

Table 1. Percentage change in laboratory confirmed malaria cases, inpatient cases and deaths in 2010 compared to pre-intervention period (2000–2005) in hospitals and potential proportion of population protected by ITN, Rwanda, 2000-2010

E endemicity	Province	District	Hospital	Microscopy						Inpatient malaria cases			Malaria deaths			Confirmed cases/1000 population			Inpatient malaria cases/1000 population			Malaria deaths/100,000 population			Potential proportion of population protected by ITN (%)					Potential proportion of malaria cases treated with ACT at district level (%)		
				Confirmed (Positive)			Slide positivity rate (SPR)			Average		Average		Average		Average		Average		Average		2006	2007	2008	2009	2010	2008	2009	2010			
				(2000-05)	2010	% change	(2000-05)	2010	% change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	(2000-05)	2010 change	
High	East	Bugesera	Nyamata	2,179	334	-85	53	8	-85	592	631	7	23	34	48	8	1	-88	2	2	-14	8	10	21	46	69	67	33	27	93	91	76
High	East	Gatsibo	Kiziguro	955	336	-65	45	12	-74	1,367	946	-31	35	31	-11	3	1	-71	4	3	-43	12	8	-28	43	65	63	61	57	86	123	64
High	East	Gatsibo	Ngarama	1,313	435	-67	36	12	-67	2,746	562	-80	132	48	-64	4	1	-73	9	2	-83	43	13	-70	43	65	63	61	57	86	123	64
High	East	Kayanza	Gahini	777	476	-39	36	9	-75	776	413	-47	33	20	-40	3	2	-49	3	2	-56	15	7	-52	45	71	69	36	95	93	70	65
High	East	Ngoma	Kibungo	1,998	274	-86	30	7	-76	1,916	638	-67	79	35	-56	8	1	-89	7	2	-72	31	11	-64	44	68	66	36	91	137	110	84
High	East	Nyagatare	Nyagatare	2,107	527	-75	46	26	-44	1,156	1,536	33	68	42	-39	8	2	-80	4	5	9	25	13	-50	42	67	65	112	106	80	92	89
High	East	Rwamagana	Rwamagana	2,971	807	-73	43	14	-68	3,352	1,178	-65	93	8	-91	13	3	-78	14	4	-71	39	3	-93	46	67	65	30	90	104	91	86
Subtotal (high transmission, East province)				12,302	3,189	-74	41	12	-70	11,904	5,904	-50	464	218	-53	7	1	-79	6	3	-59	25	9	-62	44	67	65	53	75	103	91	81
Low	North	Gakenke	Ruli	769	34	-96	35	3	-92	1,466	61	-96	40	4	-90	2	0	-96	4	0	-97	12	1	-92	38	59	58	32	76	74	112	100
Low	North	Gakenke	Nemba	2,166	125	-94	27	4	-87	548	84	-85	38	8	-79	6	0	-95	2	0	-88	11	2	-83	38	59	58	32	76	74	112	100
Low	North	Gicumbi	Byumba	186	158	-15	11	7	-37	668	175	-74	41	18	-56	0	0	-32	2	0	-79	11	4	-65	33	53	52	29	22	62	76	121
Low	North	Musanze	Ruhengeri	1,450	123	-92	24	2	-92	1,470	240	-84	44	12	-73	4	0	-93	4	1	-87	13	3	-77	38	61	59	32	24	101	113	84
Low	North	Rulindo	Rutongo	1,113	117	-89	41	10	-76	1,006	117	-88	23	10	-57	4	0	-91	4	0	-90	9	3	-65	28	48	47	20	40	161	153	113
Subtotal, North province				5,684	557	-90	138	25	-82	5,159	677	-87	185	52	-72	4	0	-92	3	0	-89	11	3	-77	35	56	55	29	48	108	114	106
Low	South	Gisagara	Gakoma	1,246	234	-81	46	9	-80	183	554	203	9	9	5	4	1	-85	1	2	147	3	3	-13	37	58	56	36	33	127	125	101
Low	South	Kamonyi	Remera-Rukoma	1,782	442	-75	28	16	-41	1,077	284	-74	50	10	-80	6	1	-80	4	1	-78	18	3	-84	48	68	67	29	79	97	91	97
Low	South	Muhanga	Kabgayi	2,208	305	-86	48	6	-88	1,804	790	-56	40	34	-14	7	1	-89	6	2	-64	13	9	-28	52	70	68	27	76	125	90	98
Low	South	Nyamagabe	Kaduha	273	135	-51	25	5	-79	369	53	-86	15	3	-80	1	0	-59	1	0	-88	5	1	-83	41	64	62	38	83	83	87	93
Low	South	Nyamagabe	Kigeme	585	69	-88	22	6	-72	474	147	-69	35	20	-43	2	0	-90	2	0	-74	11	5	-52	41	64	62	38	83	83	87	93
Low	South	Nyanza	Nyanza	1,281	788	-38	45	25	-44	1,255	500	-60	41	30	-27	5	3	-49	5	2	-67	17	10	-41	37	55	53	30	88	93	92	98
Low	South	Ruhango	Gitwe	1,390	310	-78	43	15	-64	738	73	-90	22	-	-100	5	1	-82	3	0	-92	8	0	-100	51	71	69	33	95	92	139	539
Subtotal, South province				6,129	1,739	-72	168	59	-65	4,978	1,774	-64	180	97	-46	4	1	-76	4	1	-71	13	6	-56	44	64	62	32	82	101	95	97
Low	West	Karongi	Kibuye	645	178	-72	28	6	-80	634	183	-71	22	15	-32	2	0	-78	2	1	-77	8	4	-46	17	39	38	34	84	86	91	94
Low	West	Karongi	Kirinda	1,136	114	-90	31	7	-76	1,074	141	-87	20	5	-75	4	0	-92	4	0	-89	7	1	-80	17	39	38	34	84	86	91	94
Low	West	Karongi	Mugonero	360	214	-41	49	12	-75	483	186	-62	18	5	-72	1	1	-51	2	1	-68	6	1	-77	17	39	38	34	84	86	91	94
Low	West	Ngororero	Muhororo	1,016	154	-85	52	6	-89	432	199	-54	17	10	-42	3	0	-88	1	1	-63	6	3	-55	35	56	55	32	90	79	98	80
Low	West	Nyamashoke	Bushenge	279	89	-68	24	6	-74	751	207	-72	45	19	-58	1	0	-75	2	0	-78	13	4	-66	30	51	50	32	28	114	114	84
Low	West	Nyamashoke	Kibogora	1,447	596	-59	25	8	-67	1,320	290	-78	48	8	-83	4	1	-67	4	1	-82	14	2	-87	30	51	50	32	28	114	114	84
Low	West	Ngororero	Kabaya	259	151	-42	20	8	-58	290	75	-74	17	14	-15	1	0	-53	1	0	-79	6	4	-33	35	56	55	32	90	79	98	80
Low	West	Rubavu	Gisenyi	843	403	-52	30	7	-76	1,688	227	-87	91	24	-74	3	1	-62	5	1	-89	30	6	-79	33	57	55	34	95	80	91	93
Low	West	Rusizi	Gihundwe	1,347	133	-90	25	5	-80	1,773	213	-88	35	19	-45	4	0	-92	5	0	-90	10	4	-55	32	54	53	32	28	56	74	100
Low	West	Rusizi	Mibirizi	1,060	263	-75	42	10	-77	1,064	576	-46	34	41	20	3	1	-79	3	1	-56	10	9	-2	32	54	53	32	28	56	74	100
Low	West	Rustsiro	Murunda	695	194	-72	23	4	-83	421	132	-69	14	10	-29	3	1	-78	2	0	-75	5	3	-44	24	45	44	32	28	145	122	83
Subtotal, West province				4,267	939	-78	197	39	-80	3,475	1,234	-64	104	71	-32	3	1	-78	3	1	-80	10	4	-62	27	49	48	33	61	113	102	110
Subtotal (low, transmissison North, South and West provonice together)				6,358	1,713	-73	36	8	-79	5,428	1,707	-69	174	94	-46	4	1	-80	3	1	-78	11	4	-65	34	55	54	32	63	107	104	104
Total				28,381	6,423	-77	35	10	-73	25,516	9,589	-62	932	438	-53	4	1	-80	4	1	-71	14	5	-64	38	59	58	32	76	105	97	93

A negative percentage indicate a decrease of the indicator.