

CAMBODIA MALARIA BULLETIN

SEPTEMBER 2013 BULLETIN, DATA TO 3RD QUARTER, CNM, CAMBODIA

Estimated coverage with LLIN or retreated mosquito net	Target ¹	Mobile ²
No. of persons at risk of malaria	3,348,421	448,273
No. of LLIN distributed YTD	2,072	3,682
No. of LLIN distributed YTD	1,607	467
No. of conventional nets distributed and retreated YTD	30,938	300
No. of long lasting nets distributed in last 3 years	2,955,753	4,149
Estimated coverage with LLIN / treated net (1 net / 1 pers)	89%	1%

Indicators	HIS			VMW			Total		
	2012	2013	Change	2012	2013	Change	2012	2013	Change
Malaria cases	35,386	18,023	-49%	22,599	13,670	-39%	57,985	31,693	-45%
Malaria Incidence ³	2.41	1.20	-50%	19.20	10.74	-44%	3.94	2.11	-47%
Malaria deaths	35	7	-80%	0	0	0%	35	7	-80%
Mortality rate ⁴	0.24	0.05	-80%	0.00	0.00	0%	0.24	0.05	-80%

¹ Pop of target villages

² Mobile pop (est from census)

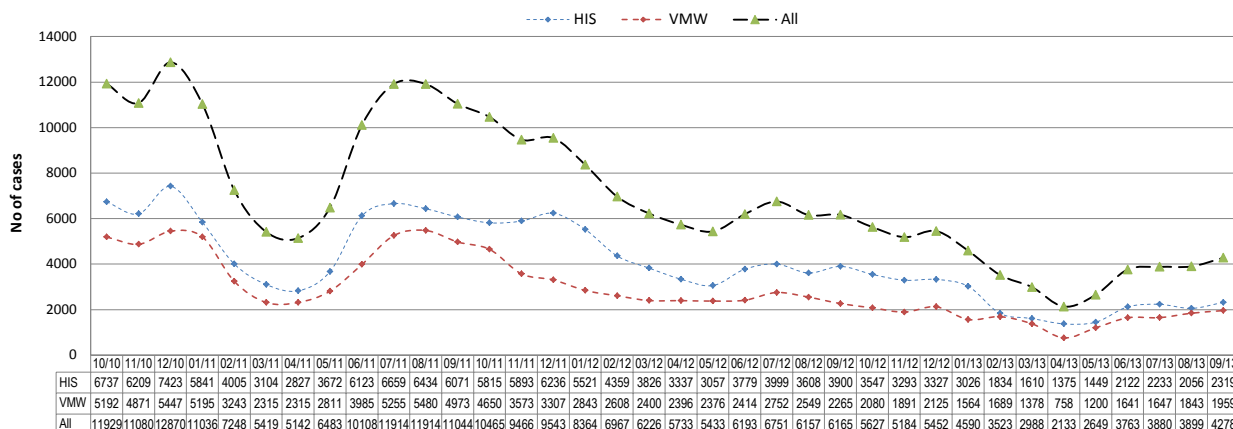
³ Cases per 1000 pop

⁴ Deaths per 100,000 pop

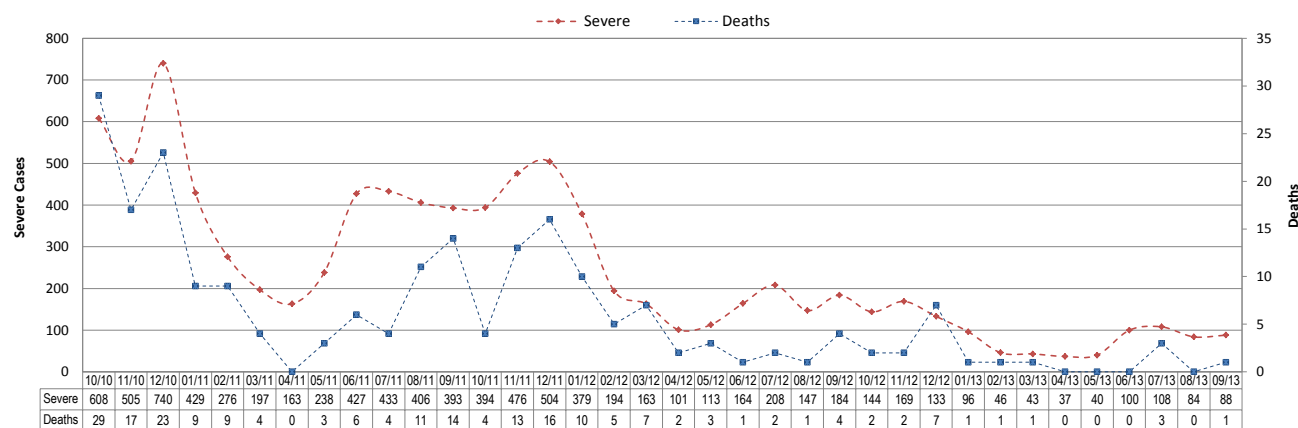
⁴⁵ VMW rates uses VMW village populations

TRENDS IN SURVEILLANCE

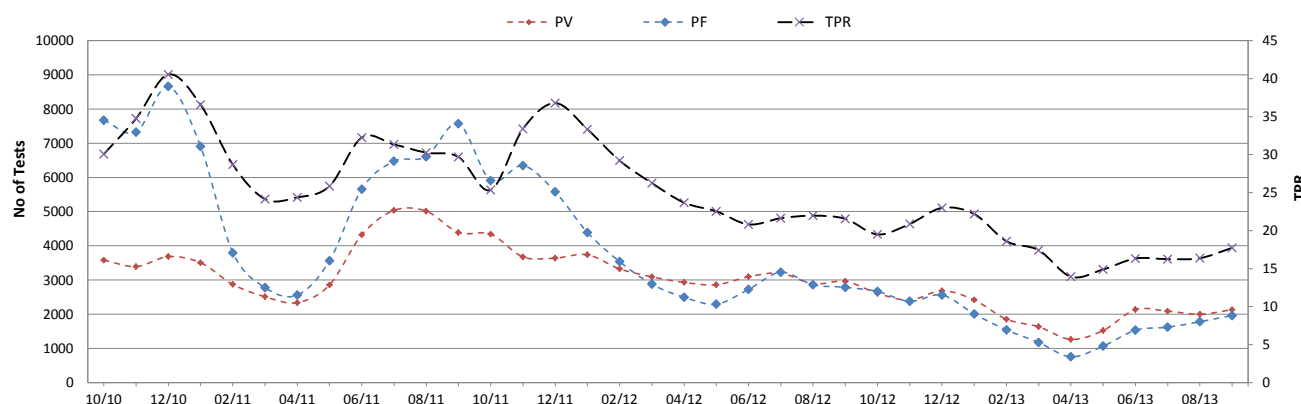
Treated malaria cases from HIS and VMW by month



Severe malaria cases and deaths from HIS by month



Malaria test results (VMW and HIS) by species⁶

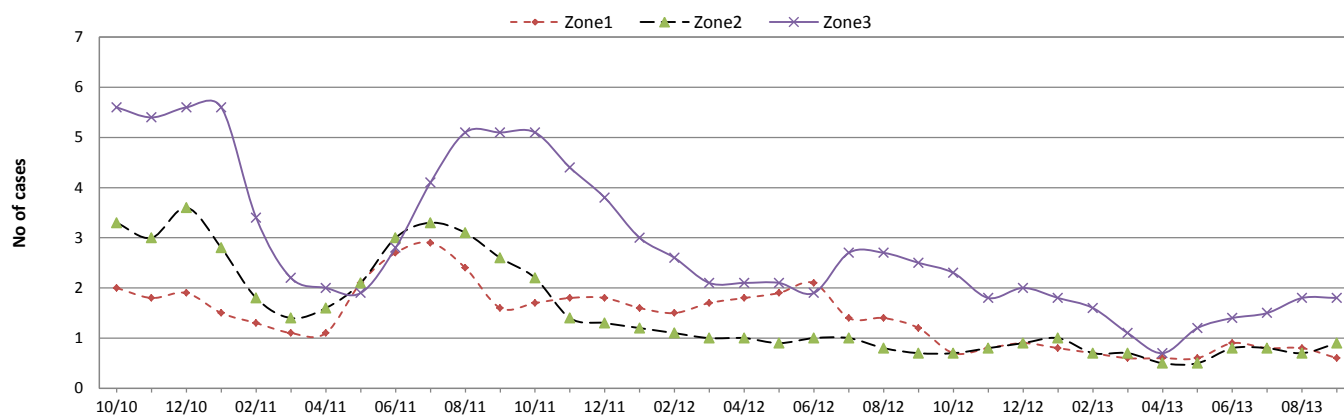


CONTAINMENT INDICATORS

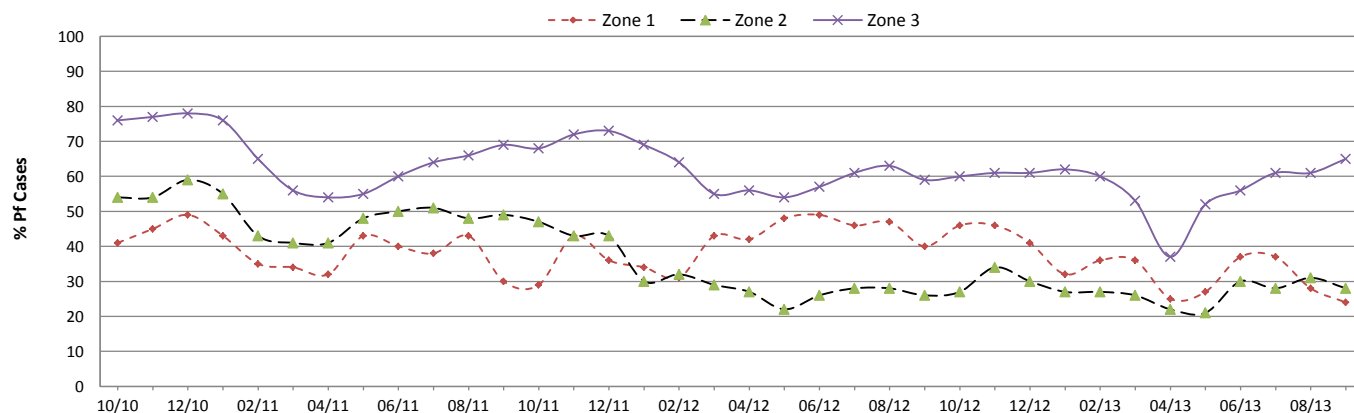
Estimated coverage (possession) with LLIN or retreated mosquito net					VMW RDT tests						
Indicators	Zone 1	Zone 2	Zone 3	Total	Zone	TPR			%Pf		
						2012	2013	Change	2012	2013	Change
No. of persons at risk of malaria (pop of target villages)	381,083	1,362,884	1,587,670	3,348,421	Zone 1	36%	26%	-29%	43%	32%	-26%
No. of LLIN distributed YTD	80	50	1,942	2,072							
No. of LLIHN distributed YTD	0	0	1,607	1,607	Zone 2	22%	18%	-19%	28%	27%	-2%
No. of conventional nets distributed and retreated YTD	10,336	15,399	4,891	30,626							
No. of long lasting nets distributed in previous 3 years	259,370	1,127,125	1,553,787	2,940,282	Zone 3	32%	24%	-24%	60%	59%	-3%
Estimated coverage with LLIN / treated net (1 net / 1 pers)	71%	84%	98%	89%							

National Surveillance data for the period Jan - Sep												
Indicators	HIS treated cases			VMW treated cases			Total treated cases			Incidence (per 1000 pop)		
	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change
Z1 Total malaria cases	2,454	1,221	-50%	3,704	2,282	-38%	6,158	3,503	-43%	16.16	9.19	-43%
Z1 Severe malaria cases	196	53	-73%				196	53	-73%	0.51	0.14	-73%
Z1 Malaria deaths	1	0	-100%	0	0	0%	1	0	-100%	0.00	0.00	-100%
Z2 Total malaria cases	13,655	6,742	-51%	6,958	4,565	-34%	20,613	11,307	-45%	15.12	8.30	-45%
Z2 Severe malaria cases	497	239	-52%				497	239	-52%	0.36	0.18	-52%
Z2 Malaria deaths	3	1	-67%	0	0	0%	3	1	-67%	0.00	0.00	-67%
Z3 Total malaria cases	16,313	8,343	-49%	11,922	6,814	-43%	28,235	15,157	-46%	17.78	9.55	-46%
Z3 Severe malaria cases	766	276	-64%				766	276	-64%	0.48	0.17	-64%
Z3 Malaria deaths	22	4	-82%	0	0	0%	22	4	-82%	0.01	0.00	-82%
Z4 Total malaria cases	2,964	1,718	-42%	4	9	125%	2,968	1,727	-42%	n/a	n/a	n/a
Z4 Severe malaria cases	194	74	-62%				194	74	-62%	n/a	n/a	n/a
Z4 Malaria deaths	9	2	-78%	0	0	0%	9	2	-78%	n/a	n/a	n/a

Malaria Cases per VMW by month



Percentage of Pf cases diagnosed by VMW per month



Surveillance Data by District, Jan-Sep 2013

Province / Op. District	Population (x1000)		Health Facility (HIS)									Village Malaria Workers															Incidence (per 1000 pop)					
			All Cases			Severe			Deaths			All Cases			Treated Pf			Treated Pv			Referred Pf			Referred Pv						TPR		
			2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change
	2012	2013	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	%	%	%	n	n	%
Mongkol Borei	252	258	189	147	-22%	1	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0	0.75	0.57	-24%
Ou Chrov	216	221	118	78	-34%	13	6	-54%	0	0	0%	25	28	12%	14	5	-64%	10	17	70%	1	2	100%	0	4	400%	3%	4%	3%	0.66	0.45	-31%
Preah Net Preah	148	151	43	16	-63%	1	1	0%	0	0	0%	8	0	-100%	0	0	0%	8	0	-100%	0	0	0%	0	0	0%	2%	0%	-100%	0.35	0.11	-69%
Thma Puok	128	131	36	17	-53%	0	2	200%	0	0	0%	27	36	33%	7	18	157%	19	18	-5%	0	0	0%	1	0	-100%	4%	9%	98%	0.48	0.40	-17%
Banteay Meanchey	744	762	386	258	-33%	15	9	-40%	0	0	0%	60	64	7%	21	23	10%	37	35	-5%	1	2	100%	1	4	300%	3%	4%	36%	0.60	0.41	-30%
Thma Koul	219	224	165	75	-55%	4	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.75	0.33	-56%
Mong Russei	179	183	435	173	-60%	5	1	-80%	1	0	-100%	237	81	-66%	83	14	-83%	152	64	-58%	1	0	-100%	1	3	200%	19%	13%	-30%	3.75	1.37	-63%
Sampov Luon	145	148	620	324	-48%	14	6	-57%	0	0	0%	281	135	-52%	76	20	-74%	201	113	-44%	3	1	-67%	1	1	0%	20%	14%	-31%	6.20	3.09	-50%
Battambang	382	391	975	518	-47%	79	14	-82%	1	0	-100%	1188	930	-22%	640	433	-32%	535	484	-10%	11	7	-36%	2	6	200%	32%	29%	-12%	5.63	3.67	-35%
Sangkae	192	196	91	70	-23%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.47	0.36	-25%
Battambang	1126	1153	2286	1160	-49%	102	21	-79%	2	0	-100%	1706	1146	-33%	802	467	-42%	888	661	-26%	15	8	-47%	4	10	150%	27%	24%	-13%	3.53	1.98	-44%
Chamkar Leu - Stueng Trang	172	176	575	230	-60%	29	6	-79%	0	0	0%	282	125	-56%	85	26	-69%	196	99	-49%	1	0	-100%	0	0	0%	39%	24%	-39%	4.97	2.01	-59%
Choeung Prey - Batheay	205	210	126	68	-46%	3	1	-67%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.62	0.32	-47%
Kampong Cham - Kampong Siem	300	307	451	248	-45%	71	25	-65%	4	2	-50%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.50	0.81	-46%
Kroch Chhmar - Stueng Trang	111	113	209	118	-44%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.89	1.04	-45%
Memut	163	167	307	131	-57%	26	2	-92%	0	0	0%	180	116	-36%	47	37	-21%	133	79	-41%	0	0	0%	0	0	0%	14%	8%	-41%	2.99	1.48	-50%
O Reang Ov - Koh Soutin	89	91	438	332	-24%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	4.92	3.64	-26%
Ponhea Krek - Dambae	237	243	1016	509	-50%	9	4	-56%	0	0	0%	173	105	-39%	46	48	4%	127	57	-55%	0	0	0%	0	0	0%	28%	20%	-29%	5.02	2.53	-50%
Prey Chhor - Kang Meas	193	198	252	91	-64%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.30	0.46	-65%
Srei Santhor - Kang Meas	149	152	57	39	-32%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.38	0.26	-33%
Tbong Khmum - Kroch Chhmar	224	229	834	418	-50%	82	28	-66%	3	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	3.72	1.82	-51%
Kampong Cham	1844	1888	4265	2184	-49%	220	66	-70%	7	2	-71%	635	346	-46%	179	111	-38%	456	235	-48%	1	0	-100%	0	0	0%	24%	14%	-42%	2.66	1.34	-50%
Kampong Chhnang	234	240	303	172	-43%	20	15	-25%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.29	0.72	-45%
Kampong Tralach	160	163	305	119	-61%	15	5	-67%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.91	0.73	-62%
Boribo	124	126	201	83	-59%	6	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.63	0.66	-60%
Kampong Chhnang	518	530	809	374	-54%	41	20	-51%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.56	0.71	-55%
Kampong Speu.	429	440	731	270	-63%	42	5	-88%	0	0	0%	964	435	-55%	333	162	-51%	628	256	-59%	0	2	200%	3	15	400%	30%	23%	-26%	3.94	1.56	-60%
Kong Pisey	246	252	710	259	-64%	18	2	-89%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	2.89	1.03	-64%
Ou Dongk	112	115	445	278	-38%	4	4	0%	0	0	0%	277	137	-51%	100	63	-37%	175	73	-58%	0	0	0%	2	1	-50%	28%	21%	-27%	6.41	3.60	-44%
Kampong Speu	788	807	1886	807	-57%	64	11	-83%	0	0	0%	1241	572	-54%	433	225	-48%	806	330	-59%	0	2	200%	5	16	220%	30%	22%	-26%	3.97	1.69	-57%
Baray and Santuk	254	260	541	237	-56%	6	3	-50%	0	0	0%	306	74	-76%	118	26	-78%	158	38	-76%	21	3	-86%	9	7	-22%	31%	11%	-66%	3.21	1.16	-64%
Kampong Thom	294	301	642	280	-56%	64	24	-63%	5	1	-80%	1314	775	-41%	489	216	-56%	729	527	-28%	37	5	-86%	59	27	-54%	32%	27%	-16%	6.34	3.40	-46%
Stong	146	150	150	63	-58%	7	4	-43%	1	0	-100%	279	152	-46%	81	39	-52%	198	113	-43%	0	0	0%	0	0	0%	17%	10%	-44%	2.93	1.43	-51%
Kampong Thom	694	711	1333	580	-56%	77	31	-60%	6	1	-83%	1899	1001	-47%	688	282	-59%	1085	678	-38%	58	8	-86%	68	34	-50%	28%	19%	-31%	4.48	2.17	-52%
Angkor Chey	113	116	73	48	-34%	8	3	-63%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.64	0.41	-36%
Chhouk	209	214	672	374	-44%	59	35	-41%	0	0	0%	571	230	-60%	111	58	-48%	460	172	-63%	0	0	0%	0	0	0%	28%	15%	-46%	5.95	2.82	-53%
Kampong Trach	164	168	96	31	-68%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.59	0.19	-68%
Kampot	158	161	640	190	-70%	11	1	-91%	0	0	0%	257	114	-56%	80	49	-39%	177	65	-63%	0	0	0%	0	0	0%	31%	54%	74%	5.69	1.88	-67%
Kampot	643	659	1481	643	-57%	78	39	-50%	0	0	0%	828	344	-58%	191	107	-44%	637	237	-63%	0	0	0%	0	0	0%	29%	20%	-31%	3.59	1.50	-58%

Surveillance Data by District, Jan-Sep 2013

Province / Op. District	Population (x1000)		Health Facility (HIS)									Village Malaria Workers															Incidence (per 1000 pop)						
			All Cases			Severe			Deaths			All Cases			Treated Pf			Treated Pv			Referred Pf			Referred Pv						TPR			
			2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	
	2012	2013	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	%	%	%	n	n	%	
Ang Snuol	0	0	31	14	-55%	0	0	0%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Kean Svay	0	0	7	36	414%	0	1	100%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Koh Thom	0	0	90	68	-24%	0	0	0%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Ksach Kandal	0	0	56	36	-36%	0	0	0%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Muk Kam Poul	0	0	62	21	-66%	5	0	-100%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Ponhea Leu	0	0	3	31	933%	0	0	0%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Saang	0	0	32	35	9%	0	0	0%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Takhmau	0	0	62	3	-95%	1	1	0%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Kandal	1390	1424	343	244	-29%	6	2	-67%	0	0	0%	0	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.25	0.17	-31%	
Smach Mean Chey	63	65	258	78	-70%	16	7	-56%	0	0	0%	207	68	-67%	53	28	-47%	154	40	-74%	0	0	0%	0	0	0%	17%	13%	-26%	7.35	2.25	-69%	
Srae Ambel	67	68	113	45	-60%	8	5	-38%	0	0	0%	20	6	-70%	3	2	-33%	16	4	-75%	0	0	0%	1	0	-100%	20%	10%	-52%	1.98	0.75	-62%	
Koh Kong	129	132	371	123	-67%	24	12	-50%	0	0	0%	227	74	-67%	56	30	-46%	170	44	-74%	0	0	0%	1	0	-100%	17%	12%	-29%	4.62	1.49	-68%	
Chhlong	100	102	949	386	-59%	173	22	-87%	1	0	-100%	199	110	-45%	85	46	-46%	113	62	-45%	1	1	0%	0	1	100%	26%	25%	-3%	11.49	4.83	-58%	
Kratie	244	250	2365	1325	-44%	102	42	-59%	4	0	-100%	2224	1603	-28%	1546	1156	-25%	677	444	-34%	1	1	0%	0	2	200%	45%	42%	-7%	18.82	11.72	-38%	
Kratie	350	359	3314	1711	-48%	275	64	-77%	5	0	-100%	2423	1713	-29%	1633	1203	-26%	790	508	-36%	2	2	0%	0	3	300%	42%	39%	-8%	16.38	9.54	-42%	
Sen Monorom	65	67	1102	893	-19%	8	4	-50%	0	1	100%	1025	657	-36%	632	398	-37%	391	259	-34%	2	0	-100%	0	0	0%	33%	0%	-100%	32.50	23.15	-29%	
Mondul Kiri	67	69	1102	893	-19%	8	4	-50%	0	1	100%	1025	657	-36%	632	398	-37%	391	259	-34%	2	0	-100%	0	0	0%	33%	25%	-24%	31.69	22.57	-29%	
Cheung	0	0	1	1	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Kandal	0	0	176	67	-62%	3	1	-67%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Lech	0	0	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Tbong	0	0	17	23	35%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
MOH Central Office	0	0	218	115	-47%	117	47	-60%	5	2	-60%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Phnom Penh	1456	1491	412	206	-50%	120	48	-60%	5	2	-60%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.28	0.14	-51%	
Tbeng Meanchey	181	185	3303	1875	-43%	181	102	-44%	0	0	0%	1230	1173	-5%	434	386	-11%	750	771	3%	16	10	-38%	30	6	-80%	19%	16%	-15%	24.82	16.38	-34%	
Preah Vihear	185	190	3303	1875	-43%	181	102	-44%	0	0	0%	1230	1173	-5%	434	386	-11%	750	771	3%	16	10	-38%	30	6	-80%	19%	16%	-15%	24.22	15.98	-34%	
Kamchay Mear	0	0	135	73	-46%	4	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Kampong Trabek	0	0	28	5	-82%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Mesang	0	0	9	2	-78%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Neak Loeung	0	0	34	51	50%	1	4	300%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Peareang	0	0	65	31	-52%	0	9	900%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Preah Sdach	0	0	97	32	-67%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Prey Veng	0	0	14	27	93%	8	2	-75%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%				0%
Prey Veng	1041	1066	382	221	-42%	13	15	15%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.37	0.21	-44%	
Bakan	137	141	400	157	-61%	9	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	2.91	1.12	-62%	
Sampov Meas	299	306	2011	718	-64%	75	13	-83%	0	0	0%	1792	921	-49%	788	239	-70%	994	680	-32%	5	1	-80%	5	1	-80%	50%	30%	-40%	12.70	5.35	-58%	
Pursat	436	446	2411	875	-64%	84	13	-85%	0	0	0%	1792	919	-49%	788	238	-70%	994	680	-32%	5	1	-80%	5	1	-80%	50%	30%	-40%	9.62	4.02	-58%	
Ratanakiri	166	170	3015	1599	-47%	92	60	-35%	1	0	-100%	3322	1259	-62%	2282	814	-64%	1037	445	-57%	3	0	-100%	0	0	0%	27%	16%	-42%	38.20	16.83	-56%	
Ratanak Kiri	165	169	3015	1599	-47%	92	60	-35%	1	0	-100%	3322	1259	-62%	2282	814	-64%	1037	445	-57%	3	0	-100%	0	0	0%	27%	16%	-42%	38.35	16.90	-56%	

Surveillance Data by District, Jan-Sep 2013

Province / Op. District	Population (x1000)		Health Facility (HIS)									Village Malaria Workers															Incidence (per 1000 pop)					
			All Cases			Severe			Deaths			All Cases			Treated Pf			Treated Pv			Referred Pf			Referred Pv						TPR		
			2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change	2012	2013	Change
	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	n	n	%	%	%	Change %	n	n	%		
Kralanh	89	91	194	132	-32%	22	13	-41%	0	0	0%	160	156	-3%	86	86	0%	73	70	-4%	1	0	-100%	0	0	0%	6%	7%	15%	3.97	3.16	-20%
Siem Reap	395	404	990	489	-51%	71	10	-86%	2	1	-50%	645	145	-78%	180	27	-85%	446	117	-74%	6	1	-83%	13	0	-100%	32%	12%	-64%	4.09	1.56	-62%
Sot Nikum	278	285	979	536	-45%	1	0	-100%	0	0	0%	453	211	-53%	160	53	-67%	293	157	-46%	0	0	0%	0	1	100%	24%	14%	-39%	5.15	2.62	-49%
Ankor Chhum	215	220	820	349	-57%	0	1	100%	0	0	0%	393	149	-62%	120	44	-63%	268	101	-62%	1	1	0%	4	3	-25%	15%	8%	-49%	5.62	2.24	-60%
Siem Reap	980	1003	2983	1506	-50%	94	24	-74%	2	1	-50%	1647	654	-60%	544	208	-62%	1079	441	-59%	8	2	-75%	17	4	-76%	18%	10%	-47%	4.70	2.15	-54%
Sihanouk	241	247	237	106	-55%	3	0	-100%	0	0	0%	49	8	-84%	11	5	-55%	37	3	-92%	0	0	0%	1	0	-100%	38%	27%	-30%	1.18	0.46	-61%
Sihanoukville	243	249	237	106	-55%	3	0	-100%	0	0	0%	49	8	-84%	11	5	-55%	37	3	-92%	0	0	0%	1	0	-100%	38%	27%	-30%	1.17	0.46	-61%
Steung Treng	122.02	124.95	1708	867	-49%	47	30	-36%	3	0	-100%	2739	1894	-31%	1807	1218	-33%	922	667	-28%	9	4	-56%	1	5	400%	35%	32%	-9%	36.36	22.02	-39%
Stung Treng	122.02	124.95	1708	867	-49%	47	30	-36%	3	0	-100%	2739	1894	-31%	1807	1219	-33%	922	667	-28%	9	4	-56%	1	5	400%	35%	32%	-9%	36.36	22.03	-39%
Chi Phu	0.00	0.00	13	6	-54%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%			0%
Romeas Hek	0.00	0.00	89	16	-82%	9	4	-56%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%			0%
Svay Rieng	0.00	0.00	91	21	-77%	20	1	-95%	3	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%			0%
Svay Rieng	530.83	543.57	193	43	-78%	29	5	-83%	3	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.36	0.08	-78%
Ang Rokar	127.17	130.22	507	190	-63%	8	2	-75%	0	0	0%	23	0	-100%	1	0	-100%	22	0	-100%	0	0	0%	0	0	0%	0%	0%	0%	4.17	1.46	-65%
Bati	199.98	204.78	29	34	17%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.15	0.17	14%
Daun Keo	202.75	207.61	90	31	-66%	10	0	-100%	1	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.44	0.15	-66%
Kirivong	248.82	254.79	170	116	-32%	2	0	-100%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.68	0.46	-33%
Prey Kabass	150.09	153.69	16	9	-44%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	0.11	0.06	-45%
Takeo	928.80	951.09	812	380	-53%	20	2	-90%	1	0	-100%	23	0	-100%	1	0	-100%	22	0	-100%	0	0	0%	0	0	0%	26%	0%	-100%	0.90	0.40	-56%
Samraong	202.75	207.61	1972	1178	-40%	51	59	16%	0	0	0%	1711	1734	1%	171	196	15%	1511	1447	-4%	4	42	950%	25	49	96%	30%	30%	0%	18.02	13.59	-25%
Oddar Meanchey	202.75	207.61	1972	1178	-40%	51	59	16%	0	0	0%	1711	1734	1%	171	197	15%	1513	1447	-4%	4	42	950%	25	49	96%	30%	30%	0%	18.03	13.59	-25%
Kep	39.31	40.25	48	24	-50%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.22	0.60	-51%
Kep	39.31	40.25	48	24	-50%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0	0	0%	0%	0%	0%	1.22	0.60	-51%
Pailin	77.38	79.23	334	166	-50%	9	5	-44%	0	0	0%	337	342	1%	49	63	29%	260	253	-3%	25	3	-88%	3	23	667%	28%	26%	-9%	8.31	6.08	-27%
Pailin	77.37	79.23	334	166	-50%	9	5	-44%	0	0	0%	337	342	1%	52	63	21%	260	253	-3%	25	3	-88%	3	23	667%	28%	26%	-9%	8.35	6.08	-27%
National Total	14702.42	15055.15	35386	18023	-49%	1653	642	-61%	35	7	-80%	22894	13900	-39%	10725	5976	-44%	#####	7694	-35%	149	84	-44%	161	155	-4%	28%	22%	-23%	3.94	2.11	-47%

Malaria Bulletin Ver 2 - Generated from CNM Malaria Database on 23/12/2013 17:01:27 including data from Online MOH HIS

CAMBODIA MALARIA BULLETIN

MALARIA TRENDS IN BORDER AREAS*



* HIS data from health facilities serving border villages plus VMW data from border villages (<10km from the border).