



**Republic of Kenya**  
**Ministry of Public Health and Sanitation**

**WEEKLY EPIDEMIOLOGICAL BULLETIN**

**Week 20**

**Week Ending 22<sup>nd</sup> May 2011**

Provincial & national surveillance indicators for week 20

Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	11	11	77	100	100	92
Coast	13	12	12	92	92	100	94
Eastern	28	27	27	77	96	100	91
Nairobi	3	3	3	69	100	100	90
N. Eastern	11	11	11	69	100	100	90
Nyanza	21	20	20	83	95	100	92
R. Valley	43	42	42	81	98	100	93
Western	19	17	17	90	89	100	92
<b>National</b>	<b>149</b>	<b>143</b>	<b>143</b>	<b>81</b>	<b>96</b>	<b>100</b>	<b>92</b>

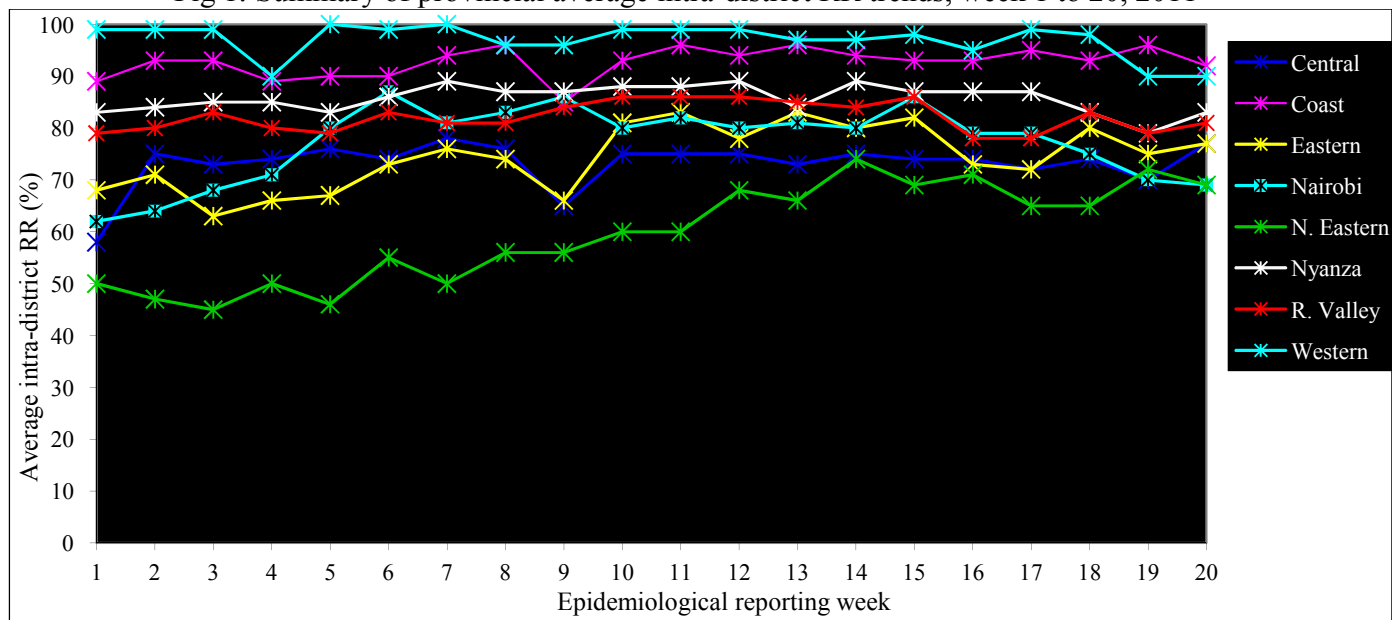
⊕ Western Province markedly declined in reporting performance

⊕ 14 new measles cases confirmed in week 20 in 9 districts

⊕ Total confirmed measles cases in the country now 156 by week 20

⊕ Measles vaccination campaign commenced in 23 districts during epi week 18 and lasted 11 days

Fig 1: Summary of provincial average intra-district RR trends, week 1 to 20, 2011



**Reports not received from the following 6 districts**

Tana Delta, Tharaka, Kuria West, Samburu North, Bungoma East, Vihiga

## Division of Disease Surveillance & Response

Fig. 2: Confirmed measles cases (n=156), week 1 to 20, 2011

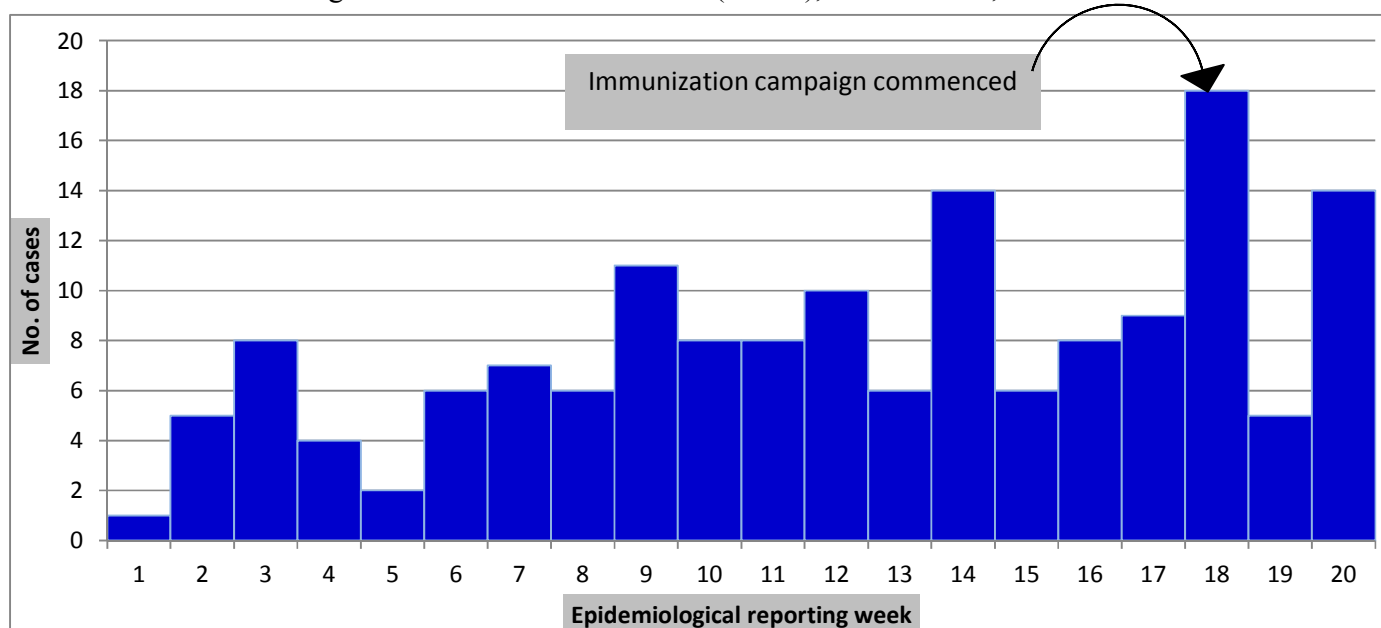
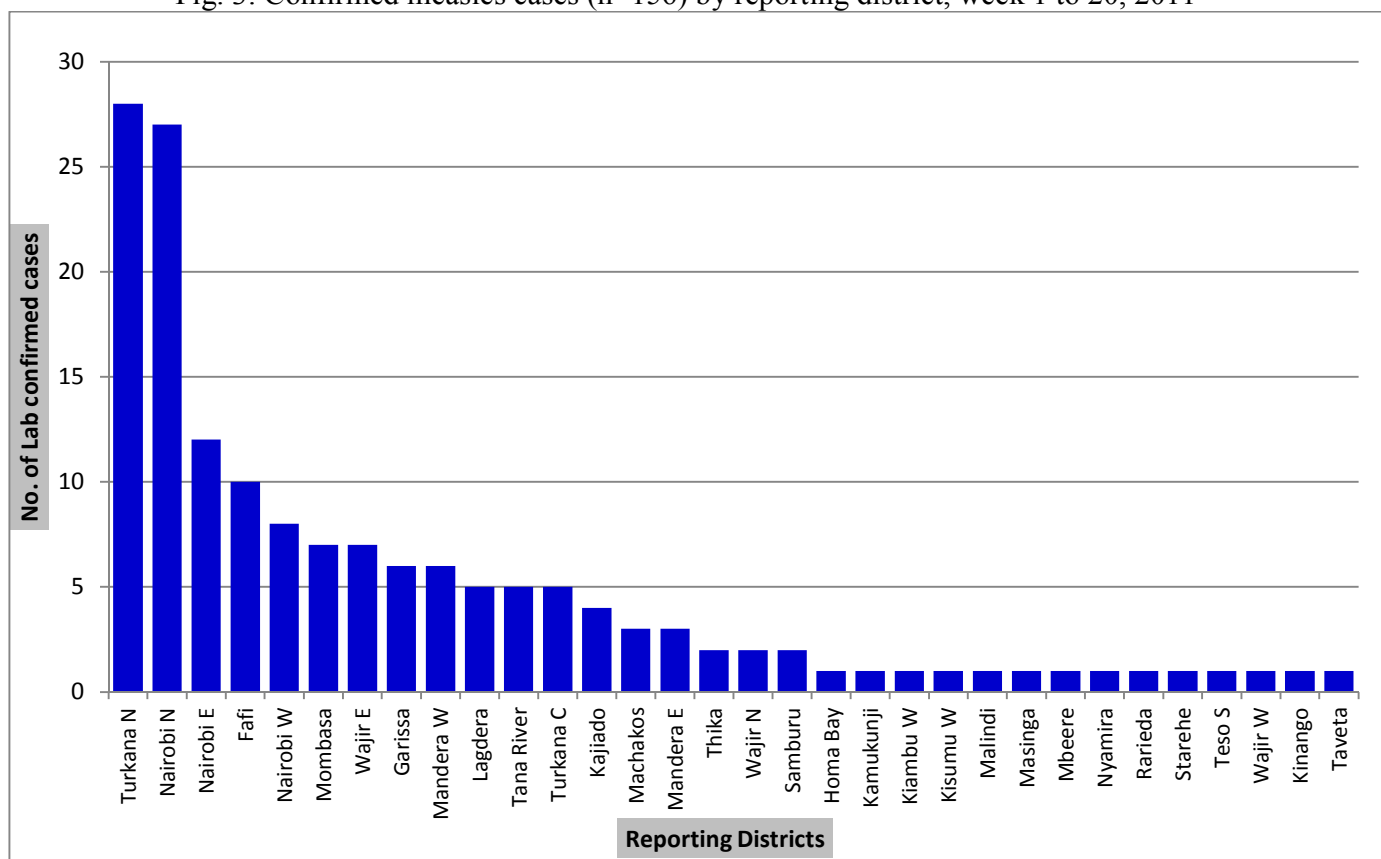
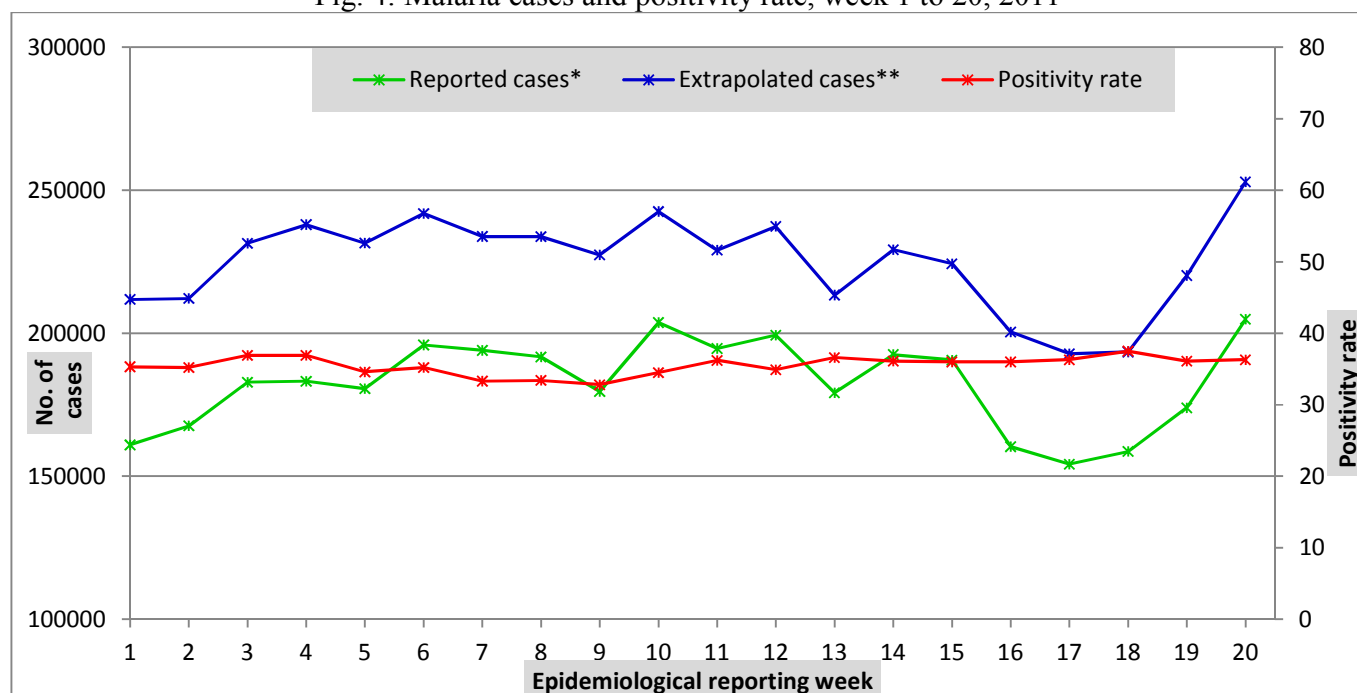


Fig. 3: Confirmed measles cases (n=156) by reporting district, week 1 to 20, 2011



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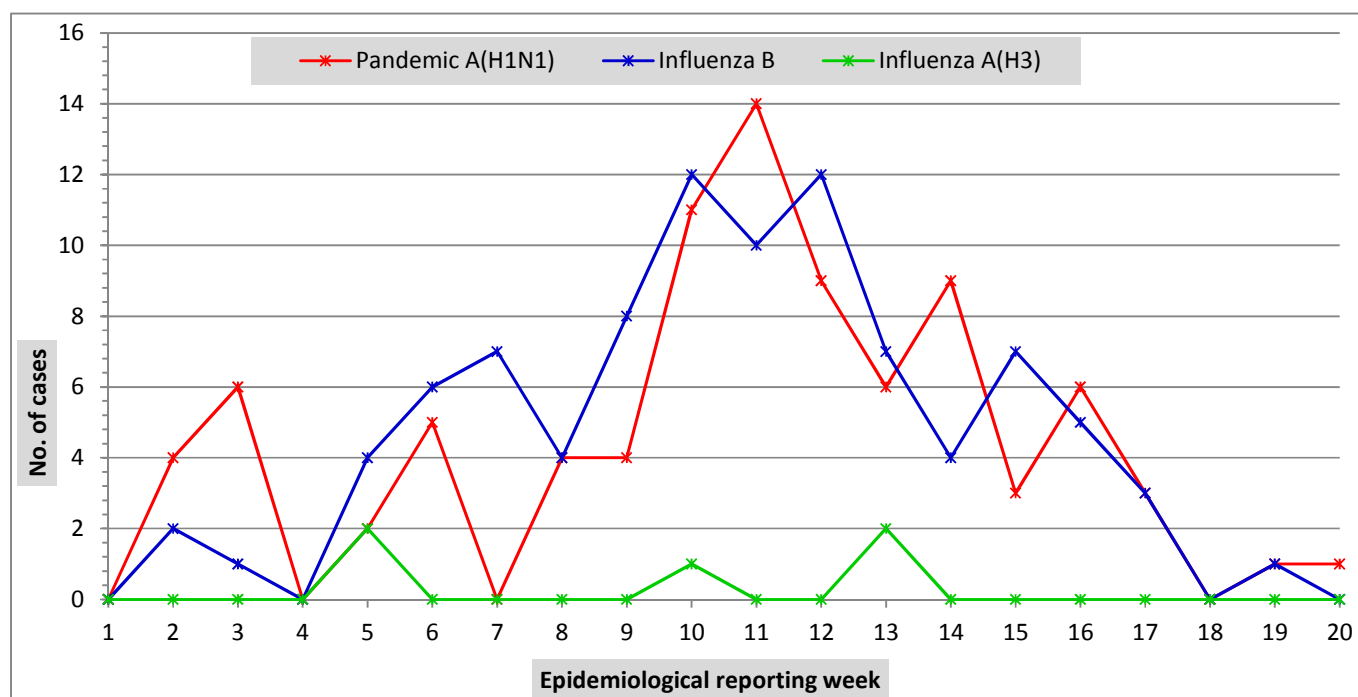
Fig. 4: Malaria cases and positivity rate, week 1 to 20, 2011



\* Cases reported by health facilities that submitted weekly reports during the reporting week

\*\* Extrapolated from reported cases considering the intra-district reporting rate for the week

Fig. 5: Confirmed cases\* of selected influenza virus types, week 1 to 20, 2011



\* Ministry of Public Health and Sanitation and the Walter Reed Program influenza surveillance system

## Division of Disease Surveillance & Response

### Highlights for the week

<p>✚ Nationally:</p> <ul style="list-style-type: none"> <li>○ The surveillance weighted aggregate score rose from 91% in week 19 to 92% in week 20</li> <li>○ The number of districts that reported also improved from 142 (95%) to 143 (96%) in week 20</li> <li>○ The intra-district average reporting rate improved from 79% in week 19 to 81% in week 20</li> </ul> <p>✚ Best performing provinces in week 20 of 2011:</p> <ul style="list-style-type: none"> <li>○ District reporting rate: All districts in Central, Nairobi and North Eastern provinces reported while only 89% of the districts in Western province and 92% of those in Coast province reported</li> <li>○ Intra-district facility reporting rate: Coast (92%) and Western (90%) provinces had the highest facility reporting rate while only 69% of health facilities in Nairobi and North Eastern provinces reported</li> </ul> <p>✚ Most improved provinces in week 20 of 2011:</p> <ul style="list-style-type: none"> <li>○ Intra-district facility RR: Central (70% to 77%) and Nyanza (79% to 83%) provinces improved the most while Coast (96% to 92%) and North Eastern (72% to 69%) dropped the most in performance in the week</li> <li>○ District reporting rate: While only Central (91% to 100%) and Nyanza (90% to 95%) provinces improved, Coast (100% to 92%) is the only province that declined in performance in week 20</li> </ul> <p>✚ Forty four (30%) districts [a rise from thirty seven (25) districts in week 19] attained 100% intra-district reporting rate</p>	<p><b>Cholera</b></p> <p>✚ Zero cases were reported in the week</p> <p><b>Measles</b></p> <p>✚ 47 suspected cases (a rise from 38 in week 19) were reported from 19 districts, with no reported death</p> <ul style="list-style-type: none"> <li>○ The cases were reported from the following districts: Kajiado (15), Wajir East (6), Kirinyaga (3), Loitokitok (3), Kisumu West (2), Kitui (2), Nyandarua North (2), Nyamira (2), Molo (2), Turkana Central (1), Siaya (1), Rachuonyo (1), Meru South (1), Maara (1), Rarieda (1), Naivasha (1), Kinango (1), Mombasa (1) and Nakuru Central (1)</li> </ul> <p>✚ The laboratory surveillance system investigated 47 case specimen from 26 districts</p> <ul style="list-style-type: none"> <li>○ Fourteen (30%) specimen tested positive for measles IgM.</li> <li>○ The specimen were submitted from Turkana North (3), Nairobi West (2), Samburu (2), Wajir East (2), Kinango (1), Machakos (1), Nairobi East (1), Nairobi North (1) and Taveta (1) districts</li> <li>○ Eight (17%) specimen tested positive for rubella</li> </ul> <p><b>Dysentery</b></p> <p>✚ Reported cases rose from 1,296 in week 19 to 1,596 in week 20 with no death</p> <p><b>Typhoid fever</b></p> <p>✚ Reported cases rose from 5,328 to 5,447 in week 20 with no death</p> <p><b>AFP</b></p> <p>✚ Three cases were reported in the week with no death</p> <p>✚ The cases were reported from Kinango (1), Nyando (1) and Bomet (1) districts</p> <p><b>Meningococcal Meningitis</b></p> <p>✚ Three cases were reported in the week with one death</p> <p>✚ All the case and death were reported from Turkana South district</p> <p><b>NNT</b></p> <p>✚ Zero cases were reported in the week</p> <p><b>Influenza (Walter Reed Influenza Surveillance)</b></p> <p>✚ Fifty five specimen were processed by the national influenza center</p> <ul style="list-style-type: none"> <li>○ One (1.8%) tested positive for pandemic influenza A (H1N1)</li> <li>○ None tested positive for influenza A (H1), influenza A (H3), influenza A (H5) and influenza B virus</li> </ul>
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### Disease specific reports

#### **Malaria**

- ✚ Reported cases rose from 173,943 to 204,884 in week 20
- ✚ Mortality also marginally rose 23 cases in week 19 to 24 cases in week 24
  - The deaths were reported from: Bungoma South (8), Kaloleni (5), Kitui (2), Makueni (2), Meru South (2), Nandi East (2), Kibwezi (1), Rachuonyo (1) and Nakuru Central (1) districts
- ✚ Overall, 89,221 (44%) cases were laboratory tested, yielding a positivity rate of 36.3%

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Summary of Weekly Integrated Disease Surveillance and Response Report for week 20

Province	District	Reports Expected	%RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHFIs	Other *	AFP	NNT
				Cases	Tested	+ve											
Central																	
	Gatundu	42	90	280(0)	280	5	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu East	36	94	941(0)	1509	266	0(0)	180(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	54	75	347(0)	608	55	0(0)	111(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga	89	58	1123(0)	1313	35	0(0)	2(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Murang'a North	49	83	508(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)
	Murang'a South	40	60	423(0)	559	0	0(0)	116(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	86	394(0)	600	108	0(0)	145(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	31	80	118(0)	94	6	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	92	1(0)	247	1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri South	54	53	299(0)	295	7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Thika	100	85	1122(0)	835	28	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Coast																	
	Kaloleni	18	94	1200(5)	555	125	0(0)	4(0)	91(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	39	100	1668(0)	874	258	0(0)	0(0)	92(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	100	2056(0)	2094	893	0(0)	32(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kinango	21	95	2144(0)	635	174	0(0)	0(0)	35(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Kwale	21	90	1182(0)	479	106	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	33	93	435(0)	208	18	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Malindi	47	93	1357(0)	683	80	0(0)	0(0)	59(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mombasa	35	100	1569(0)	3880	717	0(0)	11(0)	8(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	100	755(0)	586	124	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	48	100	914(0)	1242	162	0(0)	1(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	16	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Tana River	21	85	507(0)	198	147	0(0)	5(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	13	100	502(0)	661	141	0(0)	11(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Eastern																	
	Chalbi	12	58	86(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)
	Embu	58	37	3612(0)	2956	1249	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	%RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHFIs	Other *	AFP	NNT
				Cases	Tested	+ve											
	Garbatula	14	85	322(0)	17	3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe	52	82	3255(0)	1910	1086	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti North	55	100	2732(0)	3746	1519	0(0)	91(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti South	65	100	3747(0)	3527	1962	0(0)	148(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isiolo	25	64	493(0)	312	37	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kangundo	28	67	531(0)	122	4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kibwezi	29	100	1631(1)	592	151	0(0)	62(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kitui	80	95	3605(2)	907	550	0(0)	20(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kyuso	27	88	650(0)	105	34	0(0)	3(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laisamis	12	91	135(0)	34	24	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Maara	29	100	2024(0)	1318	678	0(0)	38(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Machakos	49	38	440(0)	461	151	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makueni	43	90	1941(2)	566	264	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marsabit	12	91	216(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)
	Mbeere	32	87	2061(0)	544	261	0(0)	3(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbooni	24	70	4019(0)	420	46	0(0)	12(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru South	25	100	2290(2)	1385	742	0(0)	53(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Moyale	21	95	223(0)	105	6	0(0)	36(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mutomo	20	95	630(0)	141	31	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwala	32	90	1165(0)	384	150	0(0)	61(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nairobi	Mwingi	45	42	526(0)	0	0	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nzau	43	51	891(0)	229	68	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tharaka	20	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Tigania	28	60	1569(0)	363	154	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Yatta	47	100	1985(0)	460	214	0(0)	84(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru Central	22	68	888(0)	0	0	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi East	57	75	2949(0)	2197	374	0(0)	165(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi North	81	53	1336(0)	405	146	0(0)	247(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi West	71	83	845(0)	596	159	0(0)	102(0)	79(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	%RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHFIs	Other *	AFP	NNT
				Cases	Tested	+ve											
North Eastern																	
	Fafi	11	73	56(0)	112	6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	23	39	336(0)	717	173	0(0)	16(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	10	60	287(0)	136	46	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	13	92	237(0)	41	13	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	14	85	304(0)	53	4	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	75	123(0)	85	16	0(0)	0(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	87	212(0)	85	41	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	15	86	307(0)	125	68	0(0)	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	6	83	160(0)	46	35	0(0)	4(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	15	53	174(0)	22	1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	12	58	259(0)	41	20	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nyanza																	
	Bondo	26	92	3094(0)	1451	753	0(0)	114(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	81	1301(0)	244	24	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	35	94	1630(0)	319	217	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	42	100	2770(0)	1816	888	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	44	88	2302(0)	1046	61	0(0)	68(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	100	879(0)	502	107	0(0)	17(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	96	6844(0)	1553	590	0(0)	34(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	22	100	2352(0)	171	121	0(0)	15(0)	35(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	16	68	617(0)	68	43	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Manga	17	94	145(0)	134	21	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	87	954(0)	310	18	0(0)	101(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	52	98	2090(0)	722	331	0(0)	11(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	48	97	1014(0)	565	47	0(0)	29(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	47	40	1742(0)	310	185	0(0)	70(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Rachuonyo	56	42	1809(1)	444	238	0(0)	86(0)	16(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarieda	22	100	2534(0)	1370	636	0(0)	70(0)	16(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	%RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHFIs	Other *	AFP	NNT
				Cases	Tested	+ve											
	Rongo	40	100	2013(0)	886	484	0(0)	5(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Siaya	72	93	8763(0)	2609	1470	0(0)	188(0)	125(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	41	92	1449(0)	409	132	0(0)	24(0)	55(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	94	929(0)	269	29	0(0)	22(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Rift Valley																	
	Baringo	50	92	784(0)	178	60	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	37	54	351(0)	97	47	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	42	100	1462(0)	474	50	0(0)	51(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)	0(0)
	Buret	32	100	1789(0)	474	92	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	17	47	241(0)	0	0	0(0)	12(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	37	100	1581(0)	729	185	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	100	1861(0)	791	287	0(0)	86(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	63	77	1716(0)	612	98	0(0)	109(0)	10(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	45	86	1390(0)	247	41	0(0)	59(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	93	1466(0)	330	247	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	98	29	698(0)	91	15	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Koibatek	34	100	760(0)	419	100	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	18	100	1239(0)	379	138	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	85	145(0)	36	2	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	88	107(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)
	Laikipia West	27	92	793(0)	0	0	0(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	23	78	509(0)	0	0	0(0)	11(0)	18(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	61	73	349(0)	96	0	0(0)	28(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	91	355(0)	0	0	0(0)	9(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	88	1075(0)	287	84	0(0)	79(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru Central	45	97	395(1)	790	27	0(0)	113(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	34	91	858(0)	260	106	0(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	26	88	647(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)
	Nandi East	32	84	3147(2)	444	156	0(0)	14(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	24	79	1294(0)	451	134	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)



Province	District	Reports Expected	%RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHFIs	Other *	AFP	NNT
				Cases	Tested	+ve											
Western	Nandi South	18	94	1653(0)	140	67	0(0)	62(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	32	100	541(0)	310	81	0(0)	73(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	73	1112(0)	202	41	0(0)	24(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	20	100	826(0)	313	107	0(0)	72(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot North	14	78	414(0)	258	48	0(0)	19(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	13	84	312(0)	0	0	0(0)	4(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	9	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Sotik	30	100	1043(0)	337	36	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	100	240(0)	176	35	0(0)	35(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Mara	48	83	1400(0)	267	10	0(0)	17(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	24	95	1052(0)	1085	408	0(0)	164(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	24	100	1570(0)	538	140	0(0)	8(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	40	65	1683(0)	509	321	0(0)	28(0)	26(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	61	446(0)	769	106	0(0)	2(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	22	45	514(0)	87	42	0(0)	1(0)	26(0)	0(0)	3(1)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	94	1133(0)	918	210	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	91	1068(0)	336	185	0(0)	81(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	24	79	351(0)	0	0	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																	
	Mt Elgon	16	100	1382(0)	1150	532	0(0)	91(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma East	13	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Bungoma North	21	100	1868(0)	944	656	0(0)	76(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma South	22	100	4482(8)	1893	1075	0(0)	165(0)	193(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma West	20	100	2274(0)	0	0	0(0)	120(0)	46(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bunyala	7	100	308(0)	190	63	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	31	100	4440(0)	2157	1391	0(0)	364(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	18	100	4301(0)	997	492	0(0)	68(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	100	1825(0)	766	382	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central	28	100	5585(0)	2432	996	0(0)	69(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East	14	100	1620(0)	1010	258	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	%RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF	Other *	AFP	NNT
				Cases	Tested	+ve											
	Kakamega North	19	100	2467(0)	1167	760	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South	11	100	1693(0)	767	370	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	3623(0)	890	249	0(0)	138(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	100	3532(0)	1436	517	0(0)	107(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	10	100	812(0)	114	77	0(0)	15(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	21	100	8328(0)	718	305	0(0)	97(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	21	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Emuhaya	22	100	1646(0)	262	177	0(0)	59(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Week 20 summary	0 (0)	1,596 (0)	204,884 (24)	89,221	32,343	47 (0)	3 (1)	5,447 (0)	0 (0)	3 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1 (0)	24,930 (1)	3,648,820 (532)	1,684,507	597,787	1,202 (4)	34 (2)	112,265 (3)	2 (0)	17 (0)	0 (0)	0 (0)	0 (0)

Key:

DNR: District did not report for this disease

AFP: Acute Flaccid Paralysis

NNT: Neonatal Tetanus

HF: Health Facilities

Timely reports: Reports received before Wednesday

Intra-district: Proportion of health facilities reporting in a district

Timeliness: Proportion of districts in a province/country reporting on time

Weighted Aggregate Score: Composite Surveillance Score (3 for Timeliness, 2 for Completeness and 1 for Complete reports)

MM: Meningococcal Meningitis

VHF: Viral Hemorrhagic Fever

NEP: North Eastern Province

% RR: Health Facility reporting rate for this week

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