



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

**WEEKLY EPIDEMIOLOGICAL BULLETIN**

**Week 33**

**Week ending 22<sup>nd</sup> August 2010**

Provincial & national surveillance indicators for week 33

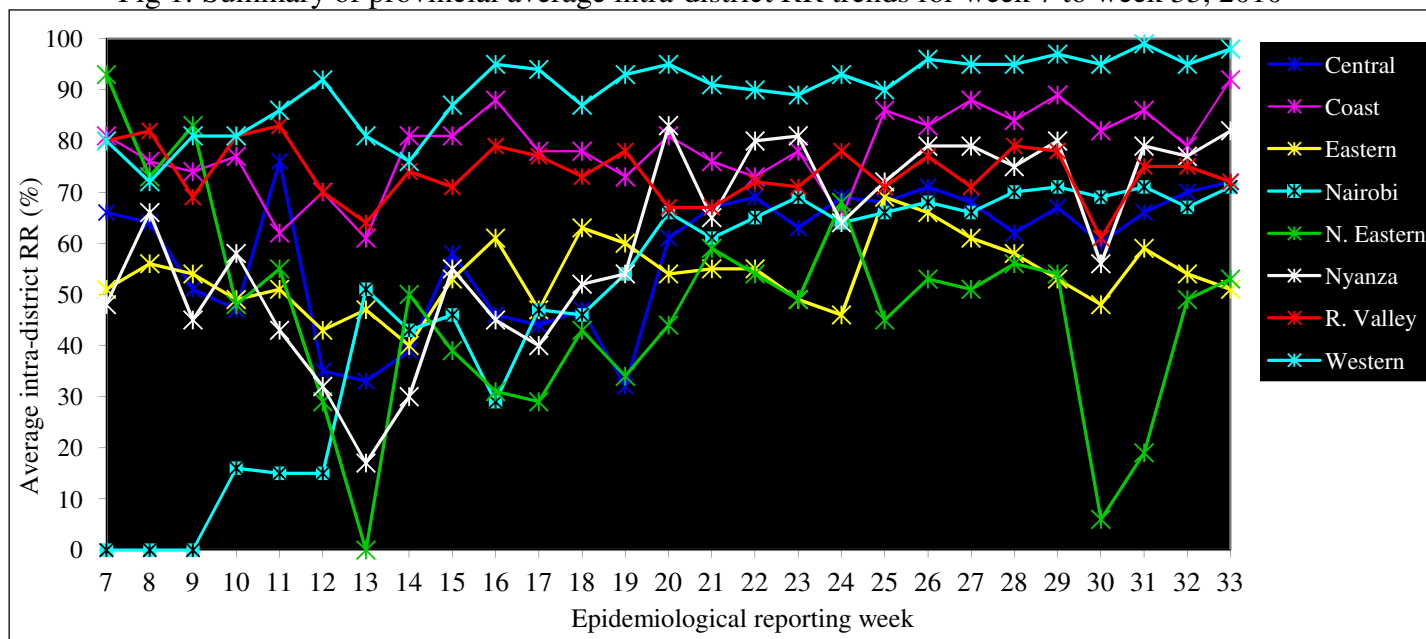
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	11	11	72	100	100	91
Coast	13	13	13	92	100	100	97
Eastern	28	22	22	51	79	100	73
Nairobi	3	3	3	71	100	100	90
N. Eastern	11	10	10	53	91	100	80
Nyanza	21	20	20	82	95	100	92
R. Valley	43	40	40	72	93	100	87
Western	19	19	19	98	100	100	99
<b>National</b>	<b>149</b>	<b>138</b>	<b>138</b>	<b>72</b>	<b>93</b>	<b>100</b>	<b>87</b>

✦ The national average district reporting rate improved to 93%

✦ The national weighted aggregate score also improved to 87%

✦ All districts in Central, Coast, Nairobi and Western provinces reported

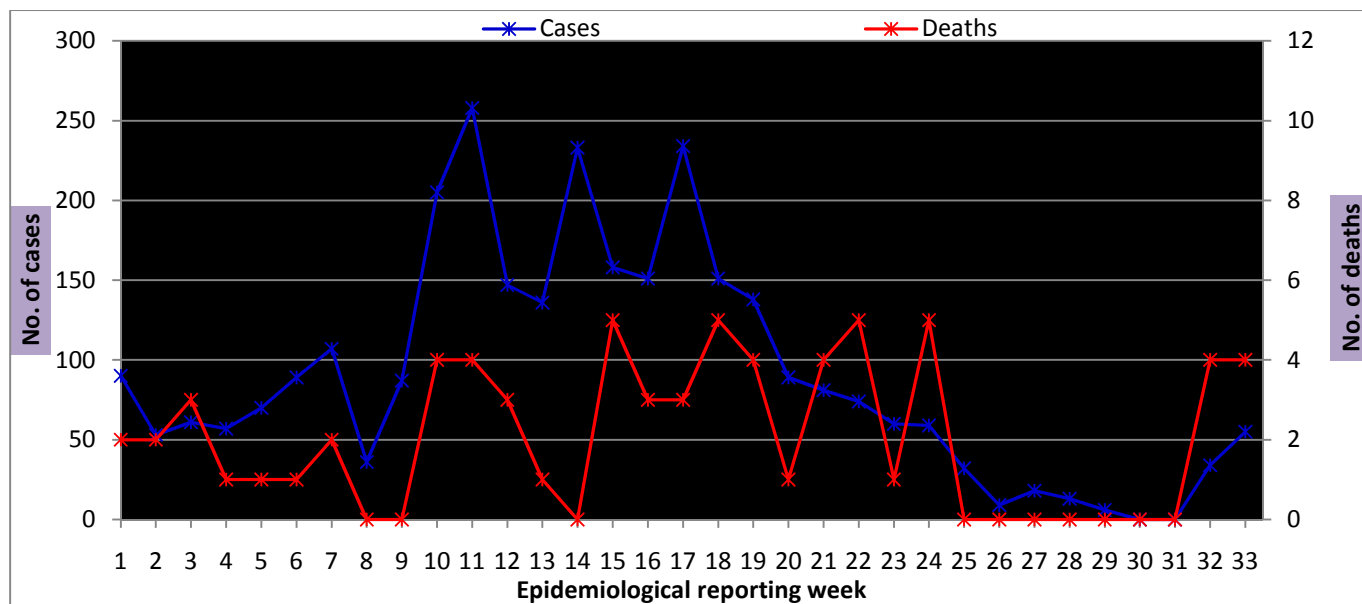
Fig 1: Summary of provincial average intra-district RR trends for week 7 to week 33, 2010



**Reports not received from the following 11 Districts**

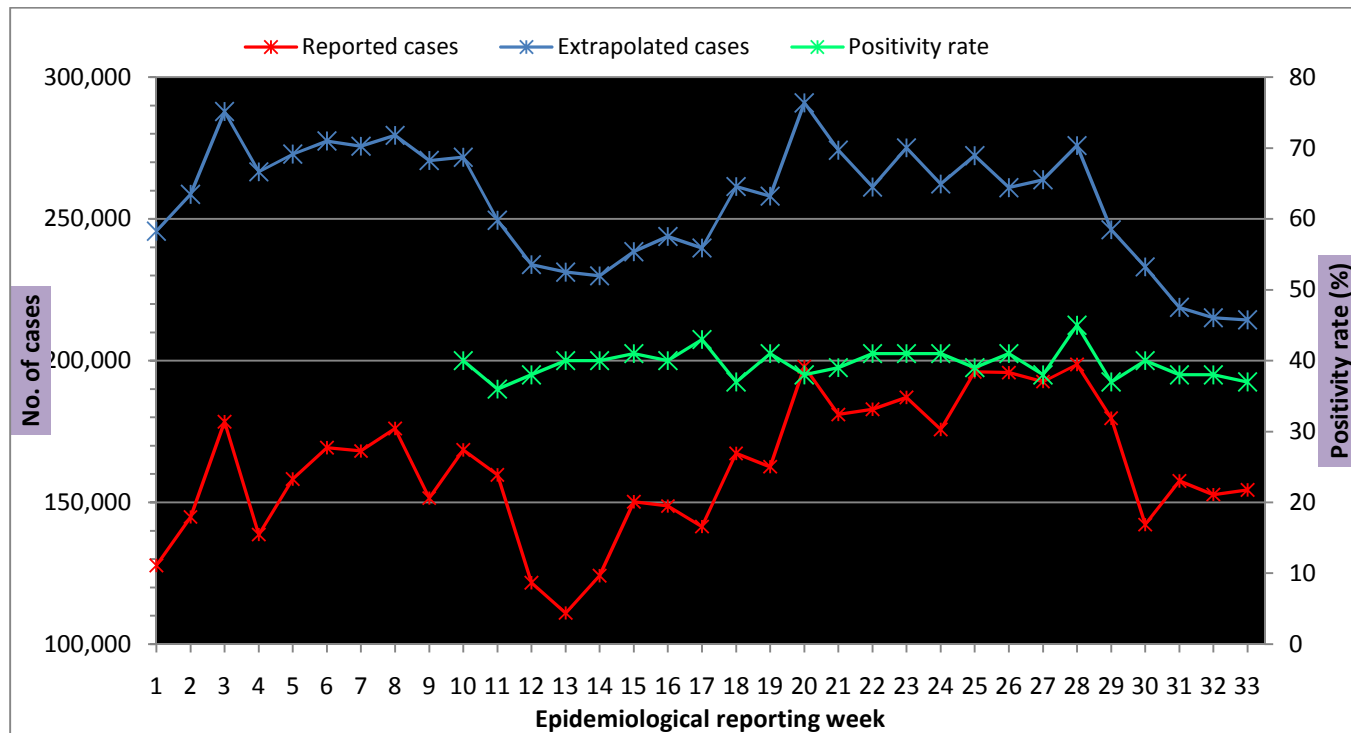
Imenti South, Isiolo, Machakos, Makueni, Moyale, Yatta, Wajir South, Kisii South, Baringo, Eldoret West, Narok North

Fig. 2: Cholera\*\* cases and deaths from week 1 to week 33



\*\* Derived from daily updates (line-lists and active DDSR inquiry). A national DDSR officer calls districts in cholera outbreak every morning to get updates. Therefore figures might not be same as those from routine weekly data reports

Fig. 3: Malaria cases (reported\* and extrapolated\*\*) and positivity rate, week 1 to week 33



\* 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

## Highlights for the week

	Disease specific reports
<p>⊕ Nationally:</p> <ul style="list-style-type: none"> <li>The surveillance weighted aggregate score improved from 86% in week 32 to 87% in week 33</li> <li>The number of districts that submitted reports on time rose from 136 (91%) to 138 (93%)</li> <li>The intra-district average reporting rate improved from 71% in week 32 to 72% in week 33</li> </ul> <p>⊕ Best performing provinces in week 33:</p> <ul style="list-style-type: none"> <li>Western (99%), Coast (97%), Nyanza (92%), Central (91%) and Nairobi (90%) provinces had the highest surveillance weighted aggregate score while Eastern (73%) and North Eastern (80%) province had the lowest score</li> <li>All districts in Central, Coast, Nairobi and Western provinces reported in week 33 while only 79% of the districts in Eastern province reported</li> <li>Western (98%) and Coast (92%) provinces had the highest intra-district facility reporting rate while Eastern (51%) and N. Eastern (53%) had the lowest rates</li> </ul> <p>⊕ Most improved provinces in week 33:</p> <ul style="list-style-type: none"> <li>Intra-district facility RR: Coast (79% to 92%) and Nyanza (77% to 82%) provinces improved the most while Eastern (54% to 51%) and Rift Valley (75% to 72%) are the only provinces that declined</li> </ul> <p>⊕ District reporting rate: Coast province (85% to 100%) improved in performance while all the other provinces maintained performance</p> <p>⊕ Stability: Western and Nairobi (for 13 weeks now) are the most stable provinces while North Eastern and Eastern are the most unstable provinces</p> <p>⊕ The following 32 (21%) districts [up from 29 (19%) in week 32] attained 100% intra-district reporting rate: Kiambu East, Kaloleni, Kilindini, Taita, Taveta, Maara, Meru South, Gucha, Manga, Masaba, Nyamira, Rarienda, Laikipia East, Sotik, Trans Nzoia East, Trans Nzoia West, Wareng, Bunyala, Busia, Butere, East Bungoma, Emuhaya, Kakamega Central, Kakamega East, Kakamega North, Kakamega South, Lugari, Mumias, North Bungoma, Samia, South Bungoma, West Bungoma</p>	<p><b>Cholera</b></p> <ul style="list-style-type: none"> <li>⊕ Zero cholera cases (same since week 29) were reported in week 33</li> <li>⊕ Kuria West district notified of a diarrheal disease outbreak <ul style="list-style-type: none"> <li>⊕ Tests on the last day of the epidemiological week confirmed cholera though the district did not report the cases during the week</li> </ul> </li> </ul> <p><b>Measles</b></p> <ul style="list-style-type: none"> <li>⊕ Thirteen suspected cases (a fall from 19 cases in week 32) were reported with no death</li> <li>⊕ The cases were reported from Nakuru North (3), Transmara (3), Kirinyaga (2), Taita (2), Maara (1), Nyando (1) and Naivasha (1) districts</li> <li>⊕ The lab surveillance system investigated 13 case specimen from 8 districts <ul style="list-style-type: none"> <li>⊕ None of the specimen was classified positive for measles</li> <li>⊕ Six (46%) tested positive for rubella</li> </ul> </li> </ul> <p><b>Malaria</b></p> <ul style="list-style-type: none"> <li>⊕ Reported cases rose from 152,754 in week 32 to 154,373</li> <li>⊕ Mortality also rose from 10 cases to 34 cases</li> <li>⊕ Overall, 57,390 cases (37%) were laboratory tested, yielding a positivity rate of 37%</li> </ul> <p><b>Dysentery</b></p> <ul style="list-style-type: none"> <li>⊕ Reported cases rose from 915 in week 32 to 1,341 with 2 deaths (South Bungoma and Teso districts 1 case each)</li> </ul> <p><b>Typhoid fever</b></p> <ul style="list-style-type: none"> <li>⊕ Reported cases marginally declined from 4,077 in week 32 to 4,043 in week 33 with no death</li> </ul> <p><b>AFP</b></p> <ul style="list-style-type: none"> <li>⊕ One suspected cases was reported from Nyamira district</li> <li>⊕ Results tested negative for polio virus</li> </ul> <p><b>Meningococcal Meningitis</b></p> <ul style="list-style-type: none"> <li>⊕ Zero cases were reported in the week</li> </ul> <p><b>NNT</b></p> <ul style="list-style-type: none"> <li>⊕ Zero cases were reported in the week</li> </ul> <p><b>Influenza surveillance weekly laboratory information (Courtesy of the Walter Reed Project &amp; NIC)</b></p> <ul style="list-style-type: none"> <li>⊕ 37 (69%) out of the 54 specimen received in the week were processed</li> <li>⊕ Four (11%) tested positive for influenza A (H3)</li> <li>⊕ None tested positive for Pandemic A (H1N1), Influenza A (H1), Influenza A (H5) or Influenza B</li> </ul>

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### Summary of Weekly Integrated Disease Surveillance and Response Report for week 33

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Central																
	Gatundu	43	88	0(0)	0(0)	341(0)	0	0	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu East	34	100	0(0)	0(0)	1190(0)	1674	277	0(0)	0(0)	166(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	54	67	0(0)	0(0)	351(0)	503	105	0(0)	0(0)	85(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga	87	67	0(0)	1(0)	847(0)	679	81	2(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Murang'a North	41	56	0(0)	0(0)	421(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Murang'a South	40	45	0(0)	0(0)	392(0)	51	7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	90	0(0)	0(0)	283(0)	0	0	0(0)	0(0)	75(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	22	95	0(0)	0(0)	135(0)	156	16	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	80	0(0)	0(0)	306(0)	395	25	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri South	52	42	0(0)	0(0)	113(0)	6	2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Thika	100	79	0(0)	0(0)	1702(0)	911	28	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Coast																
	Kaloleni	14	100	0(0)	22(0)	874(0)	344	65	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	39	97	0(0)	59(0)	2182(0)	611	191	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	100	0(0)	27(0)	1604(0)	1374	708	0(0)	0(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kinango	21	95	0(0)	16(0)	2807(0)	338	82	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwale	36	86	0(0)	0(0)	383(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	33	91	0(0)	0(0)	1262(0)	321	27	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Malindi	47	77	0(0)	0(0)	1482(0)	475	95	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mombasa	30	97	0(0)	0(0)	1146(0)	1111	117	0(0)	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	86	0(0)	0(0)	164(0)	115	26	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	44	100	0(0)	0(0)	722(0)	922	168	2(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	16	94	0(0)	13(0)	804(0)	109	10	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana River	21	76	0(0)	8(0)	506(0)	372	170	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	12	100	0(0)	0(0)	554(0)	340	100	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Eastern																
	Chalbi	11	45	0(0)	0(0)	37(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu	70	57	0(0)	0(0)	2453(0)	2104	972	0(0)	0(0)	76(0)	0(0)	0(0)	0(0)	0(0)	0(0)

[illegible]

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
North Eastern																
	Fafi	4	50	0(0)	0(0)	102(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	23	57	0(0)	4(0)	688(0)	688	311	0(0)	0(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	9	44	0(0)	0(0)	690(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	14	64	0(0)	4(0)	495(0)	135	9	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	11	82	0(0)	9(0)	368(0)	0	0	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	50	0(0)	0(0)	280(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	50	0(0)	0(0)	249(0)	0	0	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	8	63	0(0)	3(0)	177(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	9	67	0(0)	7(0)	290(0)	0	0	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	8	50	0(0)	0(0)	101(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	11	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Nyanza																
	Bondo	26	92	0(0)	47(0)	1950(1)	778	406	0(0)	0(0)	74(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	63	0(0)	0(0)	1332(0)	0	0	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	35	100	0(0)	0(0)	1953(0)	630	142	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	42	88	0(0)	6(0)	3498(6)	2432	664	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	42	90	0(0)	6(0)	2319(0)	1062	54	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kisumu East	54	87	0(0)	2(0)	3964(0)	1367	596	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	22	91	0(0)	39(0)	2243(1)	413	208	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	13	85	0(0)	5(0)	373(0)	63	39	0(0)	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	83	0(0)	1(0)	1213(0)	0	0	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	17	100	0(0)	2(0)	195(0)	172	39	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	100	0(0)	9(0)	1241(0)	392	35	0(0)	0(0)	78(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	42	76	0(0)	13(0)	2170(0)	194	92	0(0)	0(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	45	100	0(0)	0(0)	1066(0)	403	23	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)
	Nyando	42	67	0(0)	2(0)	1509(0)	491	324	1(0)	0(0)	45(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo	34	74	0(0)	6(0)	1780(0)	0	0	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarienda	19	100	0(0)	0(0)	2095(0)	857	551	0(0)	0(0)	91(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Rongo	31	81	0(0)	36(0)	1540(0)	348	140	0(0)	0(0)	66(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Siaya	72	46	0(0)	159(0)	3779(0)	922	351	0(0)	0(0)	107(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	95	0(0)	0(0)	1395(0)	301	79	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	41	98	0(0)	130(0)	1578(1)	240	80	0(0)	0(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Rift Valley																
	Baringo	50	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Baringo North	36	75	0(0)	4(0)	650(0)	0	0	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	38	95	0(0)	0(0)	1417(0)	328	30	0(0)	0(0)	46(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bureti	32	84	0(0)	0(0)	1095(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	DNR	0(0)	0(0)
	East Pokot	9	56	0(0)	21(0)	245(0)	0	0	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	36	97	0(0)	0(0)	1326(0)	738	187	0(0)	0(0)	73(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	35	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kajiado	35	49	0(0)	24(0)	697(0)	83	63	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	36	83	0(0)	0(0)	628(0)	163	18	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	83	0(0)	0(0)	810(0)	192	15	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	38	92	0(0)	0(0)	654(0)	0	0	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Koibatek	31	81	0(0)	0(0)	536(0)	254	67	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	17	88	0(0)	0(0)	1070(0)	324	146	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	100	0(0)	1(0)	337(0)	0	0	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	89	0(0)	2(0)	133(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia West	25	88	0(0)	0(0)	934(0)	0	0	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	23	65	0(0)	70(0)	580(0)	0	0	0(0)	0(0)	43(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	54	81	0(0)	47(0)	1562(0)	432	285	0(0)	0(0)	111(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	76	0(0)	3(0)	696(2)	0	0	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	89	0(0)	19(0)	1583(0)	483	374	1(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru	45	96	0(0)	0(0)	399(1)	774	50	0(0)	0(0)	61(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	33	88	0(0)	0(0)	990(0)	444	137	3(0)	0(0)	101(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	22	50	0(0)	0(0)	540(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi East	32	66	0(0)	25(0)	759(0)	369	58	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	20	90	0(0)	0(0)	655(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	18	83	0(0)	0(0)	933(0)	99	30	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Narok North	29	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Narok South	30	73	0(0)	43(0)	325(0)	189	29	0(0)	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Pokot	12	75	0(0)	4(0)	795(0)	524	196	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	18	89	0(0)	0(0)	678(0)	283	102	0(0)	0(0)	82(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	16	44	0(0)	3(0)	96(0)	0	0	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	15	7	0(0)	0(0)	55(0)	0	0	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	9	33	0(0)	1(0)	149(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	29	100	0(0)	0(0)	1239(0)	192	19	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	80	0(0)	0(0)	277(0)	153	31	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	20	100	0(0)	0(0)	899(0)	713	288	0(0)	0(0)	104(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	22	100	0(0)	14(0)	1749(1)	663	284	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Transmara	39	67	0(0)	2(0)	662(0)	194	11	3(0)	0(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	31	52	0(0)	13(0)	1287(0)	393	220	0(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	21	76	0(0)	28(0)	687(1)	992	201	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	20	60	0(0)	8(0)	475(0)	91	59	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	37	100	0(0)	0(0)	929(0)	528	175	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	92	0(0)	0(0)	1495(3)	618	205	0(0)	0(0)	114(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bunyala	7	100	0(0)	0(0)	991(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	27	100	0(0)	24(0)	3890(0)	1369	747	0(0)	0(0)	178(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	16	100	0(0)	18(0)	3195(0)	1117	778	0(0)	0(0)	67(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Bungoma	17	100	0(0)	0(0)	1840(8)	1198	677	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	22	100	0(0)	2(0)	1565(0)	595	292	0(0)	0(0)	50(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	77	0(0)	0(0)	1095(2)	261	173	0(0)	0(0)	43(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central (Lurambi)	29	100	0(0)	3(0)	3934(0)	1819	690	0(0)	0(0)	133(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East (Shinyalu)	12	100	0(0)	0(0)	1612(0)	693	154	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North (Malava)	18	100	0(0)	0(0)	1325(2)	620	331	0(0)	0(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South (Ikolomani)	10	100	0(0)	0(0)	1130(0)	107	54	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	0(0)	5(0)	2163(0)	0	0	0(0)	0(0)	73(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	94	0(0)	0(0)	947(0)	0	0	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	100	0(0)	6(0)	2207(0)	1066	661	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)



Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	North Bungoma	18	100	0(0)	43(0)	1652(0)	1001	580	0(0)	0(0)	68(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	9	100	0(0)	5(0)	655(0)	107	52	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	22	100	0(0)	25(1)	3296(5)	912	317	0(0)	0(0)	89(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	90	0(0)	22(1)	2614(0)	565	164	0(0)	0(0)	109(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	21	95	0(0)	0(0)	2322(0)	1571	446	0(0)	0(0)	64(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	100	0(0)	20(0)	2357(0)	1207	756	0(0)	0(0)	54(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 33 summary	0 (0)	1,341 (2)	154,373 (34)	57,390	21,233	13 (0)	0 (0)	4,043 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1,782 (27)	39,645 (24)	5,362,523 (1,233)	1,279,334	505,403	613 (0)	92 (15)	123,468 (9)	2 (1)	27 (0)	0 (0)	0 (0)	0 (0)

\* From week 10 of 2010 (Excludes week 1 up to week 9)

Key:

DNR: District did not report for this disease

AFP: Acute Flaccid Paralysis

NNT: Neonatal Tetanus

HF: Health Facilities

MM: Meningococcal Meningitis

VHF: Viral Hemorrhagic Fever

NEP: North Eastern Province

% RR: Health Facility reporting rate for this week

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)

**Editorial:** Dr. D. Mutonga, Dr. C. Nzioka, Dr. M. Ope, Dr. D. Langat, Dr. P. Muthoka, Dr. O. Shikanga, C. Njuguna, J. Njau, J. Njoroge, H. Limo, Z. Irura, M. Badel, C. Maina, E. Kathini, R. Kalani, D. Mwangi, A. Muange, J. Ayaga, P. Njiru