,316 110.1	2,189,860 122.1	2,227,762 121.4	
Guinea	21,762 3.6	17,718 2.8			607,560 85.6	600,317 82.0	772,731 102.8	802,210 104.3	
Guinea-Bissau	81,835 80.5	64,123 61.2	56,073 51.8	158,748 142.0		197,386 165.9	6,457 5.3	10,632 8.4	
Liberia				430,085 209.1	534,559 258.2	362,774 170.4	239,998 107.2	826,151 344.9	
Mali	248,904 27.5	282,256 30.4	280,562 29.4	295,737 30.2	263,100 26.1	95,357 9.2	29,818 2.8	384,907 35.2	
Mauritania	26,903 13.3	42,112 20.3	45,687 21.4	43,892 20.1	156,080 69.7	214,478 93.3	181,204 76.7	189,571 78.1	
Niger	1,162,824 152.0	808,968 102.3	865,976 106.0	726,666 86.0	806,204 92.3	778,175 86.1	1,162,824 124.4	978,855 101.2	
Nigeria	1,116,992 13.0	909,656 10.3	1,219,348 13.4	981,943 10.4	1,175,004 12.1	1,133,926 11.4	1,149,435 11.2	1,148,542 10.9	
Senegal					450,071 55.3	628,773 75.4		861,276 98.5	
Sierra Leone				9,636 2.4	16,851 4.1	5,865 1.4	7,192 1.8	209,312 50.5	
Togo	810,509 234.6	780,825 220.9	634,166 175.7	561,328 152.4	328,488 87.2	297,326 76.9	352,334 88.3	366,672 88.8	

Malarial Case Notification and Coverage with Key Interventions

	1998	1999	2000	2001	2002	2003
	650,025	709,348	707,408	779,041		
	109.9	116.9	113.7	122.0		
	721,480	867,866	1,032,886	1,203,640	1,451,125	
	64.2	75.1	86.8	98.2	114.9	
	41	29	143			
	0.1	0.1	0.3			
			1,491,943	400,402		
			94.3	24.9		
		127,899				
		100.5				
	1,745,214	2,895,079	3,349,528	3,383,025	2,830,784	3,552,869
	93.0	151.0	171.0	168.9	138.3	169.8
	817,949	807,895	889,089			
	104.3	101.2	109.5			
	2,113	197,454	246,316	202,379	194,976	
	1.6	148.6	180.2	143.9	134.6	
	777,754					
	301.5					
	12,234	530,197	546,634	612,895	723,077	809,428
	1.1	45.8	45.9	50.0	57.3	62.2
	168,131	253,513	259,093	243,942	167,423	
	67.3	98.7	98.0	89.5	59.6	
	872,925	815,895	646,757	606,802	681,707	
	87.2	78.7	60.2	54.5	59.1	
	2,122,663	1,965,486	2,476,608	2,253,519	2,605,381	2,608,479
	19.5	17.6	21.6	19.1	21.5	21.0
	948,823	1,145,112	1,120,094			
	105.9	124.9	119.3			
	249,744	409,670				
	59.4	95.4				
	368,472	412,619	398,103	431,826		
	86.1	93.3	87.3	92.1		

Data Table 2, *continued***ASIA**

	1990	1991	1992	1993	1994	1995	1996	1997	
Central Asia & Trans-Caucasus									
Armenia	0	0	0	0	1	0	149	567	
	0	0	0	0	<0.1	0	<0.1	0.2	
Azerbaijan	24	113	27	23	667	2,840	13,135	9,911	
	<0.1	<0.1	<0.1	<0.1	0.1	0.4	1.7	1.2	
Georgia	0	0	0	0	0	0	3	0	
	0	0	0	0	0	0	<0.1	0	
Kyrgyzstan	0	0	0	0	0	0	1	0	
	0	0	0	0	0	0	<0.1	0	
Tajikistan	175	294	404	619	2,411	6,103	16,561	29,794	
	<0.1	0.1	0.1	0.1	0.4	1.1	2.8	5.1	
Turkmenistan	0	13	5	1	1	0	3	4	
	0	<0.1	<0.1	<0.1	<0.1	0	<0.1	<0.1	
Uzbekistan	3	1	0	0	0	0	0	0	
	<0.1	<0.1	0	0	0	0	0	0	
Eastern Mediterranean									
Afghanistan	317,479	297,605			88,302		303,955	202,767	
	23.0	20.3			4.8		15.3	10.0	
Iran	77,470	96,340	76,971	64,581	51,089	67,532	56,362	38,684	
	1.4	1.7	1.3	1.1	0.8	1.1	0.9	0.6	
Iraq	3,924	1,764	5,752	49,863	98,243	98,705	49,840	13,959	
	0.2	0.1	0.3	2.6	5.0	4.9	2.4	0.7	
Oman	32,720	19,274	14,827	16,873	7,083	1,164	603	129	
	17.7	10.0	7.4	8.1	3.3	0.5	0.3	0.1	
Pakistan	79,689	66,586	99,015	92,634	108,586	109,792	98,035	77,480	
	0.7	0.6	0.8	0.8	0.9	0.9	0.8	0.6	
Saudi Arabia	15,666	9,962	19,623	18,380	10,032	15,662	15,221	17,692	
	0.9	0.6	1.1	1.0	0.5	0.8	0.8	0.9	
Syrian Arab Republic	107	54	456	966	583	582	280	83	
	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	
Turkey	8,675	12,213	18,665	47,206	84,321	81,754	60,634	35,376	
	0.2	0.2	0.3	0.8	1.4	1.3	0.9	0.5	
United Arab Emirates	3,514	3,457	3,605	3,735	3,335	8	2,863	1	
	1.7	1.6	1.6	1.6	1.4	<0.1	1.1	<0.1	
Yemen	11,384	12,717	29,320	31,262	37,201	500,000	416,246	1,394,495	
	1.0	1.0	2.2	2.3	2.6	33.1	26.5	85.6	

Malarial Case Notification and Coverage with Key Interventions

	1998	1999	2000	2001	2002	2003
	542	329	56	31	16	8
	0.2	0.1	<0.1	<0.1	<0.1	<0.1
	5,175	2,311	1,526	1,054	505	480
	0.6	0.3	0.2	0.1	0.1	0.1
	14	35	244	437	473	308
	<0.1	<0.1	<0.1	0.1	0.1	0.1
	5	0	7	15	2,712	465
	<0.1	0	<0.1	<0.1	0.5	0.1
	19,351	13,493	19,064	11,387	6,160	5,428
	3.2	2.2	3.1	1.9	1.0	0.9
	115	10	18	5	15	
	<0.1	<0.1	<0.1	<0.1	<0.1	
	0	7	46	9	11	33
	0	<0.1	<0.1	<0.1	<0.1	<0.1
	288,070	395,581	203,911	364,243	590,176	591,441
	14.0	18.9	9.5	16.5	25.7	24.7
	32,951	23,110	19,716	8,895	9,122	17,060
	0.5	0.4	0.3	0.1	0.1	0.2
	9,684	4,143	1,860	1,265	952	303
	0.4	0.2	0.1	0.1	<0.1	<0.1
	116	30	6	2	6	6
	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	73,516	91,774	82,526	104,003	101,761	122,560
	0.5	0.7	0.6	0.7	0.7	0.8
	36,139	10,099	4,736	1,614	1,226	596
	1.7	0.5	0.2	0.1	0.1	<0.1
	14	5	6	63	15	2
	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	36,780	20,908	11,381	10,758	10,184	9,182
	0.6	0.3	0.2	0.2	0.1	0.1
	0	0	0	0	0	0
	0	0	0	0	0	0
		2,781,640	1,394,495		187,159	265,023
		159.7	77.4		9.7	13.2

Data Table 2, *continued***ASIA, continued**

	1990	1991	1992	1993	1994	1995	1996	1997	
South-East Asia									
Bangladesh	53,875 0.5	63,578 0.6	115,660 1.0	125,402 1.1	166,564 1.4	152,729 1.2	100,864 0.8	68,594 0.5	
Bhutan	9,497 5.6	22,126 12.8	28,900 16.6	28,116 15.9	39,852 22.3	23,188 12.8	15,696 8.5	9,029 4.8	
Korea, DPR									
India	2,018,783 2.4	2,117,460 2.5	2,125,826 2.4	2,207,431 2.5	2,511,453 2.7	2,988,231 3.2	3,035,588 3.2	2,660,057 2.8	
Indonesia	171,908 0.9	132,412 0.7	103,277 0.5	136,367 0.7	145,920 0.8	123,226 0.6	179,878 0.9	161,285 0.8	
Maldives	16 0.1	27 0.1	25 0.1	29 0.1	16 0.1	17 0.1	9 <0.1	10 <0.1	
Myanmar	989,042 24.4	939,257 22.8	789,672 18.8	702,239 16.5	701,043 16.2	656,547 14.9	664,507 14.8	568,262 12.5	
Nepal	22,856 1.2	29,135 1.5	23,234 1.2	16,380 0.8	9,442 0.5	9,718 0.5	6,628 0.3	8,957 0.4	
Sri Lanka	287,384 17.1	400,263 23.5	399,349 23.2	327,020 18.8	273,434 15.5	142,294 8.0	184,319 10.3	218,550 12.1	
Thailand	273,880 5.0	198,383 3.6	168,370 3.0	115,220 2.0	102,119 1.8	82,743 1.4	87,622 1.5	97,540 1.7	
Timor Leste									
Western Pacific									
Cambodia	123,796 12.7	102,930 10.2	93,595 9.0	98,956 9.2	74,190 6.7	76,923 6.7	74,883 6.3	85,661 7.0	
China	89,000 0.1	83,000 0.1	74,000 0.1	59,000 <0.1	62,000 0.1	47,118 <0.1	33,382 <0.1	26,800 <0.1	
Lao PDR	22,044 5.3	41,048 9.7	39,904 9.2	41,556 9.3	53,707 11.7	52,021 11.1	51,544 10.7	54,133 11.0	
Malaysia	50,500 2.8	39,189 2.1	36,853 2.0	39,890 2.1	58,958 3.0	59,208 2.9	52,060 2.5	26,651 1.2	
Papua New Guinea	104,900 25.5	86,500 20.5	86,500 19.9	66,797 15.0	65,000 14.2	99,000 21.1	71,013 14.7	38,105 7.7	
Philippines	86,200 1.4	86,400 1.4	95,778 1.5	64,944 1.0	61,959 0.9	56,852 0.8	40,545 0.6	42,005 0.6	
Republic of Korea	0 0	0 0	0 0	1 <0.1	20 <0.1	107 <0.1	396 <0.1	1,724 <0.1	

Malarial Case Notification and Coverage with Key Interventions

	1998	1999	2000	2001	2002	2003
	60,023	63,738	55,599	55,646	55,646	56,879
	0.5	0.5	0.4	0.4	0.4	0.4
	7,693	12,237	5,935	5,982	6,511	3,806
	3.9	6.1	2.9	2.8	3.0	1.7
	1,085	7,980	73,742	115,615	98,852	16,538
	<0.1	0.4	3.3	5.2	4.4	0.7
	2,222,748	2,284,713	2,031,790	2,085,484	1,842,019	1,781,336
	2.3	2.3	2.0	2.0	1.8	1.7
	160,282		245,612	267,592	220,073	
	0.8		1.2	1.2	1.0	
	25	20	0	0	0	0
	0.1	0.1	0	0	0	0
	548,066	591,826	592,354	661,463	721,739	716,100
	11.9	12.6	12.5	13.7	14.8	14.5
	8,498	8,959	7,616	6,408	12,786	9,394
	0.4	0.4	0.3	0.3	0.5	0.4
	211,691	264,549	210,039	66,522	41,411	10,510
	11.6	14.3	11.3	3.5	2.2	0.6
	131,055	125,379	81,692	63,528	45,240	35,076
	2.2	2.1	1.3	1.0	0.7	0.6
	10,332		49,836	63,440	26,651	31,819
	13.8		71.0	89.2	36.1	40.9
	58,874	64,679	62,439	53,601	46,902	71,258
	4.7	5.0	4.7	4.0	3.4	5.0
	27,090	26,797	18,620	26,945	25,520	
	<0.1	<0.1	<0.1	<0.1	<0.1	
	41,039	28,096	40,023	26,932	21,384	18,894
	8.1	5.4	7.6	5.0	3.9	3.3
	13,491	11,106	12,705	12,780	11,019	5,477
	0.6	0.5	0.6	0.5	0.5	0.2
	20,900	18,564	81,192	89,819	79,822	70,226
	4.1	3.6	15.2	16.4	14.3	12.3
	50,709	37,061	36,596	34,787	37,005	43,644
	0.7	0.5	0.5	0.5	0.5	0.5
	3,992	3,621	4,142	2,488	1,763	1,107
	0.1	0.1	0.1	0.1	<0.1	<0.1

Data Table 2, *continued***ASIA, *continued***

	1990	1991	1992	1993	1994	1995	1996	1997	
Western Pacific, <i>continued</i>									
Solomon Islands	116,500 365.7	141,400 429.9	153,359 451.5	126,123 359.6	131,687 363.6	118,521 316.9	84,795 219.7	68,125 171.0	
Vanuatu	28,805 192.7	19,466 126.7	12,842 81.3	11,483 70.6	5,765 34.4	11,954 69.4	5,740 32.4	6,103 33.5	
Vietnam	123,796 1.9	187,994 2.8	225,928 3.3	156,069 2.2	140,120 2.0	100,116 1.4	76,356 1.0	65,859 0.9	

Malarial Case Notification and Coverage with Key Interventions

	1998	1999	2000	2001	2002	2003
	72,808	63,169	67,884	76,417	74,865	90,606
	177.2	149.1	155.4	169.8	161.5	189.9
	6,181	5,180	6,422	7,647	14,339	15,240
	33.1	27.0	32.6	37.9	69.3	71.9
	72,091	64,679	62,442	53,601	46,902	37,416
	0.9	0.8	0.8	0.7	0.6	0.5

Data Table 2, *continued***THE AMERICAS**

	1990	1991	1992	1993	1994	1995	1996	1997
Central America & Caribbean								
Belize	3,033 16.3	3,317 17.4	5,341 27.2	8,586 42.5	9,957 47.9	9,413 44.1	6,605 30.2	4,014 17.9
Costa Rica	1,151 0.4	3,273 1.0	6,951 2.2	5,033 1.5	4,445 1.3	4,515 1.3	5,480 1.5	4,712 1.3
Dominican Republic	356 0.1	377 0.1	698 0.1	987 0.1	1,670 0.2	1,808 0.2	1,414 0.2	816 0.1
El Salvador	9,269 1.8	5,933 1.1	4,539 0.9	3,887 0.7	2,803 0.5	3,362 0.6	5,888 1.0	2,719 0.5
Guatemala	41,711 4.8	57,829 6.4	57,560 6.2	41,868 4.4	22,057 2.3	24,178 2.4	20,268 2.0	32,099 3.0
Haiti	4,806 0.7	25,511 3.6	13,457 1.9	853 0.1	23,140 3.1		18,877 2.5	
Honduras	53,095 10.9	73,352 14.6	70,838 13.7	44,513 8.4	52,110 9.5	59,446 10.5	74,487 12.8	65,863 11.0
Mexico	44,513 0.5	26,565 0.3	16,170 0.2	15,793 0.2	12,864 0.1	7,316 0.1	6,293 0.1	5,046 0.1
Nicaragua	35,785 9.4	27,653 7.0	26,866 6.6	44,037 10.6	41,490 9.7	69,444 15.7	75,606 16.6	42,819 9.1
Panama	381 0.2	1,115 0.5	727 0.3	481 0.2	684 0.3	730 0.3	476 0.2	505 0.2
South America								
Argentina	1,660 0.1	803 <0.1	643 <0.1	758 <0.1	948 <0.1	1,065 <0.1	2,048 0.1	592 <0.1
Bolivia	19,680 3.0	19,031 2.8	24,486 3.5	27,475 3.8	34,749 4.8	46,911 6.3	64,012 8.4	51,478 6.6
Brazil	560,396 3.8	614,431 4.1	609,860 4.0	466,190 3.0	564,406 3.6	565,727 3.5	455,194 2.8	392,976 2.4
Colombia	99,489 2.8	184,156 5.2	184,023 5.1	129,377 3.5	127,218 3.4	187,082 4.9	135,923 3.5	180,898 4.5
Ecuador	71,670 7.0	59,400 5.7	41,089 3.8	46,859 4.3	30,006 2.7	18,128 1.6	11,882 1.0	16,365 1.4
French Guiana	5,909 50.8	3,573 29.5	4,072 32.4	3,974 30.6	4,241 31.6	4,711 34.0	4,724 32.9	3,195 21.5
Guyana	22,681 31.0	42,204 57.8	39,702 54.3	33,172 45.2	39,566 53.6	59,311 80.0		32,103 42.9

	1998	1999	2000	2001	2002	2003
	2,614	1,850	1,486	1,097	928	
	11.4	7.9	6.2	4.5	3.7	
	5,148	3,998	1,879	1,363	1,021	718
	1.4	1.0	0.5	0.3	0.2	0.2
	2,006	3,589	1,215	1,038	1,296	1,296
	0.2	0.4	0.1	0.1	0.2	0.1
	1,182	1,230	745	362	117	85
	0.2	0.2	0.1	0.1	<0.1	<0.1
	47,689	45,098	53,311	35,824	35,540	31,127
	4.4	4.1	4.7	3.1	3.0	2.5
	34,449	1,196	16,897	9,837		9,837
	4.4	0.2	2.1	1.2		1.2
	42,979	46,740	35,122	24,023	17,223	10,122
	7.0	7.4	5.4	3.6	2.5	1.5
	14,451	6,402	7,390	4,831	4,289	4,289
	0.2	0.1	0.1	<0.1	<0.1	<0.1
	33,903	38,676	24,014	10,482	7,466	6,812
	7.0	7.8	4.7	2.0	1.4	1.2
	1,039	936	1,036	928	2,244	13,365
	0.4	0.3	0.4	0.3	0.7	4.3
	339	222	440	215	215	122
	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	73,913	50,037	31,468	15,765	14,276	20,343
	9.3	6.1	3.8	1.9	1.7	2.3
	471,892	609,594	610,878	388,658	349,873	379,551
	2.8	3.6	3.6	2.2	2.0	2.1
	185,455	66,845	107,616	206,195	195,719	164,722
	4.6	1.6	2.6	4.8	4.5	3.7
	43,696	87,620	98,598	108,903	86,757	52,065
	3.6	7.2	7.9	8.6	6.8	4.0
	3,462	5,307	3,708	3,823	3,661	3,823
	22.5	33.3	22.6	22.6	21.1	21.5
	41,200	27,283	24,018	27,122	21,895	27,627
	54.8	36.1	31.7	35.6	28.7	36.1

Data Table 2, *continued***THE AMERICAS, *continued***

	1990	1991	1992	1993	1994	1995	1996	1997	
South America, <i>continued</i>									
Paraguay	2,912 0.7	2,983 0.7	1,289 0.3	436 0.1	583 0.1	898 0.2	637 0.1	567 0.1	
Peru	28,882 1.3	33,705 1.5	54,922 2.4	95,222 4.1	122,039 5.2	192,629 8.1	208,132 8.6	183,740 7.4	
Suriname	1,608 4.0	1,490 3.7	1,404 3.5		4,704 11.5	6,606 16.1	16,649 40.4	11,323 27.3	
Venezuela	46,910 2.4	43,454 2.2	21,416 1.0	12,539 0.6	13,727 0.6	16,371 0.7	18,858 0.8	22,400 1.0	

	1998	1999	2000	2001	2002	2003
	2,091	9,947	6,853	2,710	2,778	1,392
	0.4	1.9	1.3	0.5	0.5	0.2
	247,004	166,579	69,726	79,473	85,742	143,686
	9.8	6.5	2.7	3.0	3.2	5.3
	12,412	13,939	13,132	17,074	13,091	14,657
	29.7	33.1	30.9	39.8	30.3	33.7
	21,862	19,086	29,736	29,491	29,491	31,719
	0.9	0.8	1.2	1.2	1.2	1.2

Data Table 3: Percentage of Households That Have at Least One Mosquito Net, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Benin	2002	PSI 2002	1 district	12.0	
	2001	DHS 2001	national	40.2	
		PSI 2001	subnational	58.0	
		RBM 2000	3 health zones	47.4	
Burkina Faso	2003	DHS 2003	national	40.4	
Cameroon	2001	PSI 2001	3 provinces	15.0	
Chad	2000	RBM 2001	5 districts	68.2	
Congo, Dem Rep. of	2003	PSI 2003	1 district	27.9	
Eritrea	2003	MoH 2003	3 zobas	91.2	
	2002	DHS 2002	national	33.8	
Ethiopia	2001	RBM 2001	14 districts	16.2	
	2000	DHS 2000	national	1.1	
Ghana	2003	DHS 2003	national	17.6	
Kenya	2003	DHS 2003	national	21.8	
	2001	PSI 2000	6 regions	37.0	
		RBM 2001	4 districts	29.7	
Madagascar	2001	PSI 2001	1 district	60.8	
Malawi	2004	MoH 2004	national	42.9	
	2000	DHS 2000	national	13.1	
		IMCI 2000	5 districts	18.2	
	1998	PSI 1998	1 district	22.2	
Mali	2003	NetMark 2003	5 areas	72.8	
	2001	DHS 2001	national	54.4	
Mauritania	2004	DHS 2003–04	national	56.0	
	2001	DHS 2000–01	national	55.6	
Mozambique	2000	NetMark 2000	5 areas	26.5	
Namibia	2000	DHS 2000	national	13.1	
Nigeria	2003	DHS 2003	national	11.8	
	2000	NetMark 2000	5 areas	12.0	
Rwanda	2001	PSI 2001		11.1	
	2000	DHS 2000	national	6.6	
	1997	PSI 1997	3 areas	3.2	
Senegal	2000	NetMark 2000	5 areas	33.6	
Togo	2000	RBM 2000	3 districts	30.5	

	RESIDENCE		WEALTH QUINTILE				
	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	—	—	—	—	—
	48.9	35.0	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	46.4	38.8	34.1	39.7	37.3	38.6	51.5
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	28.3	37.3	—	—	—	—	—
	—	—	—	—	—	—	—
	3.1	0.6	—	—	—	—	—
	9.9	24.2	27.9	23.6	17.1	12.1	11.4
	37.6	16.6	11.2	11.4	14.0	24.4	39.3
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	63.3	39.3	—	—	—	—	—
	32.1	10.1	—	—	—	—	—
	—	—	—	—	—	—	—
	28.0	14.0	—	—	—	—	—
	81.0	67.3	—	—	—	—	—
	57.7	53.4	—	—	—	—	—
	42.5	66.2	—	—	—	—	—
	39.9	66.8	—	—	—	—	—
	34.0	21.5	—	—	—	—	—
	10.9	14.5	—	—	—	—	—
	5.4	15.5	23.0	15.5	10.8	8.0	3.3
	13.3	11.2	—	—	—	—	—
	56.0	4.3	—	—	—	—	—
	29.7	2.9	—	—	—	—	—
	—	—	—	—	—	—	—
	28.8	36.8	—	—	—	—	—
	—	—	—	—	—	—	—

Data Table 3, *continued***AFRICA, *continued***

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Uganda	2003	Fapohunda BM 2003	6 districts	30.0
		Gertrude N. 2004	1 district	43.7
	2002	Spencer et al. 2004	1 district	78.2
		DHS 2000–01	national	12.8
	2001	MoH 2001 (RBM Baseline survey)	4 districts	17.6
		CMS 2000	district	22.4
		NetMark 2000	5 areas	34.0
	1999	PSI 2000	4 provinces	22.4
Nuwaha F. 1999		1 district	55.0	
Tanzania	2001	NSO 2001	national	37.1
	2000	Nathan R. et al. 2004	2 districts	73.0
		PSI 2000	4 areas	51.1
	1999	DHS 1999	national	30.3
	1998	PSI 1998	4 areas	32.0
	1997	Nathan R. et al. 2004	2 districts	37.0
Zambia	2002	DHS 2002–03	national	27.2
	2000	NetMark 2000	5 areas	26.5
Zimbabwe	1999	DHS 1999	national	10.2

ASIA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Afghanistan	2002	MoH 2002	50 districts	10.8
Cambodia	2000	DHS 2000	national	82.0
Lao PDR	2001	PSI 2001	2 provinces	96.9
Myanmar	2001	PSI 2001	1 state	50.0
Nepal	2003	MoH 2003	8 districts	73.0
Timor Leste	2004	MoH 2005	national	36.0

THE AMERICAS

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Bolivia	2002	PSI 2002	1 province	92.4
	2001	PSI 2001a	1 province	94.4
		PSI 2001b	1 province	95.6
Colombia	2000	DHS 2000	national	31.0
Nicaragua	2001	DHS 2001	national	42.1

	RESIDENCE		WEALTH QUINTILE				
	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	32.9	9.2	—	—	—	—	—
	—	—	—	—	—	—	—
	45.5	16.5	—	—	—	—	—
	47.4	24.9	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	67.4	27.9	—	—	—	—	—
	—	—	54.0	64.0	74.0	83.0	92.0
	—	—	—	—	—	—	—
	57.1	20.8	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	20.0	29.0	32.0	45.0	63.0
	34.9	23.3	—	—	—	—	—
	34.9	20.8	—	—	—	—	—
	16.5	6.3	—	—	—	—	—

	RESIDENCE	
	URBAN	RURAL
	—	—
	91.5	80.3
	—	—
	—	—
	—	—
	—	—

	RESIDENCE	
	URBAN	RURAL
	—	—
	—	—
	—	—
	30.6	32.1
	45.6	37.0

Data Table 4: Percentage of Households That Have at Least One Insecticide-treated Mosquito Net, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Benin	2002	PSI 2002	1 district	2.1	
	2001	PSI 2001	subnational	26.7	
		RBM 2000	3 health zones	5.4	
Burkina Faso	2003	DHS 2003	national	4.6	
	2001	RBM 2000	district	17.4	
Chad	2000	RBM 2001	5 districts	5.4	
Congo	2003	PSI 2003	1 district	2.4	
Eritrea	2003	MoH 2003	3 zobas	71.0	
Ethiopia	2000	DHS 2000	national	0.2	
Ghana	2003	DHS 2003	national	3.2	
	2001	RBM 2001	5 districts	12.2	
Guinea	2001	RBM 2001	4 districts	7.0	
Kenya	2003	DHS 2003	national	5.9	
Malawi	2004	MoH 2004	national	33.8	
	2000	DHS 2000	national	4.9	
		IMCI 2000	5 districts	7.0	
Mali	1998	PSI 1998	1 district	0.4	
	2003	RBM 2003	district	25.1	
Mauritania	2004	DHS 2003–04	national	0.6	
Mozambique	2000	NetMark 2000	5 areas	7.2	
Nigeria	2003	DHS 2003	national	2.2	
	2000	NetMark 2000	5 areas	0.1	
Senegal	2000	NetMark 2000	5 areas	11.0	
Uganda	2003	Gertrude N. 2004	1 district	11.5	
	2002	Spencer et al. 2004	1 district	75.6	
	2001	MoH 2001 (RBM Baseline survey)	4 districts	1.7	
	2000	NetMark 2000	5 areas	3.8	
	1999	Nuwaha F. 1999	1 district	6.8	
Tanzania	1999	DHS 1999	national	1.3	
	1998	PSI 1998	4 areas	6.0	
Zambia	2002	DHS 2002–03	national	13.6	
	2001	RBM 2001	10 districts	1.6	
Zambia	2000	NetMark 2000	5 areas	9.3	

	RESIDENCE		WEALTH QUINTILE				
	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	12.0	2.7	1.5	1.7	2.2	3.6	13.1
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	0.4	0.1	—	—	—	—	—
	2.3	4.0	7.1	2.1	2.0	2.2	3.7
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	10.6	4.4	2.5	2.6	4.2	5.6	11.7
	52.3	30.4	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	0.6	0.0	—	—	—	—	—
	—	—	—	—	—	—	—
	0.5	0.6	—	—	—	—	—
	9.3	5.8	—	—	—	—	—
	1.0	2.9	4.5	1.3	2.4	2.1	1.0
	0.3	0.0	—	—	—	—	—
	10.0	11.7	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	6.7	1.8	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	16.1	12.4	—	—	—	—	—
	—	—	—	—	—	—	—
	9.4	9.2	—	—	—	—	—

Data Table 4, *continued***ASIA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Afghanistan	2002	MoH 2002	50 districts	4.8
Lao PDR	2001	PSI 2001	2 provinces	63.8

THE AMERICAS

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Bolivia	2001	PSI 2001b	1 province	13.4
Colombia	2000	DHS 2000	national	2.8

	RESIDENCE	
	URBAN	RURAL
	-	-
	2.5	3.7

Data Table 5: Percentage of Children under Five Years Old That Slept under a Mosquito Net during the Night Preceding the Survey, by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Angola	2001	MICS 2001	national	10.2	
Benin	2002	PSI 2002	subnational	46.2	
	2001	DHS 2001	national	32.0	
	1999	MICS 1999	national	38.7	
Burkina Faso	2003	DHS 2003	national	19.8	
Burundi	2000	MICS 2000	national	2.6	
Cameroon	2001	PSI 2001	3 provinces	6.2	
	2000	MICS 2000	national	11.3	
Central African Republic	2000	MICS 2000	national	30.9	
Chad	2000	MICS 2000	national	26.9	
		RBM 2001	5 districts	43.3	
Comoros	2000	MICS 2000	national	36.4	
Côte d'Ivoire	2000	MICS 2000	national	9.6	
Congo, Dem. Rep. of	2001	MICS 2001	national	11.8	
Equatorial Guinea	2000	MICS 2000	national	15.4	
Eritrea	2003	MoH 2003	3 zobas	81.0	
	2002	DHS 2002	national	12.1	
Ethiopia	2001	RBM 2001	14 districts	17.1	
Gabon	2000	DHS 2000	national	8.7	
Gambia, The	2000	MICS 2000	national	42.1	
Ghana	2003	DHS 2003	national	14.7	
	2001	RBM 2001	5 districts	27.0	
Guinea	2001	RBM 2001	4 districts	27.2	
Guinea-Bissau	2000	MICS 2000	national	67.0	
Kenya	2003	DHS 2003	national	14.5	
	2001	PSI 2000	6 regions	31.2	
		RBM 2001	4 districts	15.1	
2000	MICS 2000	national	16.4		
	Madagascar	2001	PSI 2001	1 district	54.7
2000	MICS 2000	national	30.3		
	Malawi	2004	MoH 2004	national	38.0
2000	DHS 2000	national	7.6		
	Malawi	2000	IMCI 2000	5 districts	8.6
1998	PSI 1998	1 district	58.0		

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	9.5	10.9	10.9	8.6	7.1	5.7	5.4	11.1	20.2
	—	—	—	—	—	—	—	—	—
	31.7	32.3	42.9	26.8	—	—	—	—	—
	—	—	48.0	32.2	—	—	—	—	—
	19.6	20.0	22.8	19.3	22.3	19.4	17.1	16.0	26.4
	2.7	2.6	27.6	0.7	0.2	0.7	0.8	1.9	8.8
	—	—	—	—	—	—	—	—	—
	11.4	11.3	17.6	8.7	7.3	9.8	8.9	14.5	18.6
	31.0	30.8	48.2	19.8	18.6	16.7	23.1	41.4	58.8
	26.6	27.2	57.5	18.6	22.5	13.6	19.5	32.1	50.3
	—	—	—	—	—	—	—	—	—
	37.3	35.5	56.8	31.1	23.4	25.6	32.8	40.9	60.6
	9.7	9.4	11.9	7.9	7.0	8.0	12.9	11.0	9.8
	11.9	11.7	15.0	10.3	7.1	14.0	9.7	9.6	18.6
	16.7	14.0	29.8	9.9	7.3	8.6	22.8	16.3	26.8
	—	—	—	—	—	—	—	—	—
	11.8	12.4	14.3	11.0	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	7.5	14.4	—	—	—	—	—
	43.1	41.0	35.7	45.9	44.5	46.1	44.5	37.8	32.9
	—	—	9.0	17.5	16.8	17.1	16.0	11.2	9.6
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	67.2	66.7	74.9	63.5	60.5	63.4	66.8	71.4	74.7
	14.9	14.2	32.6	10.7	6.4	7.0	11.4	18.3	35.3
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	15.7	17.1	34.9	10.2	6.8	8.6	9.2	19.2	42.5
	—	—	—	—	—	—	—	—	—
	30.1	30.5	31.7	29.9	27.9	38.0	30.3	23.0	31.6
	—	—	57.5	34.1	—	—	—	—	—
	—	—	20.8	5.7	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	60.0	53.0	—	—	—	—	—

Data Table 5, *continued***AFRICA, continued**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Mali	2003	NetMark 2003	5 areas	52.7	
Mauritania	2004	DHS 2003–4	national	30.8	
Mozambique	2000	NetMark 2000	5 areas	12.5	
Namibia	2000	DHS 2000	national	6.7	
Niger	2000	MICS 2000	national	16.6	
Nigeria	2003	DHS 2003	national	5.9	
	2000	NetMark 2000	5 areas	8.8	
Rwanda	2001	PSI 2001			
	2000	DHS 2000	national	5.6	
		MICS 2000	national	6.0	
São Tomé and Príncipe	2000	MICS 2000	national	42.5	
Senegal	2000	MICS 2000	national	15.2	
		NetMark 2000	5 areas	17.7	
Sierra Leone	2000	MICS 2000	national	15.2	
Somalia	1999	MICS 1999	national	15.6	
Sudan	2000	MICS 2000	national	23.1	
Swaziland	2000	MICS 2000	national	0.2	
Togo	2000	MICS 2000	national	14.8	
		RBM 2000	3 districts	22.7	
Uganda	2003	CMS 2003a	2 districts	1.0	
		CMS 2003b	4 districts	1.0	
		Fapohunda BM 2003	6 districts	22.0	
		GTZ 2001	3 districts	1.0	
	2001	DHS 2000–01	national	7.3	
		MoH 2001 (RBM Baseline survey)	4 districts	11.8	
	2000	NetMark 2000	5 areas	24.7	
Tanzania	1999	DHS 1999	national	20.7	
Zambia	2002	DHS 2002–03	national	16.3	
	2001	RBM 2001	10 districts	13.2	
	2000	NetMark 2000	5 areas	11.9	
	1999	MICS 1999	national	6.0	
Zimbabwe	1999	DHS 1999	national	3.0	

Data Table 5, *continued***ASIA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Azerbaijan	2000	MICS 2000	national	12.4	
Indonesia	2000	MICS 2000	national	32.0	
Iraq	2000	MICS 2000	national	7.4	
Lao PDR	2001	PSI 2001	2 provinces	98.3	
	2000	National Health Survey 2002	national	82.3	
Tajikistan	2000	MICS 2000	national	5.9	
Timor Leste	2002	MICS 2002	national	47.5	
Vietnam	2000	MICS 2000	national	95.9	

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Bolivia	2001	PSI 2001a	1 province	97.1	
Colombia	2000	DHS 2000	national	23.9	
Guatemala	1999	MICS	national	6.4	
Guyana	2000	MICS 2000	national	—	
Suriname	2000	MICS 2000	national	76.6	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	12.8	12.0	6.5	18.1	17.1	19.7	8.9	5.4	4.7
	32.0	32.2	23.3	37.5	—	—	—	—	—
	7.3	7.5	6.9	8.3	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	82.8	81.9	96.9	77.9	72.9	82.2	83.2	86.4	91.1
	5.6	6.1	6.1	5.8	2.9	6.8	7.3	6.5	6.0
	48.1	46.8	74.6	39.3	26.1	33.2	46.3	58.6	77.1
	95.5	96.2	93.7	96.4	92.4	98.6	98.7	99.0	92.7

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	—	—	—	—	—	—	
	—	—	23.2	25.6	—	—	—	—	
	—	—	5.6	19.1	—	—	—	—	
	68.7	65.8	—	—	—	—	—	—	
	75.4	77.9	—	—	—	0.0	50.0	58.1	74.9

Data Table 6: Percentage of Children Under Five Years Old That Slept under an Insecticide-treated Mosquito Net during the Night Preceding the Survey, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Angola	2001	MICS 2001	national	2.3	
Benin	2003	AIMI/Benin 2003	3 districts	47.0	
	2001	DHS 2001	national	7.4	
		RBM 2000	3 health zones	4.4	
Burkina Faso	1999	MICS 1999	national	5.0	
	2003	DHS 2003	national	1.6	
	2001	RBM 2000	district	12.4	
Burundi	2000	MICS 2000	national	1.3	
Cameroon	2000	MICS 2000	national	1.3	
Central African Republic	2000	MICS 2000	national	1.5	
Chad	2000	MICS 2000	national	0.6	
		RBM 2001	5 districts	2.9	
Comoros	2000	MICS 2000	national	9.3	
Côte d'Ivoire	2000	MICS 2000	national	1.1	
Congo, Dem. Rep. of	2001	MICS 2001	national	0.7	
Equatorial Guinea	2000	MICS 2000	national	0.7	
Eritrea	2003	MoH 2003	3 zobas	63.0	
	2002	DHS 2002	national	4.2	
Gambia, The	2000	MICS 2000	national	14.7	
Ghana	2003	DHS 2003	national	3.5	
	2001	RBM 2001	5 districts	9.1	
Guinea	2001	RBM 2001	4 districts	0.5	
Guinea-Bissau	2000	MICS 2000	national	7.4	
Kenya	2003	DHS 2003	national	4.6	
	2001	RBM 2001	4 districts	4.5	
	2000	MICS 2000	national	2.9	
Madagascar	2000	MICS 2000	national	0.2	
Malawi	2004	MoH 2004	national	35.5	
	2000	DHS 2000	national	2.5	
Mali	2003	NetMark 2003	5 areas	17.7	
		RBM 2003	district	8.4	
Mauritania	2004	DHS 2003–04	national	2.1	
Mozambique	2000	NetMark 2000	5 areas	3.5	
Niger	2000	MICS 2000	national	1.0	
Nigeria	2003	DHS 2003	national	1.2	
	2000	NetMark 2000	5 areas	0.1	
Rwanda	2000	DHS 2000	national	4.3	
		MICS 2000	national	5.0	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	2.3	2.3	2.9	0.9	0.8	0.8	0.8	3.8	4.7
	—	—	—	—	—	—	—	—	—
	7.0	7.8	13.5	4.4	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	4.3	0.7	—	—	—	—	—
	1.4	1.9	5.2	1.1	1.1	0.4	0.6	1.5	6.0
	—	—	—	—	—	—	—	—	—
	1.4	1.2	14.8	0.2	0.0	0.7	0.2	0.5	4.7
	1.3	1.4	2.7	0.8	0.5	0.1	1.1	2.5	3.1
	1.3	1.8	2.1	1.2	0.6	1.3	1.1	2.0	2.7
	0.6	0.6	1.3	0.4	0.4	0.4	0.0	0.2	2.1
	—	—	—	—	—	—	—	—	—
	9.3	9.3	16.8	7.4	5.0	6.0	7.1	9.2	19.9
	1.2	1.1	1.9	0.6	0.3	1.0	1.6	1.2	2.1
	0.7	0.8	2.1	0.1	0.0	0.1	0.2	0.4	3.1
	0.9	0.6	3.2	0.2	0.0	0.2	1.9	0.6	3.1
	—	—	—	—	—	—	—	—	—
	4.3	4.1	4.8	4.0	—	—	—	—	—
	14.4	15.2	7.2	19.4	17.6	20.7	13.9	10.8	7.4
	—	—	3.5	3.5	6.2	1.6	1.9	2.6	5.0
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	7.9	7.1	19.0	2.5	2.2	2.7	4.1	9.3	23.0
	5.1	4.1	9.8	3.5	1.2	2.2	4.9	4.8	12.0
	—	—	—	—	—	—	—	—	—
	3.0	2.8	3.9	2.6	2.0	2.7	2.5	3.2	4.2
	0.2	0.2	0.8	0.2	0.2	0.2	0.3	0.2	0.3
	—	—	50.1	32.2	—	—	—	—	—
	—	—	10.6	1.3	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	2.5	1.7	2.4	1.9	—	—	—	—	—
	—	—	4.6	2.9	—	—	—	—	—
	0.9	1.1	4.0	0.5	0.3	0.3	0.5	0.1	3.7
	1.1	1.2	0.6	1.4	—	—	—	—	—
	—	—	0.2	0.0	—	—	—	—	—
	—	—	20.8	1.3	—	—	—	—	—
	4.8	5.3	23.9	1.7	0.3	0.6	0.5	8.4	31.9

Data Table 6, *continued***AFRICA, *continued***

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
São Tomé and Príncipe	2000	MICS 2000	national	22.8	
Senegal	2000	MICS 2000	national	1.7	
		NetMark 2000	5 areas	5.7	
Sierra Leone	2000	MICS 2000	national	1.5	
Somalia	1999	MICS 1999	national	0.3	
Sudan	2000	MICS 2000	national	0.4	
Swaziland	2000	MICS 2000	national	0.1	
Togo	2000	MICS 2000	national	2.0	
Uganda	2003	Fapohunda BM 2003	6 districts	4.0	
	2001	DHS 2000–01	national	0.2	
		MoH 2001 (RBM Baseline survey)	4 districts	2.0	
	2000	NetMark 2000	5 areas	3.1	
Tanzania	1999	DHS 1999	national	2.1	
Zambia	2002	DHS 2002–03	national	6.5	
	2001	RBM 2001	10 districts	10.2	
	2000	NetMark 2000	5 areas	4.1	
	1999	MICS 1999	national	1.1	

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Azerbaijan	2000	MICS 2000	national	1.4	
Indonesia	2000	MICS 2000	national	0.1	
Iraq	2000	MICS 2000	national	0.0	
Lao PDR	2000	National Health Survey 2002	national	14.6	
Tajikistan	2000	MICS 2000	national	1.9	
Timor Leste	2002	MICS 2002	national	3.9	
Vietnam	2000	MICS 2000	national	15.8	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	20.8	23.4	32.4	14.4	9.3	7.9	12.8	12.2	26.1
	1.7	1.6	1.5	1.7	0.7	2.4	2.0	1.5	1.3
	—	—	4.9	6.2	—	—	—	—	—
	1.7	1.3	3.9	0.7	0.2	0.3	0.6	2.0	5.3
	0.3	0.5	0.4	0.6	—	—	—	—	—
	0.4	0.5	0.7	0.2	0.1	0.3	0.5	0.5	0.9
	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.3
	2.3	1.6	3.7	1.4	0.9	0.3	1.3	2.4	7.1
	—	—	—	—	—	—	—	—	—
	—	—	0.9	0.2	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	5.5	1.5	—	—	—	—	—
	—	—	4.8	1.3	—	—	—	—	—
	6.4	6.6	8.1	5.8	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	6.1	2.8	—	—	—	—	—
	1.3	0.8	1.6	0.8	0.2	0.4	1.0	1.1	2.9

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	1.5	1.3	0.9	1.9	2.0	1.8	1.6	0.3	0.8
	0.1	0.1	0.0	0.1	—	—	—	—	—
	0.0	0.0	0.0	0.0	—	—	—	—	—
	14.5	14.6	10.9	15.3	10.8	17.7	14.2	15.8	15.2
	1.6	2.3	1.1	2.1	0.9	3.1	2.5	1.8	0.8
	4.0	3.9	8.8	2.5	0.9	1.7	4.1	8.0	5.7
	14.4	17.3	3.8	18.6	27.3	15.1	11.0	11.6	4.1

Data Table 6, *continued***THE AMERICAS**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Bolivia	2001	PSI 2001a	1 province	15.3	
Colombia	2000	DHS 2000	national	2.8	
Guatemala	1999	MICS	national	1.2	
Guyana	2000	MICS 2000	national	—	
Suriname	2000	MICS 2000	national	2.7	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	—	—	—	—	—	—	—
	—	—	2.5	3.7	—	—	—	—	—
	—	—	1.2	1.5	—	—	—	—	—
	8.1	5.6	—	—	—	—	—	—	—
	2.1	3.3	—	—	—	—	—	6.5	3.1

Data Table 7: Percentage of Pregnant Women That Slept under a Mosquito Net during the Night Preceding the Survey, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Benin	2001	DHS 2001	national	33.2
		RBM 2000	3 health zones	36.9
Burkina Faso	2003	DHS 2003	national	24.0
Cameroon	2001	PSI 2001	3 provinces	5.0
Chad	2000	RBM 2001	5 districts	45.5
Eritrea	2002	DHS 2002	national	6.6
Ethiopia	2001	RBM 2001	14 districts	4.7
Ghana	2003	DHS 2003	national	9.5
		RBM 2001	5 districts	21.6
Guinea	2001	RBM 2001	4 districts	25.5
Kenya	2003	DHS 2003	national	13.1
		PSI 2000	6 regions	23.1
Madagascar	2001	PSI 2001	1 district	53.3
Malawi	2004	MoH 2004	national	34.1
Mali	2003	NetMark 2003	5 areas	49.1
Mauritania	2004	DHS 2003–04	national	31.2
Mozambique	2000	NetMark 2000	5 areas	18.8
Nigeria	2003	DHS 2003	national	5.4
		NetMark 2000	5 areas	7.4
Senegal	2000	NetMark 2000	5 areas	21.4
Uganda	2001	DHS 2000–01	national	6.6
		NetMark 2000	5 areas	20.8
Zambia	2002	DHS 2002–03	national	17.4
		NetMark 2000	5 areas	4.1

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Lao PDR	2001	PSI 2001	2 provinces	96.0

Data Table 8: Percentage of Pregnant Women That Slept under an Insecticide-treated Mosquito Net during the Night Preceding the Survey, by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Benin	2001	RBM 2000	3 health zones	3.8
Burkina Faso	2003	DHS 2003	national	2.6
	2001	RBM 2000	district	10.0
Chad	2000	RBM 2001	5 districts	7.2
Eritrea	2002	DHS 2002	national	2.9
Ghana	2003	DHS 2003	national	2.7
	2001	RBM 2001	5 districts	7.8
Guinea	2001	RBM 2001	4 districts	2.7
Kenya	2003	DHS 2003	national	4.4
Malawi	2004	MoH 2004	national	31.4
Mali	2003	NetMark 2003	5 areas	19.6
		RBM 2003	district	19.0
Mozambique	2000	NetMark 2000	5 areas	5.6
Nigeria	2003	DHS 2003	national	1.3
	2000	NetMark 2000	5 areas	—
Senegal	2000	NetMark 2000	5 areas	6.0
Uganda	2001	DHS 2000–01	national	0.5
		MoH 2001 (RBM Baseline survey)	4 districts	2.3
	2000	NetMark 2000	5 areas	1.5
Zambia	2002	DHS 2002–03	national	7.9
	2000	NetMark 2000	5 areas	1.4

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Bolivia	2001	PSI 2001a	1 province	17.8

Data Table 9: Pregnant Women Receiving Sulfadoxine Pyrimethamine (SP) at Least Once during Pregnancy (Community Level, Prevention or Treatment), by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Benin	2001	DHS 2001	national	6.2
Ghana	2003	DHS 2003	national	1.0
Kenya	2003	DHS 2003	national	12.5
Malawi	2004	MoH 2004	national	77.7
	2000	DHS 2000	national	67.5
Mauritania	2004 DHS	2003–04	national	0.5
Nigeria	2003	DHS 2003	national	2.4
Rwanda	2000	DHS 2000	national	0.1
Zambia	2002	DHS 2002–03	national	0.5
Benin	2001	DHS 2001	national	6.2
Ghana	2003	DHS 2003	national	1.0
Kenya	2003	DHS 2003	national	12.5
Malawi	2004	MoH 2004	national	77.7
	2000	DHS 2000	national	67.5
Mauritania	2004 DHS	2003–04	national	0.5
Nigeria	2003	DHS 2003	national	2.4
Rwanda	2000	DHS 2000	national	0.1
Zambia	2002	DHS 2002–03	national	0.5

Data Table 10: Pregnant Women Receiving Sulfadoxine Pyrimethamine (SP) at Least Twice during Pregnancy (Community Level, Prevention or Treatment), by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Malawi	2004	MoH 2004	national	46.8
	2000	DHS 2000	national	29.3

	RESIDENCE		WEALTH QUINTILE				
	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	4.2	7.2	—	—	—	—	—
	0.9	1.1	1.3	0.7	1.0	0.9	1.4
	13.1	12.4	12.6	11.8	13.8	11.9	12.5
	88.9	75.4	—	—	—	—	—
	—	—	—	—	—	—	—
	0.9	0.2	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	0.8	0.4	—	—	—	—	—
	4.2	7.2	—	—	—	—	—
	0.9	1.1	1.3	0.7	1.0	0.9	1.4
	13.1	12.4	12.6	11.8	13.8	11.9	12.5
	88.9	75.4	—	—	—	—	—
	—	—	—	—	—	—	—
	0.9	0.2	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	0.8	0.4	—	—	—	—	—

	RESIDENCE	
	URBAN	RURAL
	57.2	44.7
	—	—

Data Table 11: Pregnant Women Receiving Sulfadoxine Pyrimethamine (SP) at Least Once during an Antenatal Visit, by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Mauritania	2004	DHS 2003–04	national	0.3	
Nigeria	2003	DHS 2003	national	1.0	

Data Table 12: Pregnant Women Receiving Sulfadoxine Pyrimethamine (SP) at Least Twice during an Antenatal Visit, by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Ghana	2003	DHS 2003	national	0.8	
Kenya	2003	DHS 2003	national	3.9	
Uganda	2001	MoH 2002	17 districts	33.0	

	RESIDENCE	
	URBAN	RURAL
	0.7	—
	2.0	0.6

	RESIDENCE		WEALTH QUINTILE				
	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	0.6	0.9	0.7	0.7	1.0	0.6	1.1
	4.2	3.9	3.0	4.7	4.7	3.4	3.9
	—	—	—	—	—	—	—

Data Table 13: Percentage of Children under Five Years Old with Reported Fever in the Two Weeks Prior to the Survey, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Angola	2001	MICS 2001	national	25.0	
Benin	2001	DHS 2001	national	41.0	
	1999	MICS 1999	national	15.0	
Botswana	1988	DHS 1988	national	3.9	
Burkina Faso	2003	DHS 2003	national	36.7	
	1999	DHS 1998–99	national	36.0	
	1993	DHS 1992–93	national	35.0	
Burundi	2000	MICS 2000	national	16.5	
Cameroon	2000	MICS 2000	national	24.8	
	1991	DHS 1991	national	23.0	
Central African Republic	2000	MICS 2000	national	31.8	
Chad	2000	MICS 2000	national	29.2	
	1997	DHS 1996–97	national	32.0	
Comoros	2000	MICS 2000	national	31.0	
Côte d'Ivoire	2000	MICS 2000	national	30.7	
	1999	DHS 1998–99	national	36.0	
Congo, Dem Rep. of	2001	MICS 2001	national	41.1	
Egypt	1995	DHS 1995–96	national	40.0	
	1992	DHS 1992	national	21.0	
Equatorial Guinea	2000	MICS 2000	national	25.1	
Eritrea	2002	DHS 2002	national	29.8	
Ethiopia	2001	RBM 2001	14 districts	88.6	
	2000	DHS 2000	national	28.4	
Gabon	2000	DHS 2000	national	29.1	
Gambia, The	2000	MICS 2000	national	14.8	
Ghana	2003	DHS 2003	national	21.3	
	1998	DHS 1998–99	national	26.8	
	1988	DHS 1988	national	35.0	
Guinea	1999	DHS 1999	national	41.9	
Guinea-Bissau	2000	MICS 2000	national	42.2	
Kenya	2003	DHS 2003	national	41.6	
	2000	MICS 2000	national	15.3	
Kenya	1998	DHS 1998	national	42.3	
	1993	DHS 1993	national	41.0	
	1989	DHS 1988–89	national	42.0	
Liberia	1986	DHS 1986	national	50.0	
Madagascar	2000	MICS 2000	national	15.9	
	1992	DHS 1992	national	27.0	

Data Table 13, *continued***AFRICA, *continued***

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Malawi	2004	MoH 2004	national	39.0	
	2000	DHS 2000	national	41.6	
	1992	DHS 1992	national	40.0	
Mali	2001	DHS 2001	national	26.8	
	1987	DHS 1987	national	33.0	
Mauritania	2004	DHS 2003–04	national	37.5	
	2001	DHS 2000–01	national	31.1	
Morocco	1992	DHS 1992	national	27.0	
Namibia	2000	DHS 2000	national	19.4	
	1992	DHS 1992	national	34.0	
Niger	2000	MICS 2000	national	41.6	
	1992	DHS 1992	national	45.0	
Nigeria	2003	DHS 2003	national	31.6	
	1999	DHS 1999	national	30.2	
	1990	DHS 1990	national	32.0	
Rwanda	2000	DHS 2000	national	32.7	
		MICS 2000	national	33.4	
	1992	DHS 1992	national	41.0	
São Tomé and Príncipe	2000	MICS 2000	national	29.0	
Senegal	2000	MICS 2000	national	20.5	
	1993	DHS 1992–93	national	38.0	
Sierra Leone	2000	MICS 2000	national	45.9	
Somalia	1999	MICS 1999	national	17.0	
Sudan	2000	MICS 2000	national	20.7	
Swaziland	2000	MICS 2000	national	4.0	
Togo	2000	MICS 2000	national	36.2	
Uganda	2003	Fapohunda BM 2003	6 districts	46.3	
	2001	DHS 2000–01	national	43.9	
Uganda	2001	MoH 2001 (RBM Baseline survey)	4 districts	1.0	
	1989	DHS 1988–89	national	41.0	
Tanzania	1999	DHS 1999	national	35.1	
	1996	DHS 1996	national	30.0	
	1992	DHS 1991–92	national	31.0	
Zambia	2002	DHS 2002–03	national	43.3	
	1999	MICS 1999	national	14.4	
	1997	DHS 1996–97	national	40.0	
	1992	DHS 1992	national	43.0	
Zimbabwe	1999	DHS 1999	national	25.8	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	28.6	40.1	—	—	—	—	—
	—	—	31.9	43.0	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	27.0	26.6	24.0	27.7	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	39.9	34.4	34.1	40.2	—	—	—	—	—
	30.6	31.6	31.9	30.4	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	19.0	19.9	20.9	18.7	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	42.5	40.5	25.8	43.9	45.5	45.0	40.4	47.9	28.8
	—	—	—	—	—	—	—	—	—
	31.6	31.6	27.8	33.3	—	—	—	—	—
	31.8	28.6	26.5	31.6	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	31.5	35.1	22.7	35.3	38.1	38.5	31.4	32.1	18.1
	—	—	—	—	—	—	—	—	—
	29.4	28.9	28.6	29.1	28.1	30.5	36.8	27.8	28.4
	21.9	19.2	15.1	26.9	26.6	23.8	19.0	15.3	16.7
	—	—	—	—	—	—	—	—	—
	46.3	45.6	43.9	46.6	46.3	50.1	45.2	48.5	37.8
	17.5	16.5	18.5	17.6	—	—	—	—	—
	21.8	19.6	18.4	22.8	21.0	20.5	21.2	20.5	20.6
	3.8	4.1	9.1	3.0	2.5	2.8	3.2	6.1	8.6
	35.9	36.4	28.8	38.9	41.2	37.9	39.1	35.6	20.9
	—	—	—	—	—	—	—	—	—
	44.7	43.1	32.9	45.3	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	36.5	33.7	33.4	35.5	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	42.2	44.4	33.2	47.8	—	—	—	—	—
	14.4	14.4	10.7	16.3	15.6	15.9	19.0	12.5	8.5
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	26.4	25.1	22.6	27.3	—	—	—	—	—

Data Table 13, *continued***ASIA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Afghanistan	2003	MICS 2003	national	1.2
Armenia	2000	DHS 2000	national	16.5
Azerbaijan	2000	MICS 2000	national	13.7
Bangladesh	1997	DHS 1996–97	national	31.0
Cambodia	2000	DHS 2000	national	35.4
Indonesia	2000	MICS 2000	national	3.1
	1997	DHS 1997	national	26.0
	1994	DHS 1994	national	28.0
	1991	DHS 1991	national	27.0
Iraq	2000	MICS 2000	national	18.2
Lao PDR	2000	National Health Survey 2002	national	2.9
Nepal	2001	DHS 2001	national	32.0
Pakistan	1991	DHS 1990–91	national	30.0
Philippines	1998	DHS 1998	national	26.0
	1993	DHS 1993	national	25.0
Tajikistan	2000	MICS 2000	national	1.7
Timor Leste	2002	MICS 2002	national	27.9
Turkey	1993	DHS 1993	national	30.0
Turkmenistan	2000	DHS 2000	national	4.0
Vietnam	2000	MICS 2000	national	13.1
Yemen	1997	DHS 1997	national	40.0
	1992	DHS 1991–92	national	46.0

Data Table 13, *continued***THE AMERICAS**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Bolivia	1998	DHS 1998	national	32.0	
Brazil	1996	DHS 1996	national	26.0	
Colombia	2000	DHS 2000	national	25.5	
	1995	DHS 1995	national	28.0	
	1990	DHS 1990	national	19.0	
	1986	DHS 1986	national	30.0	
Dominican Republic	2002	DHS 2002	national	26.4	
	1996	DHS 1996	national	28.8	
	1991	DHS 1991	national	27.0	
Guatemala	1999	DHS 1998–99	national	27.0	
		MICS	national	20.3	
	1995	DHS 1995	national	28.0	
Guyana	2000	MICS 2000	national	18.5	
Haiti	2000	DHS 2000	national	40.6	
	1995	DHS 1994–95	national	40.0	
Nicaragua	2001	DHS 2001	national	24.9	
	1998	DHS 1997–98	national	23.0	
Paraguay	1990	DHS 1990	national	31.0	
Peru	2000	DHS 2000	national	26.0	
	1996	DHS 1996	national	28.0	

Data Table 14: Percentage of Febrile Children under Five Years Old That Received Treatment with Chloroquine, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Angola	2001	MICS 2001	national	56.9
Benin	2001	DHS 2001	national	59.0
Burkina Faso	2003	DHS 2003	national	47.7
Burundi	2000	MICS 2000	national	23.3
Cameroon	2000	MICS 2000	national	48.3
Central African Republic	2000	MICS 2000	national	65.7
Chad	2000	MICS 2000	national	31.1
Comoros	2000	MICS 2000	national	61.5
Côte d'Ivoire	2000	MICS 2000	national	56.3
Congo, Dem. Rep. of	2001	MICS 2001	national	45.0
Equatorial Guinea	2000	MICS 2000	national	41.2
Eritrea	2002	DHS 2002	national	2.4
Ethiopia	2000	DHS 2000	national	1.6
Gabon	2000	DHS 2000	national	38.8
Gambia, The	2000	MICS 2000	national	54.5
Ghana	2003	DHS 2003	national	59.2
Guinea-Bissau	2000	MICS 2000	national	58.3
Kenya	2003	DHS 2003	national	3.4
	2000	MICS 2000	national	43.5
Madagascar	2000	MICS 2000	national	29.7
Malawi	2000	DHS 2000	national	1.3
Mali	2001	DHS 2001	national	38.2
Mauritania	2004	DHS 2003–04	national	28.3
	2001	DHS 2000–01	national	21.3
Mozambique	2003	2003	subnational	14.9
Namibia	2000	DHS 2000	national	14.4
Niger	2000	MICS 2000	national	48.1
Nigeria	2003	DHS 2003	national	32.9
Rwanda	2000	DHS 2000	national	4.6
		MICS 2000	national	7.1
São Tomé and Príncipe	2000	MICS 2000	national	60.7
Senegal	2000	MICS 2000	national	35.9
Sierra Leone	2000	MICS 2000	national	59.6
Somalia	1999	MICS 1999	national	18.5
Sudan	2000	MICS 2000	national	49.4

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	57.1	56.8	57.6	55.6	52.4	58.7	60.0	55.5	57.7
	57.5	60.5	60.3	58.5	—	—	—	—	—
	—	—	52.3	47.1	35.9	43.9	49.0	56.9	55.1
	22.8	23.9	25.0	23.2	14.8	27.5	24.6	21.2	26.0
	47.4	49.3	48.3	48.3	41.7	46.8	47.8	59.8	47.8
	65.3	66.1	71.4	62.7	57.7	62.3	68.8	70.6	73.1
	30.1	32.0	39.9	28.8	20.0	33.8	28.9	32.7	39.5
	60.7	62.2	63.0	61.1	48.4	66.6	60.3	67.4	64.6
	55.8	56.9	67.4	48.9	40.9	53.7	59.6	72.0	67.1
	44.4	45.5	49.2	43.2	40.7	43.8	47.8	45.9	45.9
	40.0	42.7	43.6	39.5	40.2	41.4	43.2	39.9	42.7
	3.4	1.3	2.8	2.3	1.5	1.8	2.5	4.9	0.9
	—	—	—	—	—	—	—	—	—
	—	—	35.6	49.1	—	—	—	—	—
	58.9	50.4	57.0	53.1	54.9	54.4	54.7	58.1	47.4
	58.0	60.5	61.7	57.9	55.2	52.1	64.0	69.6	56.3
	57.4	59.1	71.5	51.7	43.7	56.0	57.1	61.7	76.2
	3.7	3.0	2.6	3.5	6.5	4.7	1.7	0.9	2.1
	44.9	40.7	35.7	44.5	43.4	39.8	46.8	44.0	41.7
	29.5	29.9	23.3	30.8	28.1	31.2	30.4	30.5	21.2
	—	—	0.5	1.4	—	—	—	—	—
	—	—	52.1	34.4	—	—	—	—	—
	28.6	27.9	22.0	32.4	—	—	—	—	—
	20.0	22.7	25.9	17.8	—	—	—	—	—
	—	—	12.7	15.7	—	—	—	—	—
	14.7	14.0	6.3	19.2	—	—	—	—	—
	48.7	47.4	59.0	47.1	41.6	43.3	49.2	47.7	64.9
	31.6	34.1	37.6	31.1	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	8.2	6.1	11.9	6.5	5.0	5.9	7.3	6.7	26.9
	61.9	60.2	61.2	61.1	60.6	51.7	59.4	62.9	61.8
	34.4	37.5	49.0	23.3	25.4	30.0	32.6	54.8	54.2
	60.6	58.6	58.3	60.0	52.5	58.5	62.7	63.6	62.1
	18.7	18.4	11.1	24.4	—	—	—	—	—
	50.6	48.1	59.4	41.6	45.0	47.5	48.4	45.9	54.9

Data Table 14, *continued***AFRICA, *continued***

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Swaziland	2000	MICS 2000	national	22.6	
Togo	2000	MICS 2000	national	59.2	
Tanzania	1999	DHS 1999	national	52.9	
Zambia	2002	DHS 2002–03	national	49.7	
	2000	MICS 1999	national	—	
	1999	MICS 1999	national	56.4	

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Azerbaijan	2000	MICS 2000	national	—	
Indonesia	2000	MICS 2000	national	3.3	
Iraq	2000	MICS 2000	national	0.9	
Lao PDR	2000	National Health Survey 2002	national	8.7	
Tajikistan	2000	MICS 2000	national	67.2	
Timor Leste	2002	MICS 2002	national	42.7	
Vietnam	2000	MICS 2000	national	3.7	

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Guatemala	1999	MICS	national	18.0	
Guyana	2000	MICS 2000	national	2.1	
Haiti	2000	DHS 2000	national	11.7	
Nicaragua	2001	DHS 2001	national	1.6	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	25.4	18.9	28.0	21.8	30.1	12.0	25.8	28.1	18.8
	59.9	58.5	61.4	58.6	56.6	57.5	60.3	59.9	68.5
	—	—	—	—	—	—	—	—	—
	—	—	46.0	50.9	—	—	—	—	—
	—	—	—	—	50.2	50.4	65.5	54.7	62.4
	56.6	56.2	56.2	56.5	—	—	—	—	—

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	—	—	—	—	—	—	—	—	—
	2.4	4.2	2.2	3.6	—	—	—	—	—
	0.8	1.1	0.8	1.1	—	—	—	—	—
	7.4	7.9	2.1	10.1	8.3	14.0	9.5	2.4	10.6
	61.1	76.0	100.0	66.7	56.5	85.7	71.4	62.5	100.0
	42.2	43.3	51.8	40.5	38.0	36.6	45.2	41.9	58.4
	4.1	3.3	5.9	3.2	4.7	5.1	0.4	3.9	5.1

	GENDER		RESIDENCE	
	MALE	FEMALE	URBAN	RURAL
	—	—	22.7	—
	—	4.3	—	2.1
	12.6	10.8	7.3	13.2
	—	—	—	—

Data Table 15: Percentage of Febrile Children under Five Years Old That Received Treatment with Sulfadoxine Pyrimethamine (SP), by Background Characteristics

AFRICA

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Angola	2001	MICS 2001	national	1.4	
Benin	2001	DHS 2001	national	0.9	
Burkina Faso	2003	DHS 2003	national	0.2	
Burundi	2000	MICS 2000	national	1.6	
Cameroon	2000	MICS 2000	national	1.4	
Central African Republic	2000	MICS 2000	national	0.3	
Chad	2000	MICS 2000	national	1.2	
Comoros	2000	MICS 2000	national	4.0	
Côte d'Ivoire	2000	MICS 2000	national	2.5	
Congo, Dem. Rep. of	2001	MICS 2001	national	0.8	
Eritrea	2002	DHS 2002	national	0.5	
Ethiopia	2000	DHS 2000	national	0.7	
Gambia, The	2000	MICS 2000	national	3.1	
Ghana	2003	DHS 2003	national	0.3	
Guinea-Bissau	2000	MICS 2000	national	2.5	
Kenya	2003	DHS 2003	national	11.1	
	2000	MICS 2000	national	26.3	
Madagascar	2000	MICS 2000	national	0.7	
Malawi	2000	DHS 2000	national	23.2	
Mauritania	2004	DHS 2003–04	national	0.7	
Mozambique	2003	HDS 2003	subnational	10.7	
Niger	2000	MICS 2000	national	0.1	
Nigeria	2003	DHS 2003	national	0.4	
Rwanda	2000	DHS 2000	national	1.2	
		MICS 2000	national	2.3	
São Tomé and Príncipe	2000	MICS 2000	national	0.8	
Senegal	2000	MICS 2000	national	0.5	
Sierra Leone	2000	MICS 2000	national	4.3	
Somalia	1999	MICS 1999	national	—	
Sudan	2000	MICS 2000	national	1.4	
Swaziland	2000	MICS 2000	national	5.7	
Togo	2000	MICS 2000	national	3.4	
Tanzania	1999	DHS 1999	national	—	
Zambia	2002	DHS 2002–03	national	2.4	
	2000	MICS 1999	national	—	
	1999	MICS 1999	national	2.4	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	1.6	1.2	1.0	2.4	1.0	0.7	1.6	2.5	0.8
	0.7	1.0	0.4	1.0	—	—	—	—	—
	—	—	0.9	0.2	—	—	—	0.6	1.0
	1.8	1.5	—	1.8	1.1	2.5	1.8	1.0	1.6
	1.6	1.1	1.8	1.2	—	2.1	1.8	2.3	0.8
	0.3	0.3	0.5	0.2	0.2	0.2	—	0.5	0.5
	1.0	1.5	1.9	1.1	1.7	0.5	1.8	0.9	1.7
	4.1	3.8	3.8	4.0	4.3	3.7	3.9	3.7	4.3
	3.0	1.9	2.5	2.4	1.6	2.1	4.1	2.3	2.4
	0.9	0.7	1.0	0.7	0.2	0.6	0.4	2.2	0.8
	0.5	0.4	0.3	0.6	0.3	0.6	0.7	0.7	—
	—	—	—	—	—	—	—	—	—
	4.0	2.4	3.9	2.7	4.0	3.0	3.2	2.5	2.7
	0.5	—	0.8	—	—	—	—	0.6	1.0
	2.7	2.2	3.4	2.0	0.7	0.9	3.8	3.4	3.7
	11.9	10.2	7.6	11.9	11.1	12.5	15.1	8.3	7.6
	25.7	28.9	33.9	25.8	23.5	29.6	21.7	24.8	39.9
	1.2	0.2	—	0.8	—	0.5	1.3	1.8	1.8
	—	—	27.6	22.8	—	—	—	—	—
	1.2	—	0.6	0.8	—	—	—	—	—
	—	—	9.2	11.3	—	—	—	—	—
	0.2	—	0.2	0.1	—	—	—	0.3	0.1
	0.5	0.6	0.4	0.4	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	2.7	1.9	0.2	2.5	1.7	1.8	2.0	3.6	0.6
	0.3	1.3	1.0	0.6	—	—	—	—	1.0
	0.6	0.3	—	0.3	—	0.2	0.5	0.5	2.1
	4.3	4.3	6.7	3.6	2.7	1.6	4.9	7.7	5.6
	—	—	—	—	—	—	—	—	—
	1.9	0.8	2.0	0.9	0.8	0.6	1.6	1.0	2.0
	7.7	4.5	—	9.9	25.2	4.3	4.3	—	—
	2.8	4.0	4.5	3.1	2.6	2.0	3.1	3.5	10.9
	—	—	—	—	—	—	—	—	—
	—	—	4.7	1.7	—	—	—	—	—
	—	—	—	—	2.4	0.1	1.9	3.5	6.6
	2.6	2.2	3.2	2.2	—	—	—	—	—

Data Table 15, *continued***ASIA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Indonesia	2000	MICS 2000	national	0.3
Iraq	2000	MICS 2000	national	0.3
Lao PDR	2000	National Health Survey 2002	national	—
Tajikistan	2000	MICS 2000	national	57.4
Timor Leste	2002	MICS 2002	national	11.9
Vietnam	2000	MICS 2000	national	1.4

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL
Guyana	2000	MICS 2000	national	0.5
Nicaragua	2001	DHS 2001	national	0.2

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	0.2	0.4	0.4	0.2	—	—	—	—	—
	0.2	0.3	0.3	0.2	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	55.6	60.0	—	58.3	56.5	71.4	52.4	62.5	50.0
	12.2	11.5	11.7	11.9	13.3	12.3	5.7	14.3	14.1
	1.4	1.4	0.5	1.6	1.4	4.4	0.4	—	—

	GENDER		RESIDENCE	
	MALE	FEMALE	URBAN	RURAL
	1.0	—	—	0.5
	—	—	—	—

Data Table 16: Percentage of Febrile Children under Five Years Old That Received Treatment with Any Antimalarial, by Background Characteristics**AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Angola	2001	MICS 2001	national	63.0	
Benin	2001	DHS 2001	national	60.4	
Burkina Faso	2003	DHS 2003	national	49.6	
	1993	DHS 1992–93	national	31.5	
Burundi	2000	MICS 2000	national	31.3	
Cameroon	2000	MICS 2000	national	66.1	
Central African Republic	2000	MICS 2000	national	68.8	
Chad	2000	MICS 2000	national	31.9	
Comoros	2000	MICS 2000	national	62.7	
Côte d'Ivoire	2000	MICS 2000	national	57.5	
Congo, Dem. Rep. of	2001	MICS 2001	national	45.4	
Equatorial Guinea	2000	MICS 2000	national	48.6	
Eritrea	2002	DHS 2002	national	3.6	
Ethiopia	2001	RBM 2001	14 districts	73.7	
	2000	DHS 2000	national	3.0	
Gambia, The	2000	MICS 2000	national	55.2	
Ghana	2003	DHS 2003	national	62.8	
	1998	DHS 1998–99	national	60.7	
Guinea-Bissau	2000	MICS 2000	national	58.4	
Kenya	2003	DHS 2003	national	26.5	
	2000	MICS 2000	national	64.5	
	1998	DHS 1998	national	40.4	
Madagascar	2000	MICS 2000	national	60.7	
Malawi	2004	MoH 2004	national	31.6	
	2000	DHS 2000	national	27.0	
Mauritania	2004	DHS 2003–04	national	33.4	
Mozambique	2003	HDS 2003	subnational	14.8	
Namibia	2000	DHS 2000	national	14.4	
Niger	2000	MICS 2000	national	48.1	
Nigeria	2003	DHS 2003	national	33.8	
Rwanda	2000	DHS 2000	national	9.2	
		MICS 2000	national	12.6	
São Tomé and Príncipe	2000	MICS 2000	national	61.2	
Senegal	2000	MICS 2000	national	36.2	
Sierra Leone	2000	MICS 2000	national	60.7	
Somalia	1999	MICS 1999	national	18.5	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	63.1	62.8	63.1	62.7	57.8	64.2	64.2	65.0	62.7
	59.0	62.0	62.3	59.7	—	—	—	—	—
	—	—	60.1	48.4	36.5	44.7	49.7	59.3	62.7
	33.3	29.6	39.1	30.5	—	—	—	—	—
	30.2	32.6	41.7	30.6	23.9	34.2	29.8	28.8	37.4
	67.0	65.1	70.8	64.4	59.1	66.7	61.0	76.7	70.8
	69.0	68.6	75.8	65.2	59.3	64.6	71.6	74.7	79.0
	30.9	32.8	41.2	29.5	21.1	34.3	29.5	33.5	40.5
	62.2	63.1	65.2	62.1	51.2	67.5	60.7	67.9	66.3
	57.0	58.0	68.6	49.8	41.9	54.3	60.8	73.2	69.5
	44.9	45.9	49.6	43.7	40.9	44.3	47.8	46.9	46.7
	47.2	50.2	55.2	42.9	44.2	45.2	53.8	49.1	53.2
	4.2	2.9	4.0	3.5	2.4	3.3	4.2	5.8	1.5
	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—
	59.6	51.0	58.0	53.5	54.9	56.0	56.5	58.1	47.4
	62.1	63.5	65.2	61.4	59.0	55.4	65.0	76.9	58.3
	60.7	60.7	60.1	60.9	—	—	—	—	—
	57.5	59.4	71.9	51.7	43.7	56.0	57.3	61.8	76.8
	27.5	25.5	21.5	27.7	27.5	31.6	28.7	24.9	18.2
	65.6	63.4	63.6	64.7	64.0	62.7	63.7	62.4	75.8
	39.9	40.8	35.2	41.5	—	—	—	—	—
	59.3	62.3	61.9	60.5	66.0	55.9	64.2	58.2	52.7
	—	—	39.3	31.0	—	—	—	—	—
	—	—	33.7	26.3	—	—	—	—	—
	34.0	32.6	26.7	37.7	—	—	—	—	—
	—	—	12.7	12.7	—	—	—	—	—
	14.7	14.0	6.3	19.2	—	—	—	—	—
	48.7	47.4	59.0	47.1	41.6	43.3	49.2	47.7	64.9
	32.5	35.2	38.5	32.2	—	—	—	—	—
	—	—	11.5	9.0	—	—	—	—	—
	14.5	11.1	20.7	11.7	8.8	10.0	12.0	16.0	30.4
	62.2	60.8	61.9	61.4	60.6	51.7	59.4	62.9	62.4
	34.9	37.6	52.7	30.1	25.4	30.0	33.1	54.8	56.1
	61.4	59.9	60.8	60.7	53.3	58.5	63.9	65.2	64.4
	18.7	18.4	11.1	24.4	—	—	—	—	—

Data Table 16, *continued***AFRICA**

COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Sudan	2000	MICS 2000	national	50.2	
Swaziland	2000	MICS 2000	national	25.5	
Togo	2000	MICS 2000	national	60.0	
Tanzania	1999	DHS 1999	national	53.4	
Zambia	2002	DHS 2002–03	national	51.9	
	1999	MICS 1999	national	58.0	

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Azerbaijan	2000	MICS 2000	national	0.8	
Indonesia	2000	MICS 2000	national	4.4	
Iraq	2000	MICS 2000	national	1.3	
Lao PDR	2000	National Health Survey 2002	national	8.7	
Tajikistan	2000	MICS 2000	national	68.9	
Timor Leste	2002	MICS 2002	national	47.7	
Vietnam	2000	MICS 2000	national	6.5	

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COUNTRY	YEAR	SOURCE	SCALE	TOTAL	
Guyana	2000	MICS 2000	national	2.6	

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	51.7	48.5	60.6	42.1	32.1	41.3	54.6	61.3	75.3
	27.1	23.9	28.4	26.9	35.1	16.2	28.3	27.7	18.7
	60.2	59.8	62.2	59.4	56.8	58.1	61.3	61.2	70.0
	54.3	52.4	61.7	51.6	—	—	—	—	—
	52.8	51.0	49.3	52.7	—	—	—	—	—
	58.2	57.8	57.9	58.0	52.6	50.4	66.7	56.9	65.5

	GENDER		RESIDENCE		WEALTH QUINTILE				
	MALE	FEMALE	URBAN	RURAL	POOREST	SECOND	MIDDLE	FOURTH	RICHEST
	1.4	—	0.8	0.8	—	—	2.6	1.7	—
	3.6	5.2	5.7	3.6	—	—	—	—	—
	1.1	1.5	1.1	1.7	—	—	—	—	—
	7.4	7.9	2.1	10.1	8.3	14.0	9.5	2.4	10.6
	63.9	76.0	100.0	68.3	60.9	85.7	71.4	62.5	100.0
	46.6	48.2	55.8	45.3	44.0	41.2	47.9	49.4	60.8
	7.4	5.6	10.3	5.7	8.1	7.0	2.6	6.1	10.2

	GENDER		RESIDENCE	
	MALE	FEMALE	URBAN	RURAL
	1.0	4.3	2.6	

Data Table 17: Summary of Antimalarial Drug Efficacy Results, Expressed as Treatment Failure**MONOTHERAPY***Chloroquine***AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Angola	2002	6	41.8	8.2	54.1	14.8	52.1
Benin	1998–2002	14	19.4	3.4	47.6	14.1	23.2
Botswana	1997–2000	6	24.4	20.7	44.0	20.7	44.0
Burkina Faso	1996–2003	24	12.0	5.3	35.5	10.0	21.7
Burundi	2001	4	69.2	52.4	73.7	58.9	73.4
Cameroon	1994–2001	12	33.0	2.0	66.6	15.9	58.2
Central African Republic	1997–1998	5	20.8	19.0	57.1	19.3	39.6
Chad	1999–2003	3	21.5	14.2	67.4	14.2	67.4
Comoros	1997–2001	9	57.1	31.2	75.0	42.4	67.3
Congo	1999–2001	2	44.0	38.0	50.0	38.0	50.0
Côte d'Ivoire	1997–2002	26	16.4	1.8	43.1	11.4	19.3
Congo, Dem. Rep. of	2000–2001	7	48.0	29.4	80.0	34.0	50.0
Equatorial Guinea	1996–1999	2	48.9	42.1	55.6	42.1	55.6
Eritrea	1997–2001	29	42.8	12.6	66.6	28.6	47.3
Ethiopia	1996–1998	18	70.0	5.0	97.8	55.8	85.2
Gabon	2001	2	57.1	52.2	62.0	52.2	62.0
Gambia	1998–2003	4	12.2	2.9	28.2	6.1	21.6
Ghana	1998–2003	9	23.2	9.0	31.3	15.8	29.7
Guinea	1996–2001	8	15.6	7.7	28.3	9.9	22.6
Guinea-Bissau	2001	3	6.8	5.4	10.9	5.4	10.9
Kenya	1996–1999	7	65.8	15.2	84.8	31.7	80.4
Liberia	1999	2	25.9	22.5	29.2	22.5	29.2
Madagascar	1996–2004	13	9.5	0.0	25.6	6.9	17.1
Mali	1996–2003	19	11.0	2.0	24.3	4.2	13.0
Mauritania	1998	2	24.0	11.6	36.4	11.6	36.4
Mozambique	1998–2001	20	35.9	13.0	53.0	22.1	42.9
Namibia	1997–2003	9	19.0	4.0	66.7	6.5	35.1
Niger	1998–2001	2	19.2	17.4	20.9	17.4	20.9
Nigeria	1998–2002	11	25.8	2.0	53.7	13.6	38.7
Rwanda	1997–2000	6	52.4	18.5	60.6	33.2	59.2
Senegal	1996–2002	19	12.9	2.7	30.7	10.1	16.6
Sierra Leone	1998–2003	7	34.5	26.3	58.5	32.0	51.5
Somalia	1997–2003	5	51.0	27.5	78.0	30.4	74.0
South Africa	1997	4	53.8	40.0	62.5	44.2	60.8
Sudan							
High transmission area	1996–2003	5	53.1	16.6	60.7	32.4	59.4
Moderate/low transmission area	1996–2003	24	50.0	0.0	80.3	33.8	65.6
Swaziland	2000	1	12.5				
Togo	1998–2001	6	6.1	0.0	28.8	1.6	23.7
Uganda	1996–2001	18	29.3	7.5	81.2	16.4	58.7
Tanzania							
Mainland	1997–2001	8	43.0	27.6	71.0	36.6	53.5
Zanzibar	1997–2001	2	60.5	60.2	60.8	60.2	60.8

Data Table 17—Chloroquine, continued

AFRICA, continued

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Zambia	1996–2002	22	31.9	6.6	54.0	24.6	46.3
Zimbabwe	1999–2003	28	10.8	0.0	42.3	5.0	19.9
TOTAL: Africa	1994–2004	433	24.0	0.0	97.8	12.6	43.9

Notes: Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Afghanistan	1999–2002	4	67.7	60.0	89.5	61.7	80.8
Bangladesh	1996–1999	3	63.6	50.0	77.2	50.0	77.2
Bhutan	1997	4	78.1	64.7	80.7	70.8	80.0
China	1997–1999	2	29.6	18.4	40.7	18.4	40.7
India	1996–2004	25	34.0	0.0	95.9	23.6	65.4
Indonesia	1995–2003	18	69.5	11.1	100.0	49.5	78.3
Iran, Islamic Rep.	2000–2002	4	72.5	61.0	75.0	66.4	74.2
Lao PDR	1998–2002	5	44.8	31.3	52.8	36.7	49.5
Malaysia	2003	1	58.7				
Myanmar	1997–2002	18	24.7	6.0	76.0	12.5	34.7
Pakistan	2001–2002	13	28.9	18.2	79.0	25.9	66.6
Philippines	1996–2000	9	42.1	16.4	76.2	32.1	52.0
Saudi Arabia	1997–1998	2	15.4	12.4	18.4	12.4	18.4
Solomon Islands	1997–2001	5	27.8	10.7	66.7	12.2	49.8
Sri Lanka	2002–2003	2	31.8	10.0	53.5	10.0	53.5
Tajikistan	2002	1	56.0				
Timor Leste	2000	1	66.7				
Vietnam	1997–2001	4	52.3	6.2	71.9	27.0	64.3
Yemen	1998–2003	9	42.4	9.0	57.0	23.3	44.9
TOTAL: Asia	1995–2004	130	44.1	0.0	100.0	26.3	66.7

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Colombia	1997–1998	5	66.6	44.5	96.6	47.3	83.7
Ecuador	1998–2003	4	85.4	83.3	94.4	84.2	90.1
Guyana	1998	1	55.6				
Peru	1998–2002	6	86.4	75.6	90.0	78.3	89.8
Venezuela	1997–2002	5	48.6	0.0	100.0	13.1	88.6
TOTAL: The Americas	1997–2003	21	81.0	0.0	100.0	52.8	88.8

Data Table 17, *continued**Sulfadoxine pyrimethamine***AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Angola	2002–2003	8	5.7	0.0	28.2	2.7	8.8
Benin	2002	5	9.5	1.6	17.2	4.8	16.8
Burkina Faso	1998–2003	9	0.8	0.0	6.3	0.0	4.3
Burundi	2001	4	30.8	10.9	52.8	20.2	42.4
Cameroon	1997–2003	8	9.0	0.0	14.1	6.7	11.0
Chad	2002–2003	2	11.7	4.0	19.4	4.0	19.4
Comoros	2004	2	1.5	0.0	3.0	0.0	3.0
Congo	1999–2002	3	0.0	0.0	9.5	0.0	9.5
Côte d'Ivoire	1999	2	14.8	5.9	23.6	5.9	23.6
Congo, Dem. Rep. of	2000–2004	12	9.3	0.0	30.2	4.4	18.3
Equatorial Guinea	1996–1999	2	5.0	0.0	10.0	0.0	10.0
Eritrea	2001–2002	6	3.1	0.0	15.4	0.0	10.3
Ethiopia	1997–2003	17	10.3	0.0	44.9	2.0	26.1
Gabon	2000	1	4.4				
Ghana	1998–2003	3	3.0	0.0	5.2	0.0	5.2
Kenya	1996–2003	27	8.4	0.0	51.6	3.4	17.9
Madagascar	2003	1	0.0				
Malawi	1998–2002	15	18.6	2.8	40.0	16.6	33.3
Mali	2001–2003	3	0.6	0.0	2.0	0.0	2.0
Mozambique	1998–2002	10	5.4	0.2	17.3	2.7	13.7
Namibia	1997–2003	5	8.8	0.0	22.8	0.0	18.6
Nigeria	2001–2002	7	9.3	5.7	43.5	7.7	40.5
Rwanda	2000	3	35.1	11.6	35.7	11.6	35.7
Senegal	2001–2002	7	3.3	1.7	10.2	2.0	5.8
Sierra Leone	2001–2003	5	11.2	7.8	23.4	9.1	17.7
Somalia	1997–2003	3	4.0	2.0	5.9	2.0	5.9
South Africa	1997–2002	6	7.3	3.6	87.8	3.7	55.7
Sudan							
High transmission area	1996–2003	3	6.0	0.0	12.0	0.0	12.0
Moderate/low transmission area	1996–2003	7	4.1	0.0	22.0	1.0	9.9
Uganda	1996–2002	25	11.4	0.0	25.0	5.0	16.8
Tanzania							
Mainland	1997–2002	15	10.5	1.4	33.8	5.6	16.9
Zanzibar	1997–2002	2	8.9	4.7	13.1	4.7	13.1
Zambia	1996–2003	17	7.9	0.0	17.9	3.3	14.2
Zimbabwe	1999	2	10.0	0.0	20.0	0.0	20.0
TOTAL: Africa	1996–2004	247	8.6	0.0	52.8	3.3	16.6

Data Table 17—*Sulfadoxine pyrimethamine, continued***ASIA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Afghanistan	2002–2003	3	8.7	4.0	22.7	4.0	22.7
Bhutan	1998	1	34.8				
India	1999–2003	12	17.9	0.0	68.2	3.0	45.4
Indonesia	1996–2003	12	17.8	0.0	82.9	12.0	43.0
Iran, Islamic Rep.	1999–2001	3	0.0	0.0	5.7	0.0	5.7
Lao PDR	2001–2002	3	18.0	17.9	18.7	17.9	18.7
Malaysia	1996	1	29.4				
Myanmar	1997–2002	18	27.8	0.0	100.0	7.9	37.7
Nepal	1997–2003	7	22.0	0.0	88.2	0.0	72.7
Pakistan	2001–2002	4	13.0	8.7	18.7	9.8	16.9
Philippines	2000–2001	7	42.6	8.5	66.7	12.5	60.6
Tajikistan	2002	1	16.0				
Timor Leste	2001	1	10.0				
Vietnam	1997–2002	4	12.7	5.5	70.6	8.9	41.9
Yemen	2003	1	0.0				
TOTAL: Asia	1996–2003	78	18.4	0.0	100.0	8.5	40.8

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bolivia	2002	1	18.7				
Colombia	1997–2002	12	10.8	0.0	26.5	1.9	15.8
Ecuador	2001–2003	3	4.0	0.0	17.1	0.0	17.1
Peru	1998–2002	9	11.8	0.0	80.0	1.7	65.2
Venezuela	1997–1999	3	20.0	0.0	23.0	0.0	23.0
TOTAL: The Americas	1997–2003	28	12.2	0.0	80.0	1.7	19.4

Data Table 17, *continued***Amodiaquine****AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Angola	2002–2003	2	8.7	3.9	13.4	3.9	13.4
Burkina Faso	1996	1	4.4				
Cameroon	1997–2003	9	1.6	0.0	5.3	0.0	3.2
Chad	2002–2003	2	3.4	1.9	4.9	1.9	4.9
Ethiopia	1998	7	18.9	6.2	66.7	6.5	45.8
Gabon	1997–2002	5	12.5	3.2	14.0	7.9	14.0
Kenya	1996–2003	24	2.4	0.0	23.1	0.0	8.3
Liberia	2001	1	7.4				
Madagascar	2004	1	0.0				
Mozambique	2001	1	8.4				
Nigeria	2001–2002	2	1.5	0.0	2.9	0.0	2.9
Rwanda	2001–2002	6	0.0	0.0	2.3	0.0	2.0
Senegal	2001–2002	3	2.8	2.0	5.1	2.0	5.1
Sierra Leone	2002–2003	5	1.8	0.0	7.6	0.0	5.8
Sudan							
High transmission area	2001	2	6.5	6.0	7.0	6.0	7.0
Uganda	1999–2002	5	8.8	0.0	14.5	1.6	12.3
Tanzania							
Mainland	1999–2002	12	3.7	0.0	10.8	1.6	6.9
Zanzibar	1999–2002	2	5.6	4.7	6.5	4.7	6.5
TOTAL: Africa	1996–2004	90	3.3	0.0	66.7	0.0	8.4

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Afghanistan	2004	1	37.7				
Pakistan	2002	1	83.3				
TOTAL: Asia	2002–2004	2	60.5	37.7	83.3	37.7	83.3

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Colombia	1997–2002	7	11.5	0.0	50.0	3.2	27.3
TOTAL: The Americas	1997–2002	7	11.5	0.0	50.0	3.2	27.3

Data Table 17, *continued***Mefloquine****AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Malawi	1998	1	10.2				
Sudan Moderate/low transmission area	1999	1	2.5				
TOTAL: Africa	1998–1999	2	2.5	2.5	2.5	2.5	2.5

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bangladesh	1996	1	27.2				
Bhutan	1999	1	9.7				
India	1996–2001	3	4.5	0.0	7.8	0.0	7.8
Lao PDR	2001	1	0.0				
Malaysia	1996	1	0.0				
Myanmar	1997–2002	18	6.0	0.0	44.4	0.0	16.4
Thailand	1995–2003	19	13.8	2.0	68.4	7.5	28.0
Vietnam	1998–1999	4	11.7	0.0	42.3	0.0	32.8
TOTAL: Asia	1995–2003	48	8.0	0.0	68.4	2.7	18.5

THE AMERICAS

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bolivia	2001	2	0.0	0.0	0.0	0.0	0.0
Brazil	1996–2002	6	5.2	0.0	9.7	0.5	7.9
Colombia	2002–2003	3	2.2	0.0	6.4	0.0	6.4
French Guiana	1996	1	3.4				
Guyana	2003	1	28.1				
Peru	1999–2000	4	0.0	0.0	0.0	0.0	0.0
Suriname	2002	1	7.3				
TOTAL: The Americas	1996–2003	18	1.6	0.0	28.1	0.0	6.2

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

Data Table 17, *continued***COMBINATION THERAPY*****Chloroquine sulfadoxine pyrimethamine*****AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Comoros	2003	3	0.0	0.0	2.6	0.0	2.6
Eritrea	2002–2003	4	6.5	0.0	10.2	1.9	9.7
Rwanda	2000	6	13.2	6.1	39.7	8.1	37.7
Sudan Moderate/low transmission area	2003	2	10.2	5.9	14.4	5.9	14.4
Uganda	1996–2003	15	12.0	0.0	37.0	7.0	19.0
Zimbabwe	2001–2004	25	1.1	0.0	8.6	0.0	3.9
TOTAL: Africa	1996–2004	55	4.3	0.0	39.7	0.5	10.1

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bangladesh	1996–2003	7	30.7	12.9	37.2	24.0	33.0
India		1	6.5				
Indonesia	1999–2003	2	22.2	6.2	38.2	6.2	38.2
Lao PDR	2001	2	12.3	7.8	16.7	7.8	16.7
Malaysia	1999–2003	4	47.6	32.6	62.5	38.2	57.0
Papua New Guinea	1998–2003	4	0.0	0.0	27.0	0.0	13.5
Philippines	2001–2002	3	18.4	11.1	29.6	11.1	29.6
Tajikistan	2003	1	2.1				
Vanuatu	2001	1	16.0				
TOTAL: Asia	1996–2003	25	24.0	0.0	62.5	7.2	33.0

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Colombia	2002	2	17.4	12.1	22.6	12.1	22.6
Ecuador	2003	1	0.0				
TOTAL: The Americas	2002–2003	3	12.1	0.0	22.6	0.0	22.6

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

Data Table 17, *continued****Amodiaquine sulfadoxine pyrimethamine*****AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Cameroon	2001–2003	4	0.0	0.0	0.0	0.0	0.0
Congo, Dem. Rep. of	2002–2004	5	1.7	0.0	6.0	0.7	4.4
Ghana	2002	1	1.4				
Kenya	2003	2	2.0	1.6	2.4	1.6	2.4
Mozambique	2001	1	0.0				
Rwanda	2001	3	0.0	0.0	0.0	0.0	0.0
Senegal	2001–2003	4	0.0	0.0	0.0	0.0	0.0
Uganda	1999–2003	12	1.6	0.0	13.0	0.5	3.5
Tanzania Mainland	1999	1	3.4				
TOTAL: Africa	1999–2004	33	1.0	0.0	13.0	0.0	2.2

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Afghanistan	2003–2004	2	2.0	1.0	3.0	1.0	3.0
Papua New Guinea	1998	1	0.0				
TOTAL: Asia	1998–2004	3	1.0	0.0	3.0	0.0	3.0

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Colombia	2001–2003	4	2.3	0.0	10.8	1.1	6.6
TOTAL: The Americas	2001–2003	4	2.3	0.0	10.8	1.1	6.6

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

Data Table 17, *continued**Artemether lumefantrine***AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Burundi	2001	2	0.0	0.0	0.0	0.0	0.0
Comoros	2004	3	0.0	0.0	1.8	0.0	1.8
Ethiopia	2003	4	0.0	0.0	0.0	0.0	0.0
Gabon	2001–2002	2	0.8	0.0	1.6	0.0	1.6
Ghana	2003	1	0.0				
Senegal	2003	1	0.0				
South Africa	2002	1	0.0				
Tanzania							
Zanzibar	2002	2	1.0	0.0	2.0	0.0	2.0
Zambia	2003	3	0.0	0.0	0.0	0.0	0.0
TOTAL: Africa	2001–2004	19	0.0	0.0	2.0	0.0	0.0

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bangladesh	2002	1	0.8				
Cambodia	2001–2004	3	26.9	13.5	30.0	13.5	30.0
Lao PDR	2001–2003	2	4.7	3.1	6.3	3.1	6.3
Myanmar	2003	3	2.0	0.0	2.0	0.0	2.0
Thailand	1996–2002	6	2.6	0.0	3.9	0.5	3.5
Vietnam	2001	1	2.2				
TOTAL: Asia	1996–2004	16	2.6	0.0	30.0	1.5	5.1

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Suriname	2003	2	2.0	1.9	2.0	1.9	2.0
TOTAL: The Americas	2003	2	2.0	1.9	2.0	1.9	2.0

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

Data Table 17, *continued**Artesunate amodiaquine***AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Angola	2003	1	0.0				
Burundi	2001	2	1.3	0.0	2.6	0.0	2.6
Comoros	2003	3	0.0	0.0	0.0	0.0	0.0
Congo, Dem. Rep. of	2003–2004	3	0.0	0.0	1.4	0.0	1.4
Eritrea	2002–2003	3	0.0	0.0	1.4	0.0	1.4
Gabon	2001–2002	2	0.9	0.0	1.7	0.0	1.7
Ghana	2003	1	0.0				
Mozambique	2001	1	0.0				
Rwanda	2002	3	0.0	0.0	1.6	0.0	1.6
Senegal	2002	2	0.0	0.0	0.0	0.0	0.0
Sudan							
High transmission area	2003	2	0.4	0.0	0.8	0.0	0.8
Uganda	2002–2003	5	1.0	0.0	4.0	0.5	3.7
Tanzania							
Zanzibar	2002	2	1.9	1.8	1.9	1.8	1.9
TOTAL: Africa	2001–2004	30	0.0	0.0	4.0	0.0	1.5

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Myanmar	2003	4	4.0	3.0	7.0	3.5	5.5
Pakistan	2002	1	18.0				
TOTAL: Asia	2002–2003	5	4.0	3.0	18.0	3.5	12.5

Data Table 17, *continued**Artesunate chloroquine***AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Gambia	2000	1	3.2				
TOTAL: Africa	2000	1	3.2	3.2	3.2	3.2	3.2

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Pakistan	2002	1	28.8				
Vietnam		2	37.4	28.0	46.8	28.0	46.8
TOTAL: Asia	2002	3	28.8	28.0	46.8	28.0	46.8

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

Data Table 17, *continued***Artesunate sulfadoxine pyrimethamine****AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Angola	2003	1	1.2				
Comoros	2003	3	0.0	0.0	3.6	0.0	3.6
Congo, Dem. Rep. of	2002–2004	6	0.0	0.0	5.6	0.0	3.4
Ghana	2002	1	0.8				
Mozambique	2001	1	0.0				
Rwanda	2001	3	0.0	0.0	0.0	0.0	0.0
South Africa	2004	1	5.0				
Sudan High transmission area	2003	2	1.7	0.8	2.5	0.8	2.5
Uganda	2000	1	0.5				
Zambia	2002–2003	5	0.0	0.0	1.7	0.0	0.9
TOTAL: Africa	2000–2004	24	0.0	0.0	5.6	0.0	1.1

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Indonesia	1999	1	4.3				
Myanmar	2003	2	0.0	0.0	0.0	0.0	0.0
Pakistan	2002	1	0.0				
Sri Lanka	1999	1	0.0				
Vietnam		2	33.2	8.3	58.1	8.3	58.1
TOTAL: Asia	1999–2003	7	0.0	0.0	58.1	0.0	8.3

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Ecuador	2003	2	0.0	0.0	0.0	0.0	0.0
Peru	2000	1	1.1				
TOTAL: The Americas	2000–2003	3	0.0	0.0	1.1	0.0	1.1

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.

Data Table 17, *continued***Artesunate mefloquine****AFRICA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Senegal	2002	2	0.0	0.0	0.0	0.0	0.0
TOTAL: Africa	2002	2	0.0	0.0	0.0	0.0	0.0

ASIA

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bangladesh	2002	1	0.9				
Cambodia	2001–2004	12	3.7	0.0	18.8	1.1	8.1
India	2001	2	6.4	1.9	10.9	1.9	10.9
Lao PDR	2001–2003	2	0.0	0.0	0.0	0.0	0.0
Myanmar	1996–2003	10	1.5	0.0	8.0	0.0	5.1
Thailand	1995–2003	35	4.0	0.0	27.2	1.3	8.1
Vietnam	1998–2000	2	5.6	0.0	11.1	0.0	11.1
TOTAL: Asia	1995–2004	64	3.2	0.0	27.2	0.3	7.9

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COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bolivia	2001	3	0.0	0.0	0.0	0.0	0.0
Guyana	2003	1	7.5				
Peru	2000	1	0.0				
Suriname	2002–2003	2	4.1	2.4	5.8	2.4	5.8
TOTAL: The Americas	2000–2003	7	0.0	0.0	7.5	0.0	5.8

Artesunate combinations**ASIA**

COUNTRY	STUDY YEARS	NUMBER OF STUDIES	MEDIAN	RANGE		PERCENTILE	
				LOW	HIGH	25TH	75TH
Bhutan	2000–2003	8	4.9	1.1	12.0	2.2	8.7
TOTAL: Asia	2000–2003	8	4.9	1.1	12.0	2.2	8.7

Notes:

Median, range, and quartiles are based on percentage clinical failure with at least 14-day follow up for countries in Africa south of the Sahara. For all other areas, including South Africa and moderate/low transmission areas of Sudan, percentage total failure is used.