

**Table 1:**

**Population Living in Malaria-Endemic Areas in the Americas, 1993–2003**  
(in thousands)

<i>Populations in Areas with Ecological Risk of Malaria Transmission</i>					
<b>Year</b>	<b>Malaria Transmission Risk</b>			<b>Total Population at Ecological Risk</b>	<b>Total Population of Countries</b>
	<i>Low*</i>	<i>Moderate</i>	<i>High</i>		
1994	160,947	32,967	37,409	231,323	763,305
1995	169,643	36,881	42,454	248,978	774,712
1996	210,519	41,332	46,277	298,128	786,055
1997	221,341	54,358	30,822	306,521	793,582
1998	220,702	48,537	39,084	308,323	803,546
1999	221,680	41,444	35,329	298,453	818,273
2000	207,099	44,999	41,098	293,196	832,863
2001	204,307	49,124	40,129	293,560	835,814
2002	187,972	41,814	32,596	262,382	849,361
<b>2003</b>	<b>225,847</b>	<b>45,001</b>	<b>31,980</b>	<b>302,981</b>	<b>858,563</b>

\* Information includes population in United States, Puerto Rico, Caribbean Region with historical ecological risk.

**TABLE 2a:**

**Imported Cases of Malaria in Countries with No Active Malaria Transmission**  
(population in thousands, 2003)

Countries	Total Population	Population at Low Risk*	Blood slides (number)	
			Examined	Positive
Anguilla	12	...	...	0
Antigua & Barbuda	70	...	3	0
Aruba	98	...	...	...
Bahamas	316	...	34	3
Barbados	269	...	...	...
Bermuda	64	...	...	...
Canada	31,600	...	...	364
Cayman Islands	37	...	...	...
Cuba	11,254	...	334,772	30
Chile	15,774	205	21	7
Curaçao	215	...	...	...
Dominica	70	...	0	0
Grenada	103	...	...	...
Guadeloupe	444	...	...	4
Jamaica	2,642	...	394	113
Martinique	381	...	...	...
Montserrat	5	...	0	0
Puerto Rico	3,879	...	1	1
St. Kitts & Nevis	45	...	0	0
St. Vincent & Grenadines	106	...	0	0
St. Lucia	159	...	1	1
Trinidad & Tobago	1,234	1,230	13,635	10
Turks and C. Islands	16	14	0	...
United States	290,810		546	538
Uruguay	3,164	...	...	90
Virgin Islands (U.K.)	20	...	...	0
Virgin Islands (USA)	122	...	...	...
<b>Subtotal</b>	<b>362,909</b>	<b>1,449</b>	<b>349,407</b>	<b>1,161</b>

\*Population living in areas where historically malaria is known to have occurred or with possibility of occurring.

(...) Information not available

**TABLE 2b:**

**Risk of Malaria Transmission in the Americas, 2003**  
(in thousands, by population)

Countries and Territories by Geographic Subregion	POPULATION IN AREAS WITH ECOLOGICAL RISK OF MALARIA TRANSMISSION								
	Total Population*	Low risk		Moderate risk		High risk		Total at risk	
		Total	%	Total	%	Total	%	Total	%
Mexico (2002)	102,055	16,941	16.60	18,034	17.67	19,673	19.28	54,648	53.55
Belize (2002)	250	...	0.00	...	0.00	...	0.00	153	61.20
Costa Rica	4,170	1,215	29.14	149	3.57	39	0.94	1,403	33.65
El Salvador	6,644	2,714	40.85	5	0.08	0	0.00	2,719	40.92
Guatemala	11,229	2,110	18.79	2,562	22.82	600	5.34	5,272	46.95
Honduras	6,854	2,324	33.91	2,286	33.35	1,813	26.45	6,423	93.71
Nicaragua	5,342	5,171	96.80	0	0.00	311	5.82	5,482	102.62
Panama	3,121	2,256	72.28	368	11.79	497	15.92	3,121	100.00
Haiti (2001)	8,000	3,242	40.53	4,758	59.48	0	0.00	8,000	100.00
Dominican Republic	9,234	9,023	97.71	156	1.69	55	0.60	9,234	100.00
French Guiana	157	53	33.72	8	5.09	10	6.36	71	45.17
Guyana	764	556	72.77	30	3.93	63	8.25	649	84.95
Suriname	450	2	0.44	0	0.00	51	11.33	53	11.78
Brazil	176,876	153,532	86.80	11,099	6.27	1,456	0.82	166,087	93.90
Bolivia	8,818	1,544	17.51	339	3.84	1,429	16.21	3,312	37.56
Colombia	45,325	4,821	10.64	1,278	2.82	2,185	4.82	8,284	18.28
Ecuador	12,553	5,708	45.47	587	4.68	1,659	13.22	7,954	63.36
Peru (2001)	25,662	4,068	15.85	2,442	9.52	1,627	6.34	8,137	31.71
Venezuela	26,008	4,482	17.23	198	0.76	512	1.97	5,192	19.96
Argentina	36,224	3,143	8.68	222	0.61	0	0.00	3,365	9.29
Paraguay	5,917	1,492	25.22	480	8.11	0	-	1,972	33.32
<b>21 countries with active malaria programs</b>	<b>495,654</b>	<b>224,398</b>	<b>45.27</b>	<b>45,001</b>	<b>9.08</b>	<b>31,980</b>	<b>6.45</b>	<b>301,532</b>	<b>60.84</b>
<b>TOTAL</b>	<b>858,563</b>	<b>225,847</b>	<b>26.31</b>	<b>45,001</b>	<b>5.24</b>	<b>31,980</b>	<b>3.72</b>	<b>302,981</b>	<b>35.29</b>

(incl. countries with no active malaria transmission)

\* Source: questionnaires provided by countries to PAHO. Brazil: Low Risk IPA <10, Moderate Risk IPA >10 <50, High Risk IPA >50. Most other countries: Low Risk IPA <1/1000, Moderate Risk IPA >1/1000 <10/1000, High Risk IPA >10/1000.

**TABLE 3:**

**Malaria Morbidity in the Americas, 1993–2003**

YEAR	POPULATION (in thousands)		BLOOD SLIDES			CASE DETECTION (per 100,000 inhabitants)	
	Total Countries	* Risk Areas	Examined	Positive	Slide	Total Americas	Malarious Areas
					Positivity Rate (SPR)		
1994	763,305	231,323	8,261,090	1,114,147	13.49	145.96	481.64
1995	774,712	248,978	9,022,226	1,302,791	14.44	168.16	523.26
1996	786,055	298,128	8,601,272	1,139,776	13.25	145.00	382.31
1997	793,582	306,521	9,037,999	1,075,445	11.90	135.52	350.86
1998	803,546	308,323	9,148,633	1,289,741	14.10	160.51	418.31
1999	818,273	298,453	10,174,427	1,207,479	11.87	147.56	404.58
2000	832,863	293,196	10,210,730	1,140,329	11.17	136.92	388.93
2001	835,814	293,560	9,456,093	960,792	10.16	114.95	327.29
2002	849,361	262,382	7,785,398	884,744	11.36	104.17	337.20
<b>2003</b>	<b>858,563</b>	<b>302,981</b>	<b>6,980,597</b>	<b>909,788</b>	<b>13.03</b>	<b>105.97</b>	<b>300.28</b>

\* Population in areas of the Americas ecologically propitious for transmission includes areas without active transmission

**TABLE 4:**  
**Total Blood Slides Examined and Number of Positive Slides  
by Level of Malaria Transmission, 2003**

Countries and Territories by Geographic Subregion	LOW RISK OF TRANSMISSION		MODERATE RISK OF TRANSMISSION		HIGH RISK OF TRANSMISSION		ORIGINALLY NON-MALARIOUS AREAS		TOTAL		
	Blood slides examined	Positive	Blood slides examined	Positive	Blood slides examined	Positive	Blood slides examined	Positive	Blood slides examined	Positive	Percent of all cases
Mexico (2002)	97,796	28	431,801	682	1,048,050	3,579	0	0	1,577,647	4,289	0.47%
Belize (2002)	7,167	353	8,313	575	0	0	0	0	15,480	928	0.10%
Costa Rica	4,606	153	3,710	280	1,209	269	97	16	9,622	718	0.08%
El Salvador	101,887	80	166	5	0	0	0	0	102,053	85	0.01%
Guatemala	47,861	844	45,230	6,934	63,136	23,349	0	0	156,227	31,127	3.43%
Honduras	18,651	136	11,245	787	60,679	9,199	0	0	90,575	10,122	1.11%
Nicaragua	404,643	3,627	0	0	45,196	3,185	0	0	449,839	6,812	0.75%
Panama	60,479	321	68,981	675	37,351	3,504	0	0	166,811	4,500	0.50%
Haiti (2001)	0	0	51,067	9,837	0	0	...	...	51,067	9,837	1.08%
Dominican Republic)	293,588	476	42,991	406	13,138	647	0	0	349,717	1,529	0.17%
French Guiana	5,943	247	8,687	639	17,772	2,953	8,879	...	41,281	3,839	0.42%
Guyana	...	...	...	...	...	...	...	...	185,877	27,627	3.04%
Suriname	...	...	...	...	...	...	...	...	70,670	14,657	1.61%
Brazil	333,447	27,343	415,031	77,374	1,025,938	274,589	240	34	1,774,656	379,340	41.75%
Bolivia	3,166	409	10,131	1,309	145,002	18,625	0	0	158,299	20,343	2.24%
Colombia	20,451	1,620	24,930	6,715	475,599	213,499	...	...	520,980	221,834	24.41%
Ecuador	...	...	...	...	...	...	...	...	433,244	52,065	5.73%
Peru (2002)	...	...	...	...	...	...	...	...	...	85,742	9.44%
Venezuela	80,376	4,414	41,764	2,159	222,096	25,092	2,350	54	346,586	31,719	3.49%
Argentina	1,379	6	2,598	116	0	0	0	0	3,977	122	0.01%
Paraguay	75,954	837	39,983	525	0	0	10,645	30	126,582	1,392	0.15%
<b>21 Country Subtotal</b>	<b>1,557,394</b>	<b>40,894</b>	<b>1,206,628</b>	<b>109,018</b>	<b>3,155,166</b>	<b>578,490</b>	<b>22,211</b>	<b>134</b>	<b>6,631,190</b>	<b>908,627</b>	<b>100.00%</b>
<b>TOTAL (incl. countries with no active malaria transmission)</b>	<b>1,906,801</b>	<b>40,894</b>	<b>1,206,628</b>	<b>109,018</b>	<b>3,155,166</b>	<b>578,490</b>	<b>371,618</b>	<b>1,295</b>	<b>6,980,597</b>	<b>909,788</b>	

... No information available

\* Provisional data

**TABLE 5a:**

**Epidemiological Status for 21 Countries with Active Malaria Programs, 2003**

Countries and Territories by Geographic Subregion	Population* in risk Areas	PERSONS AT RISK			PARASITE SPECIES					MORTALITY
		Examined	Positive	API	<i>P.falciparum</i> & mixed	AFI	<i>P.vivax</i>	AVI	<i>P.malariae</i>	Preliminary Data
Mexico (2002)	54,648	1,577,647	4,289	0.08	17	0.00	4,272	0.08	0	0
Belize (2002)	153	15,480	928	6.07	0	0.00	928	6.07	0	0
Costa Rica	1,403	9,622	718	0.51	14	0.01	704	0.50	0	0
El Salvador	2,719	102,053	85	0.03	2	0.00	83	0.03	0	...
Guatemala	5,272	156,227	31,127	5.90	1,310	0.25	29,817	5.66	0	0
Honduras	6,423	90,575	10,122	1.58	323	0.05	9,799	1.53	0	0
Nicaragua	5,482	449,839	6,812	1.24	1,245	0.23	5,567	1.02	0	0
Panama	3,121	166,811	4,500	1.44	627	0.20	3,873	1.24	0	3
Haiti (2001)	8,000	51,067	9,837	1.23	9,837	1.23	0	0.00	0	16
Dominican Rep.	9,234	349,717	1,529	0.17	1,528	0.17	1	0.00	0	12
French Guiana	71	32,402	3,839	54.07	3,080	43.38	759	10.69	0	0
Guyana	649	185,877	27,627	42.57	12,970	19.98	14,654	22.58	3	...
Suriname	53	0	14,657	276.55	12,078	227.89	1,494	28.19	1,085	...
Brazil	166,087	1,474,656	379,340	2.28	81,094	0.49	297,962	1.79	284	30
Bolivia	3,312	158,299	20,343	6.14	891	0.27	19,452	5.87	0	2
Colombia	8,284	520,980	221,834	26.78	126,350	15.25	95,484	11.53	0	24
Ecuador	7,954	433,244	52,065	6.55	10,724	1.35	41,341	5.20	0	0
Peru (2002)	8,137	0	85,742	10.54	19,154	2.35	66,588	8.18	0	12
Venezuela	5,192	344,236	31,719	6.11	5,562	1.07	26,111	5.03	46	...
Argentina	3,365	3,977	122	0.04	0	0.00	122	0.04	0	0
Paraguay	1,972	115,937	1,392	0.71	3	0.00	1,389	0.70	0	0
<b>TOTAL</b>	<b>301,532</b>	<b>6,238,646</b>	<b>908,627</b>	<b>3.01</b>	<b>286,809</b>	<b>0.95</b>	<b>620,400</b>	<b>2.06</b>	<b>1,418</b>	<b>99</b>

\* Population in thousands (All risk areas)

**TABLE 5:**

**Epidemiological Status in High and Moderate Risk Areas for  
21 Countries with Active Malaria Programs, 2003**

Countries and Territories by Geographic Subregion	Population* in Mod./High risk Areas	PERSONS AT RISK			PARASITE SPECIES					MORTALITY Preliminary Data
		Examined	Positive	API	<i>P.falciparum</i> & mixed	AFI	<i>P.vivax</i>	AVI	<i>P.malariae</i>	
Mexico (2002)	37,707	1,479,851	4,261	0.11	17	0.00	4,244	0.11	0	0
Belize (2002)	153	8,313	575	3.76	0	0.00	575	3.76	0	...
Costa Rica	188	4,919	549	2.92	1	0.01	548	2.91	0	0
El Salvador	5	166	5	1.00	0	0.00	5	1.00	0	0
Guatemala	3,162	108,366	30,283	9.58	1,300	0.41	28,983	9.17	0	0
Honduras	4,099	71,924	9,986	2.44	322	0.08	9,664	2.36	0	0
Nicaragua	311	45,196	3,185	10.24	956	3.07	2,229	7.17	0	0
Panama	865	106,332	4,141	4.79	602	0.70	3,539	4.09	0	3
Haiti (2001)	4,758	51,067	9,837	2.07	9,837	11.37	0	0.00	0	16
Dominican Rep.	211	56,129	1,053	4.99	1,053	4.99	0	0.00	0	12
French Guiana	18	26,459	2,653	147.39	1,901	105.61	752	41.78	...	0
Guyana	93	0	27,026	290.60	12,699	136.55	14,326	154.04	1	...
Suriname	51	70,670	14,657	287.39	12,078	236.82	1,494	29.29	1,085	...
Brazil	12,555	1,440,969	351,963	28.03	75,685	6.03	276,021	21.99	257	30
Bolivia	1,768	155,133	19,934	11.27	887	0.50	19,047	10.77	0	2
Colombia	3,463	500,529	220,481	63.67	126,019	36.39	94,462	27.28	0	24
Ecuador	2,247	0	41,980	18.68	8,578	3.82	33,402	14.87	0	0
Peru (2001)	4,069	0	83,463	20.51	19,027	4.68	64,436	15.84	0	12
Venezuela	710	263,860	27,251	38.38	5,060	7.13	22,145	31.19	46	...
Argentina	222	2,598	116	0.52	0	0.00	116	0.52	0	0
Paraguay	480	39,983	525	1.09	0	0.00	525	1.09	0	0
<b>TOTAL</b>	<b>77,135</b>	<b>4,432,464</b>	<b>853,924</b>	<b>11.07</b>	<b>276,022</b>	<b>3.58</b>	<b>576,513</b>	<b>7.47</b>	<b>1,389</b>	<b>99</b>

\* Population in thousands (moderate and high risk areas only)

\*\*\* Cases not discriminated by risk area

... No information

**TABLE 6:**  
**Comparison between Passive and Active Case Detection, 2003**

Countries and Territories by Geographic Subregion	PASSIVE CASE DETECTION						ACTIVE CASE DETECTION		
	<i>General health services &amp; hospitals</i>			<i>Volunteer Collaborators</i>			<i>Epidemiologic investigations and follow-ups</i>		
	Blood slides			Blood slides			Blood slides		
	Examined	Positive	SPR	Examined	Positive	SPR	Examined	Positive	SPR
Mexico (2002)	736,422	2,253	0.31	506,476	790	0.16	334,749	1,246	0.37
Belize (2002)	...	...	...	11,183	.....	...	4,297	...	...
Costa Rica	521	299	57.39	224	65	29.02	8,877	354	3.99
El Salvador	53,415	48	0.09	44,346	31	0.07	4,292	6	0.14
Guatemala	45,977	7,541	16.40	98,730	20,742	21.01	11,520	2,844	...
Honduras	...	...	...	90,575	10,122	...	...	...	...
Nicaragua	285,862	3,506	1.23	143,329	2,913	2.03	20,648	393	1.90
Panama	26,333	1,482	5.63	454	167	36.78	140,024	2,851	2.04
Haiti (2001)	51,067	9,837	19.26	...	...	...	...	...	...
Dominican Republic	82,299	537	0.65	13,428	206	1.53	253,990	786	0.31
French Guiana	27,278	3,658	13.41	...	...	...	14,003	181	1.29
Guyana	127,032	25,227	19.86	...	...	...	58,845	2,400	4.08
Suriname	70,670	14,657	20.74	...	...	...	...	...	...
Brazil	...	...	...	...	...	...	...	...	...
Bolivia	72,844	14,519	19.93	16,352	2,676	16.36	69,103	3,148	4.56
Colombia	520,980	221,834	42.58	...	...	...	...	...	...
Ecuador	420,247	50,504	12.02	12,997	1,561	12.01	...	...	...
Peru (2002)	...	...	...	...	...	...	...	...	...
Venezuela	162,163	25,725	15.86	...	...	...	184,423	5,994	3.25
Argentina	1,197	86	7.18	...	...	...	2,780	36	1.29
Paraguay	4,721	328	6.95	48,637	716	1.47	73,224	348	0.48
<b>TOTAL</b>	<b>2,689,028</b>	<b>382,041</b>	<b>14.21</b>	<b>986,731</b>	<b>39,989</b>	<b>4.05</b>	<b>1,180,775</b>	<b>20,587</b>	<b>1.74</b>

... No information available

SPR = Slide Positivity Rate

**TABLE 7:**

**Antimalarial Drugs Used in 21 Countries in 2003**  
(number of tablets)

Countries and Territories by Geographic Subregion	Chloroquine and/or Amodiaquine 150 mg	Primaquine 15mg	Sulfa/Pyrimethamine @ 500/25 mg	Mefloquine @ 250 mg	Artemisine derivatives number of treatments*	Quinine @300mg
Mexico (2002)	9,447,260	2,352,553	-	-	-	-
Belize (2002)	62,135	17,483	-	-	-	-
Costa Rica	70,200	38,610	-	-	-	-
El Salvador	0	18,900	-	-	-	-
Guatemala	1,975,305	1,487,625	-	-	-	-
Honduras	994,159	737,120	-	-	-	-
Nicaragua	9,100,000	6,601,766	-	-	-	-
Panama	865,052	771,829	5,000	5,463	-	-
Haiti (2001)	250,000	...	...	...	...	...
Dominican Republic	1,049,151	979,208	-	-	-	536
French Guiana	...	...	...	...	...	...
Guyana	...	...	...	...	...	...
Suriname	...	...	...	...	...	...
Brazil	3,679,680	5,441,331	-	160,620	3,736	1,040,297
Bolivia	422,791	625,855	0	7,004	490	3,523
Colombia	1,898,900	2,001,880	216,996	5,196	-	40,700
Ecuador	986,300	556,129	13,948	-	-	924
Peru (2002)	...	...	...	...	...	...
Venezuela	583,959	504,257	29	-	-	3,021
Argentina	1,865	963	-	-	-	-
Paraguay	341,973	35,186	-	-	-	-

\* Artesunate and Artemeter @ 1200mg/treatment; Artemisinin @ 4,800 mg./treatment      ... No Information available      ' - Not applicable

Notes: 1. Use of Parenteral Quinine was reported in the following countries computed in # of treatments: Brazil = 100; Bolivia = 35; Colombia = 250; and Venezuela = 21.  
2. Use of various antibiotics such as Doxycycline, Tetracycline, and Clindamycin, has been reported in Brazil, Colombia, and Venezuela.

**TABLE 8:  
Antimalaria Treatment Completed in 2003**

Countries and Territories by Geographic Subregion	Treatments complete @ 1,500 mg of 4-amino quinolines	Number of reported cases	Number of first-line treatments available per case reported	Number of <i>P. falciparum</i> and mixed cases reported	Number of second-line treatments available per case <i>P. falciparum</i>
Mexico (2002)	944,726	4,289	220.27	17	...
Belize (2002)	6,214	928	6.70	0	...
Costa Rica	7,020	1,021	6.88	14	...
El Salvador	0	117	0.00	2	...
Guatemala	197,530	35,540	5.56	1,310	...
Honduras	99,416	17,223	5.77	323	...
Nicaragua	910,000	7,466	121.89	1,245	...
Panama	86,505	2,244	38.55	627	...
Haiti (2001)	25,000	9,837	2.54	9,837	...
Dominican Rep.	104,915	1,529	68.62	1,528	...
French Guyana	...	3,839	...	3,080	...
Guyana	...	27,627	...	12,970	...
Suriname	0	14,657	0.00	12,078	...
Brazil	367,968	379,340	0.97	81,094	...
Bolivia	42,279	20,343	2.08	891	...
Colombia	189,890	221,834	0.86	126,350	...
Ecuador	98,630	52,065	1.89	10,724	...
Peru (2002)	...	85,742	0.00	19,154	...
Venezuela	58,396	31,719	1.84	5,562	...
Argentina	187	122	1.53	0	...
Paraguay	34,197	1,392	24.57	3	...

... No information available

**TABLE 9:**

**Malarious Areas at High Risk of Transmission and Control Priorities, 2003**

COUNTRIES	POPULATION	km2	REPORTED CASES	<i>P. falciparum</i>			CONTROL MEASURES APPLIED IN DIFFERENT AREAS	MAIN VECTORS	CAUSES OF PERSISTENCE OF TRANSMISSION			
				API	+ MIXED	AFI						
<b>ARGENTINA</b>												
Salta Ataque	222,238 ...		116	0.52	0.00	-	Epidemiological surveillance	<i>A. pseudopunc.</i>	Heavy internal and international migration; areas difficult to reach due to climatic economic and financial constraints on program activities			
<b>BELIZE (2002 Data)</b>												
Toledo	23,202	...	355	15.30	0	0.00						
Stann Creek	24,444	...	220	9.00	0	0.00						
<b>BOLIVIA</b>												
129/314 Municipalities												
Pando (15 municipalities)	52,800	...	1,637	31.00	244	4.62	Chemical vector control - second semester coverage = 98%; supervised case finding and treatment; health education on	<i>A. darlingi</i>	Delays in approval and execution of the Amazon Project			
Beni (8 municipalities)	104,904	...	77	0.73	5	0.05						
Santa Cruz (37 municipalities)	2,050,657	...	2,688	1.31	0	0.00						
Cochabamba (18 municipalities)	413,061	...	665	1.61	79	0.19						
Tarija (7 municipalities)	176,061	...	3,199	18.17	0	0.00						
Chuquisaca (20 municipalities)	148,818	...	2,246	15.09	0	0.00						
Riberalta (1 municipality)	83,132	...	3,496	42.05	130	1.56						
Ouayaramerín (1 municipality)	48,084	...	5,125	106.58	142	2.95						
Itenez (3 municipalities)	19,539	...	285	14.59	5	0.26						
La Paz (9 municipalities)	171,302	...	713	4.16	0	0.00						
Postosi (10 municipalities)	44,143	...	212	4.80	0	0.00						
<b>Sub-Total</b>	<b>3,312,501</b>	...	<b>20,343</b>	<b>6.14</b>	<b>605</b>	<b>0.18</b>						
<b>BRAZIL*</b>												
<b>A) Very High Risk (API ≥ 50/1000)</b>												
66/5561 Municipalities												
Acre (4/22)	45,367	32,184.0	3,256	71.77	863	19.02	Case detection and treatment; house spraying; health education; elimination of breeding sites	<i>A. darlingi</i>	All of the epidemiological risk factors that determine malaria transmission in ecological areas of rain forests with remote farms, mining			
Amazonas (15/62)	1,874,023	1,171,761.0	114,852	61.29	11,427	6.10						
Amapá (6/16)	56,014	128,118.0	8,227	146.87	3,288	58.70						
Maranhão (11/217)	10,226	38,922.0	674	65.91	52	5.09						
Pará (16/143)	553,489	655,732.0	56,262	101.65	16,445	29.71						
Rondonia (15/52)	619,597	53,400.0	83,386	134.58	27,215	43.92						
Roraima (9/15)	77,731	192,060.0	7,932	102.04	1,074	13.82						
<b>Sub-total</b>	<b>3,236,447</b>	<b>2,272,177</b>	<b>274,589</b>	<b>84.84</b>	<b>60,364</b>	<b>18.65</b>						
<b>B) High Risk (API ≥ 10/1000 up to 49.9/1000)</b>												
114/5561 Municipalities												
Acre (6/22)	144,241	48,154.0	4,501	31.20	942	6.53	Case detection and treatment; house spraying; health education; elimination of breeding sites. Diagnosis and treatment integrated to Primary Health Care System (PHC) structure of the State of Amazonas	<i>A. darlingi</i>	All of the epidemiological risk factors that determine malaria transmission in ecological areas of rain forest. Lack of basic sanitation in human settlements in the periphery of urban centers. Circulatory/migratory movement of people to and from cities.			
Amazonas (26/62)	635,803	308,408.0	17,280	27.18	2,842	4.47						
Amapá (5/16)	136,826	6,562.0	3,810	27.85	1,204	8.80						
Maranhão (13/217)	209,525	44,052.0	3,410	16.27	284	1.36						
Mato Grosso (8/126)	144,555	138,672.0	2,590	17.92	146	1.01						
Pará (38/143)	1,450,103	415,698.0	35,271	24.32	7,132	4.92						
Rondonia (11/52)	323,231	91,090.0	6,887	21.31	2,216	6.86						
Roraima (4/15)	253,852	20,957.0	403	1.59	38	0.15						
Tocantins (3/139)	13,270	7,701.0	3,212	242.05	764	57.57						
<b>Sub-total</b>	<b>3,311,406</b>	<b>1,081,294</b>	<b>77,364</b>	<b>23.36</b>	<b>15,568</b>	<b>4.70</b>						

COUNTRIES	POPULATION	km2	REPORTED CASES	<i>P. falciparum</i>			CONTROL MEASURES APPLIED IN DIFFERENT AREAS	MAIN VECTORS	CAUSES OF PERSISTENCE OF TRANSMISSION
				API	+ MIXED	AFI			
<b>COLOMBIA</b>									
32/35 Departments:									
Amazonas (6/11 municipalities)	37,616	...	112	2.98	34	0.90	Physical and chemical control; community participation; community participation;	<i>A. albimanus</i> <i>A. nuneztovari</i> <i>A. nuneztovari</i>	Sociopolitical factors; mining; migration and displacement; lack migration and displacement; lack migration and displacement; lack
Anitoquia (35/62 municipalities)	538,068	...	41,557	77.23	12,133	22.55			
Arauca (7 municipalities)	121,320	...	996	8.21	2	0.02			
Bolivar (20 municipalities)	343,310	...	478	1.39	230	0.67			
Boyaca (36 municipalities)	303,892	...	294	0.97	24	0.08			
Caldas (5 municipalities)	55,882	...	17	0.30	8	0.14			
Caqueta (17 municipalities)	232,623	...	582	2.50	137	0.59			
Cartagena (1 municipality)	75,499	...	4	0.05	0	0.00			
Casanare (13 municipalities)	96,365	...	131	1.36	11	0.11			
Cauca (3/19 municipalities)	91,700	...	4,883	53.25	0	0.00			
Cesar (17/19 municipalities)	269,956	...	48	0.18	4	0.01	<i>A. evanse</i>		
Choco (30/22 municipalities)	411,841	...	25,632	62.24	18,429	44.75			
Cordoba (7/19 municipalities)	187,976	...	35,816	190.53	12,034	64.02			
Cundinamarca (22 municipalities)	189,150	...	76	0.40	11	0.06			
Guainia (7 municipalities)	29,127	...	1,755	60.25	584	20.05			
Guaviare (5 municipalities)	9,478	...	6,257	660.16	2,218	234.02			
Huila (16 municipalities)	202,118	...	65	0.32	22	0.11			
La Guajira (8 municipalities)	71,069	...	44	0.62	18	0.25			
Magdalena (10 municipalities)	190,959	...	453	2.37	201	1.05			
Meta (26/27 municipalities)	249,710	...	8,814	35.30	2,552	10.22			
Narino (11/11 municipalities)	472,110	...	15,174	32.14	10,322	21.86			
Norte de Santander (22 municipalti)	243,271	...	1,048	4.31	27	0.11			
Putumayo (10/10 municipalities)	325,105	...	3,601	11.08	201	0.62			
Quindio (9/10 municipalities)	76,633	...	113	1.47	20	0.26			
Risaralda (6 municipalities)	11,519	...	1,778	154.35	55	4.77			
Santa Marta (1 municipality)	16,229	...	125	7.70	26	1.60			
Santander (35 municipalities)	304,013	...	474	1.56	147	0.48			
Sucre (18 municipalities)	216,084	...	101	0.47	25	0.12			
Tolima(28 municipalities)	304,730	...	118	0.39	24	0.08			
Valle (2/27 municipalities)	302,833	...	9,098	30.04	2,996	9.89			
Vaupes (6 municipalities)	22,825	...	203	8.89	66	2.89			
Vichada (5 municipalities)	76,481	...	4,895	64.00	1,814	23.72			
<b>Sub-Total</b>	<b>6,079,492</b>	<b>...</b>	<b>164,742</b>	<b>27.10</b>	<b>64,375</b>	<b>10.59</b>			
<b>COSTA RICA</b>									
1/81 Cantons:									
Limon/Matina	38,894	773	269	6.92	0	0.00	Stratification of risk areas; radical treatment; focal and aerial spraying; social participation; education and	Border areas with heavy illegal migratory increasing number of susceptibles; high precipitation	
<b>Sub-Total</b>	<b>38,894</b>	<b>773</b>	<b>269</b>	<b>6.92</b>	<b>0</b>	<b>0.00</b>			
<b>DOMINICAN REPUBLIC</b>									
2/223 Municipalities									
Neyba	35,691		360	10.09	360	10.09	active and passive case detection	mosquito vector; rice cultivation	
Uvilla	18,959		290	15.30	290	15.30			
<b>Sub-Total</b>	<b>54,650</b>		<b>650</b>	<b>11.89</b>	<b>650</b>	<b>11.89</b>			

COUNTRIES	POPULATION	km2	REPORTED CASES	API	<i>P. falciparum</i> + MIXED	AFI	CONTROL MEASURES APPLIED IN DIFFERENT AREAS	MAIN VECTORS	CAUSES OF PERSISTENCE OF TRANSMISSION
<b>ECUADOR</b>									
33/314 Municipalities									
Esmeraldas (6 municipalities)	404,573	...	13,262	32.78	3,919	9.69	destruction of breeding sites		insufficient spraying; insufficient fumigation;
Guayas (4 municipalities)	125,858	...	2,935	23.32	425	3.38			
Los Rios (4 municipalities)	460,495	...	9,512	20.66	1,613	3.50			
Manabi (5 municipalities)	153,605	...	2,407	15.67	366	2.38			
Morona (1 municipality)	13,664	...	359	26.27	24	1.76			
Pastaza (2 municipalities)	19,627	...	609	31.03	134	6.83			
Pichincha (2 municipalities)	299,732	...	2,991	9.98	729	2.43			
Sucumbios (5 municipalities)	123,648	...	2,065	16.70	189	1.53			
Orellana (4 municipalities)	58,305	...	3,409	58.47	427	7.32			
<b>Sub-Total</b>	<b>1,659,507</b>	...	<b>37,549</b>	<b>22.63</b>	<b>7,826</b>	<b>4.72</b>			
<b>EL SALVADOR</b>									
1/14 Provinces:									
San Vicente	4,688		5	1.07	0	0.00	Intra (residual action insecticide) ; peri-domiciliar spraying; larvicide use;	<i>A. Albimanus</i>	Migration; commerce between neighboring countries; border visits.
<b>Subt-Total</b>	<b>4,688</b>		<b>5</b>	<b>1.07</b>	<b>0</b>	<b>0.00</b>			
<b>FRENCH GUIANA</b>									
5 Municipalities									
Maripasuala	3,710	...	858	231.27	656	176.82			
Papaichton	1,650	...	225	136.36	212	128.48			
Camopi	1,032	...	84	81.40	22	21.32			
Grand Santi	2,862	...	655	228.86	640	223.62			
Regina	765	...	153	200.00	45	58.82			
<b>Sub-Total</b>	<b>10,019</b>	<b>83,544</b>	<b>1,975</b>	<b>197.13</b>	<b>1,575</b>	<b>157.20</b>			
<b>GUATEMALA *</b>									
4/26 Departments									
Peten sur Occidente (2 municipaliti	106,913	7,014	4,494	42.03	158	1.48	treatment of suspected and confirmed cases; control of breeding sites; house	<i>A. vestitipecnis</i>	Lack of political commitment to implement Global Malaria Control Strategy in local health services; lack of budgetary resources allotted to malaria; limited coverage of General Health Services in
Alta Verapaz (13 municipalities)	292,760		12,388	42.31	700	2.39			
Peten sur Oriente (4 municipalities)	131,414	6,300	4,535	34.51	250	1.90			
Ixcán (1 municipality)	68,603	...	1,932	28.16	105	1.53			
<b>Sub-Total</b>	<b>599,690</b>	<b>13,314</b>	<b>23,349</b>	<b>38.94</b>	<b>1,213</b>	<b>7</b>			
<b>GUYANA (4 Regions)</b>									
Region 1	28,000	...	7,693	274.75	3,768	134.57	Increased surveillance; decreased lag time between visits to unstable populations; introduction of 7 day treatment program of Quinine + Primaquine; selective spraying with DDT	<i>A. darlingi</i>	Delay in the release of funds; lack of experienced staff; lack of appropriate transportation; itinerant population of miners and loggers; high rate of non-compliance with drug regimens; makeshift housing of itinerant groups offers little to no insecticide sprayable surfaces
Region 7	15,000	...	8,468	564.53	3,361	224.07			
Region 8	20,000	...	9,471	473.55	5,107	255.35			
Region 9	30,000	...	1,393	46.43	463	15.43			
<b>Sub-Total</b>	<b>93,000</b>	...	<b>27,025</b>	<b>290.59</b>	<b>12,699</b>	<b>136.55</b>			

COUNTRIES	POPULATION	km2	REPORTED CASES	<i>P. falciparum</i>			CONTROL MEASURES APPLIED IN DIFFERENT AREAS	MAIN VECTORS	CAUSES OF PERSISTENCE OF TRANSMISSION
				API	+ MIXED	AFI			
<b>HAITI</b>									
<i>No Information Available</i>									
<b>HONDURAS</b>									
	Population at risk								
4/9 Regions:									
Region II/57 (municipalities)	645,189		1,281	1.99	1	0.00			
Region VI/27 (municipalities)	689,875	23,821	5,840	8.47	240	0.35	biological control of breeding sites;	Note: <i>A. darlingi</i> found only in	constraints; lack of funds and resources;
Region VII/23 (municipalities)	407,301	16,630	1,254	3.08	56	0.14	physical control measures;	found only in	unsustainable actions; lack of personnel
Region VIII/6 (municipalities)	70,331	16,630	824	11.72	24	0.34	physical control measures;	found only in	unsustainable actions; lack of personnel
<b>Sub-Total</b>	<b>1,812,696</b>	<b>57,081</b>	<b>9,199</b>	<b>5.07</b>	<b>321</b>	<b>0.18</b>	<b>insecticide applied by ULV</b>	<b>Region VI</b>	<b>in high risk areas</b>
<b>MEXICO (2002 Data)</b>									
8/32 States:									
Chiapas (111 municipalities)	4,236,781	24,000	2,333	0.55	13	0.00	House, larvicide, and aerial	<i>A. pseudopunct.</i>	Migration from malarious areas of Central America;
Oaxaca (560 municipalities)	3,647,666	17,584	260	0.07	0	0	spraying; individual and mass radical treatments;	<i>A. albimanus</i>	poor housing conditions;
Campeche (11 municipalities)	799,251	15,550	54	0.07	0	0	entomological studies; active case surveillance;	<i>A. vestitipennis</i>	sociopolitical factors;
Sinaloa (18 municipalities)	2,574,072	11,618	592	0.23	0	0			late detection and treatment of cases
Michoacán (113 municipalities)	3,986,296	8,596	21	0.01	0	0	monthly follow-up of cases		
Guerrero (76 municipalities)	3,016,258	9,407	23	0.01	0	0			
Q. Roo (8 municipalities)	911,554	7,552	162	0.18	0	0.00			
Tabasco (17 municipalities)	1,928,706	4,932	134	0.07	4	0.00			
<b>Sub-Total</b>	<b>21,100,584</b>	<b>99,239</b>	<b>3,579</b>	<b>0.17</b>	<b>17</b>	<b>0.00</b>			
<b>NICARAGUA</b>									
2/17 Departments:									
Raan (6 municipality)	205,318	59,094	2,094	10.20	601	2.93			
Raas (8 municipality)	105,888	26,935	1,091	10.30	355	3.35			
<b>Sub-Total</b>	<b>311,206</b>	<b>86,029</b>	<b>3,185</b>	<b>10.23</b>	<b>956</b>	<b>3.07</b>			
<b>PANAMA</b>									
4/14 Provinces:									
Bocas Del Toro (1 municipalities)	5,507		190	34.50	0	0.00			
Ngoble Bugle (3 municipalities)	45,277		2369	52.32	0	0.00			
Kuna Yala (1 municipalities)	35,753		673	18.82	538	15.05			
Veraguas (2 municipality)	22,590		272	12.04	0	0.00			
<b>Sub-Total</b>	<b>109,127</b>	<b>39827.9</b>	<b>3504</b>	<b>32.11</b>	<b>538</b>	<b>4.93</b>			
<b>PARAGUAY</b>									
1/17 Provinces:									
Caaguazu (20 municipalities)	480,062	...	527	1.10	0	0.00			personnel and resources inadequately placed to
<b>Sub-total</b>	<b>480,062</b>		<b>527</b>	<b>1.10</b>	<b>0</b>	<b>0.00</b>			<b>respond to the epidemic</b>

COUNTRIES	POPULATION	km2	REPORTED CASES	<i>P. falciparum</i>			CONTROL MEASURES APPLIED IN DIFFERENT AREAS	MAIN VECTORS	CAUSES OF PERSISTENCE OF TRANSMISSION		
				API	+ MIXED	AFI					
<b>PERU (2001 Data)</b>											
12/34 Health Departments:											
Loreto	627,678	...	35,308	56.25	8,461	13.48	Medication; rotation of anti-malarials in areas of resistance; integrated entomological surveillance and vector control; surveillance and treatment of breeding sites; distribution of impregnated bednets; active epidemiological surveillance; community participation	<i>A. pseudopunc.</i>	Climatological factors; inadequate access to health services; increase in breeding sites; expansion in rice production; internal and external migration; emergence of drug resistance to <i>P. falciparum</i> in endemic areas; decreased vector susceptibility to insecticides on the north coast		
Junin	244,099	...	8,426	34.52	0	0.00					
Piura II	393,822	...	19,800	50.28	18,881	47.94				<i>A. benarrochi</i>	
Piura I	361,164	...	19,250	53.30	12,464	34.51				<i>A. albimanus</i>	
Jaen-bagua	42,437	...	540	12.72	51	1.20				<i>A. darlingi</i>	
Tumbes	188,718	...	21,249	112.60	14,081	74.61					
San Martin	19,997	...	524	26.20	41	2.05					
Cusco	133,047	...	4,484	33.70	1	0.01					
Ayacucho	109,937	...	6,752	61.42	0	0.00					
Lambayeque	121,664	...	6535	53.71	5,066	41.64					
Ucayali	47,122	...	706	14.98	94	1.99					
Madre de dios	66,352	...	1,172	17.66	1	0.02					
<b>Sub-total</b>	<b>2,356,037</b>	...	<b>124,746</b>	<b>52.95</b>	<b>59,141</b>	<b>32.81</b>					
<b>SURINAME</b>											
5/10 Districts											
Sipaliwini District:											
Midden Suriname	1,048	...	480	458.02	360	343.51	Residual house spraying; use of Permetrin impregnated bed nets in all areas	<i>A. darlingi</i>			
West Suriname	4,200	...	1,826	434.76	810	192.86					
Boven Suriname	21,503	...	369	17.16	339	15.77					
Brokopondo District	10,023	...	2,102	209.72	1,939	193.46					
Oost Suriname	14,077	...	5,542	393.69	5,055	359.10					
<b>Sub-total</b>	<b>50,851</b>	...	<b>10,319</b>	<b>202.93</b>	<b>8,503</b>	<b>167.21</b>					
<b>VENEZUELA</b>											
19/333 Municipalities											
Amazonas: (6 Municipios)											
Manapiare	3,593	...	1,198	333.43	131	36.46	Residual and space spraying	<i>A. darlingi</i>	Dispersal of the indigenous population; transient miners; <i>P. falciparum</i> resistance to chloroquine; intense migration in endemic zones; Endophagic and exophilic vectors Lack of human and financial resources		
Rio Negro	2,116	...	44	20.79	16	7.56				Residual and space spraying	<i>A. darlingi</i>
Autana	8,475	...	736	86.84	120	14.16					
Atures	64,334	...	4,677	72.70	643	9.99					
Alto Orinoco	7,448	...	697	93.58	277	37.19					
Atabapo	12,126	...	2,285	188.44	1,015	83.70					
Subtotal:	<b>98,092</b>	...	<b>9,637</b>	<b>98.24</b>	<b>2,202</b>	<b>22.45</b>					
Bolívar: (5 Municipios)											
Sucre	15,950	...	1,002	62.82	28	1.76	Residual and space spraying	<i>A. darlingi</i>			
Raul Leoni	32,795	...	1,933	58.94	357	10.89					
Sifontes	61,552	...	5,043	81.93	1,081	17.56					
Cedeno	38,650	...	1,496	38.71	156	4.04					
Gran Sabana	34,250	...	1,543	45.05	415	12.12					
Subtotal:	<b>183,197</b>	...	<b>11,017</b>	<b>60.14</b>	<b>2,037</b>	<b>11.12</b>					
Sucre: (4 Municipalities)											
Cajigal	22,231	...	1,324	59.56	0	0.00	Residual and space spraying	<i>A. aquasalis*</i>			
Benitez	31,918	...	801	25.10	0	0.00					
Arisмени	48,640	...	518	10.65	0	0.00					
Andres Mata	21,367	...	224	10.48	0	0.00					
Subtotal:	<b>124,156</b>	...	<b>742</b>	<b>5.98</b>	<b>0</b>	<b>0.00</b>					
Delta Amacuro: (3 Municipality)											
Pedernales	3,294	...	134	40.68	0	0.00					
Antonio Diaz	47,102	...	906	19.23	657	13.95					
Casacoima	14,299	...	394	27.55	1	0.07					
Sub-total:	<b>64,695</b>	...	<b>1,434</b>	<b>22.17</b>	<b>658</b>	<b>10.17</b>					
Zulia: (1 Municipality)											
Jesus M. Semprums	14,815	...	91	6.14	0	0.00					
Sub-total:	<b>14,815</b>	...	<b>91</b>	<b>6.14</b>	<b>0</b>	<b>0.00</b>					
<b>Sub-Total</b>	484,955	...	22921	47.26	4,897	10.10					

**TABLE 10:**

**National Budget and Nonbudgetary Contributions to Malaria Control Programs in the Americas, 1998–2003**

Countries	1999		2000		2001		2002		2003	
	National	Contributed	National	Contributed	National	Contributed	National	Contributed	National	Contributed
	Malaria Budget	Funds, Loans Other	Malaria Budget	Funds, Loans Other	Malaria Budget	Funds, Loans Other	Malaria Budget	Funds, Loans Other	Malaria Budget	Funds, Loans Other
Argentina	...	...	...	...	...	...	...	...	...	...
Bolivia	133,431	122,925	845,764	944,187	935,101	601,656	918,145	550,887	750,327	476,743
Brazil	30,307,650	-	44,766,876	2,477,870	21,517,299	805,197	21,517,299	805,197	40,695,955	523,926
Colombia	9,930,000	-	9,950,000	-	11,363,636	-	11,363,636	-	13,049,962	-
Costa Rica	4,750,000	-	3,380,000	-	2,500,000	-	2,500,000	-	3,840,000	-
Dominican Rep.	1,495,527	90,722	1,410,013	157,238	1,443,223	29,722	1,443,223	29,722	25,860,927	1,200,675
Ecuador	1,453,583	52,013	...	...	3,155,525	180,000	3,815,603	...	5,235,182	92,954
El Salvador	3,000,000	307,167	...	...	4,555,000	...	4,555,000	...	2,142,205	...
Guatemala*	730,232	-	702,703	-	...	-	...	-	...	-
Haiti	...	...	...	...	...	...	...	...	...	...
Honduras	149,558	239,398	2,597,868	3,605,010	2,352,572	1,450,000	2,352,572	1,450,000	388,888	7,289,800
Mexico	15,349,724	-	17,652,182	-	17,157,485	-	17,157,485	-	17,157,485	-
Nicaragua	4,101,657	1,871,250	333,333	-	333,333	175,500	333,333	175,500	333,333	175,500
Panama	5,161,509	-	5,066,318	-	4,680,289	-	4,680,289	-	2,751,541	1,800
Paraguay	4,338,457	21,281	1,932,103	-	1,061,490	-	5,411,675	-	1,164,935	175,000
Peru	4,996,471	-	1,900,915	58,572	4,109,728	130,000	4,109,728	130,000	4,109,728	130,000
Venezuela	761,868	1,032,823	5,411,675	960,000	...	...	1,291,208	...	20,834,228	...
<b>SUB TOTAL</b>	<b>86,659,667</b>	<b>3,737,579</b>	<b>95,949,750</b>	<b>8,202,877</b>	<b>75,164,681</b>	<b>3,372,075</b>	<b>81,449,196</b>	<b>3,141,306</b>	<b>138,314,696</b>	<b>10,066,398</b>
Guyana	772,000	...	1,000,000	-	800,000	10,000	800,000	10,000	800,000	...
Belize	...	...	...	...	...	...	...	...	...	...
French Guiana	...	...	...	...	...	...	...	...	...	...
Suriname	...	...	65,778	-	178,363	636,000	160,628	436,700	160,628	606,000
<b>SUB TOTAL</b>	<b>772,000</b>	<b>...</b>	<b>1,065,778</b>	<b>...</b>	<b>978,363</b>	<b>646,000</b>	<b>960,628</b>	<b>446,700</b>	<b>960,628</b>	<b>606,000</b>
<b>TOTAL</b>	<b>87,431,667</b>	<b>3,737,579</b>	<b>97,015,528</b>	<b>8,202,877</b>	<b>76,143,044</b>	<b>4,018,075</b>	<b>82,409,824</b>	<b>3,588,006</b>	<b>139,275,324</b>	<b>10,672,398</b>
<b>Grand Total</b>		<b>91,169,246</b>		<b>105,218,405</b>		<b>80,161,119</b>		<b>85,997,830</b>		<b>149,947,722</b>
<b>\$US Funds/Person in Malarious Areas</b>		<b>\$0.42</b>		<b>\$0.45</b>		<b>\$0.57</b>		<b>\$0.43</b>		<b>\$0.50</b>

Note: Funds/person derived only from countries reporting National Malaria Budget data; information incomplete.

... Information not available.

**TABLE 11:**

***Plasmodium falciparum* in the Americas, 1994 and 2003**

Countries	Years	Population at high risk as a proportion of the total population	<i>P. falciparum</i> Cases (% of total number of cases)	Deaths from Malaria	<i>P. falciparum</i> Drug Policy (in order of therapeutic lines)
Bolivia	1994	0 (34K / 7.0M)	4,700 (0)	29	1) Quinine 7 days + Tetracycline 7; 2) Mefloquine.
	2003	0 (1.4M / 8.8M)	891 (0)	2	1) Artesunate and Mefloquine (since 2001)
Brazil	1994	0 (3.7M / 159M)	172,000 (0)	413	1) Quinine 7days + Tetracycline 7; 2) Mefloquine; 3) Artemisinin.
	2003	0 (1.5M / 176.9M)	81,094 (0)	30	1) Quinine + Doxycycline (since 1996)
Colombia	1994	0 (2.9M / 34.5M)	31,000 (0)	81	1) Amodiaquine + Primaquine; 2) Sulfa + Pyrimethamine; 3) Quinine 7+ Tetracycline 7 days.
	2003	0 (2.2M / 45.3M)	126,350 (1)	24	1) Amodiaquine + Sulfa-pyrimethamine (since1998)***
Ecuador	1994	0 (853K / 11.2M)	10,000 (0)	67	1) Chloroquine + Primaquine; 2) Sulfa+Pyrimethamine.
	2003	0 (1.7M / 12.6M)	10,724 (0)	0	1) Artesunate + Sulfa-pyrimethamine (since 2004)
French Guiana	1995	0 (9.1K / 147K)	4,100 (1)	–	1) Quinine 3 days + Doxycyclin; 2) Halofantrine + Doxycyclin.
	2003	0 (10K / 157K)	3,080 (1)	0	
Guyana	1994	0 (53K / 825K)	22,000 (1)	150	1) Quinine 3 days+ Clindamycin; 2) Sulfa + Pyrimethamine.
	2003	0 (63K / 764K)	12,970 (0)	–	1) Artemether-lumefantrine (since 2004)
Peru	1994	0 (2.1M / 23M)	21,000 (0)	39	1) Quinine 3 days+ Tetracycline 7; 2) Sulfa + Pyrimethamine
	2001	0 (1.6M / 25.7M)	19,154* (0)	12	1) Artesunate + Sulfa-pyrimethamine (Pacific Coast) / Artesunate + Mefloquine (Amazon) (since 2001)
Suriname	1994	0 (32K / 418K)	4,300 (1)	20	1) Sulfa + Pyrimethamine; 3) Quinine 3 days+ Clindamycin
	2003	0 (51K / 450K)	12,078 (1)	–	1) Artemether-lumefantrine (since 2003)
Venezuela	1994	0 (143K / 21M)	3,300 (0)	17	1) Chloroquine+Primaquine 2) Quinine 3 days+ Doxaciline 7
	2003	0 (512K / 26M)	5,562 (0)	–	1) Artesunate + Mefloquine (since 2004)
<b>CRUDE MORTALITY RATE</b>					
<b>Total 1994</b>		<b>0</b> <b>(9.8 M / 289.9 M)</b>	<b>268,000</b> <b>(0)</b>	<b>816</b>	<b>8.3 per 100,000 exposed population</b>
<b>Total 2003</b>		<b>0</b> <b>(9.04 M / 296.7 M)</b>	<b>271,903</b> <b>(0)</b>	<b>68</b>	<b>7.5 per 1,000,000 exposed population</b>

\*\*\* Mefloquine + Artesunate was recommended as 1st line for the Amazon Region of Colombia and as 2nd line of treatment for the rest of the country (since October 2004 but not yet official)