



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

## WEEKLY EPIDEMIOLOGICAL BULLETIN

**Week 09**

**Week ending 6<sup>th</sup> March 2011**

Provincial & national surveillance indicators for week 09

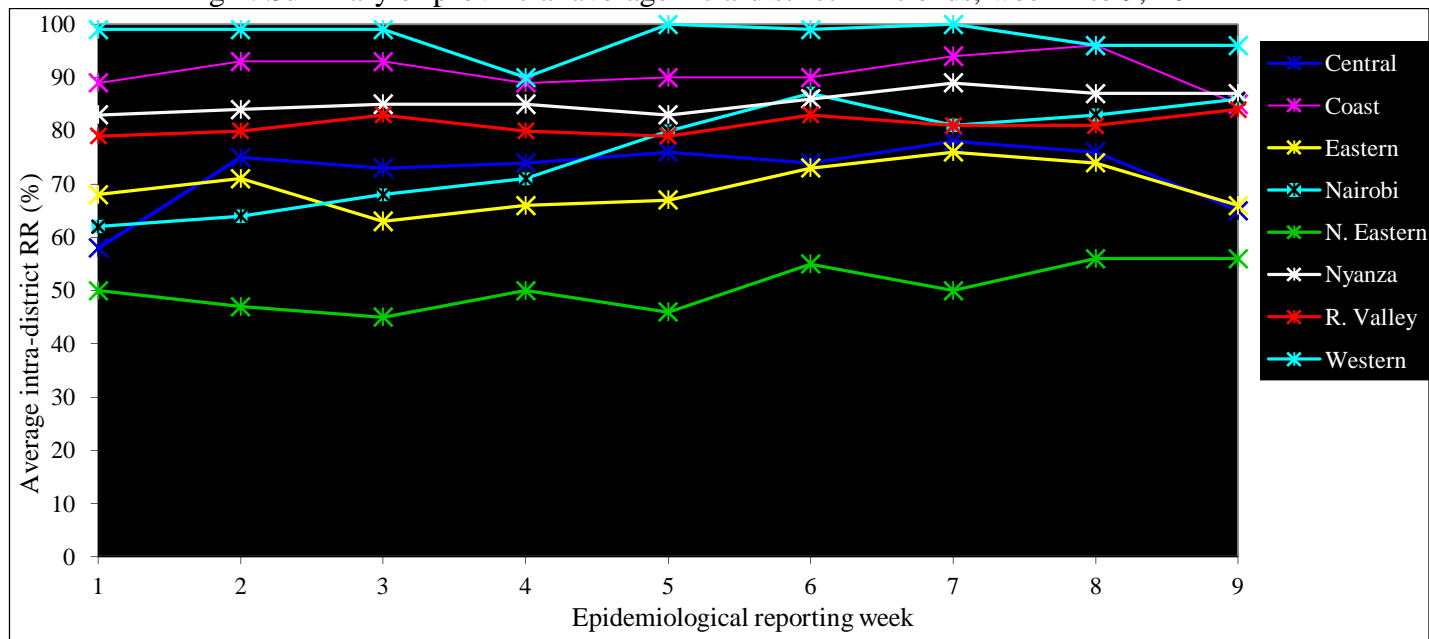
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	10	10	65	91	100	84
Coast	13	12	12	85	92	100	91
Eastern	28	24	24	66	86	100	82
Nairobi	3	3	3	86	100	100	95
N. Eastern	11	11	11	56	100	100	85
Nyanza	21	21	21	87	100	100	96
R. Valley	43	43	43	84	100	100	95
Western	19	19	19	96	100	100	99
<b>National</b>	<b>149</b>	<b>143</b>	<b>143</b>	<b>79</b>	<b>96</b>	<b>100</b>	<b>91</b>

✦ Eleven new measles cases were confirmed in Fafi (3), Nairobi N (2), Turkana N (2), Lagdera (1), Nairobi E (1), Turkana S (1) and Wajir E (1)

✦ Cumulative country confirmed measles cases are 50 from 12 districts

✦ Nairobi N (12), Turkana N (8), Mandera W (6), Wajir E (5), Fafi (5), and Nairobi E (4) have reached epidemic threshold levels

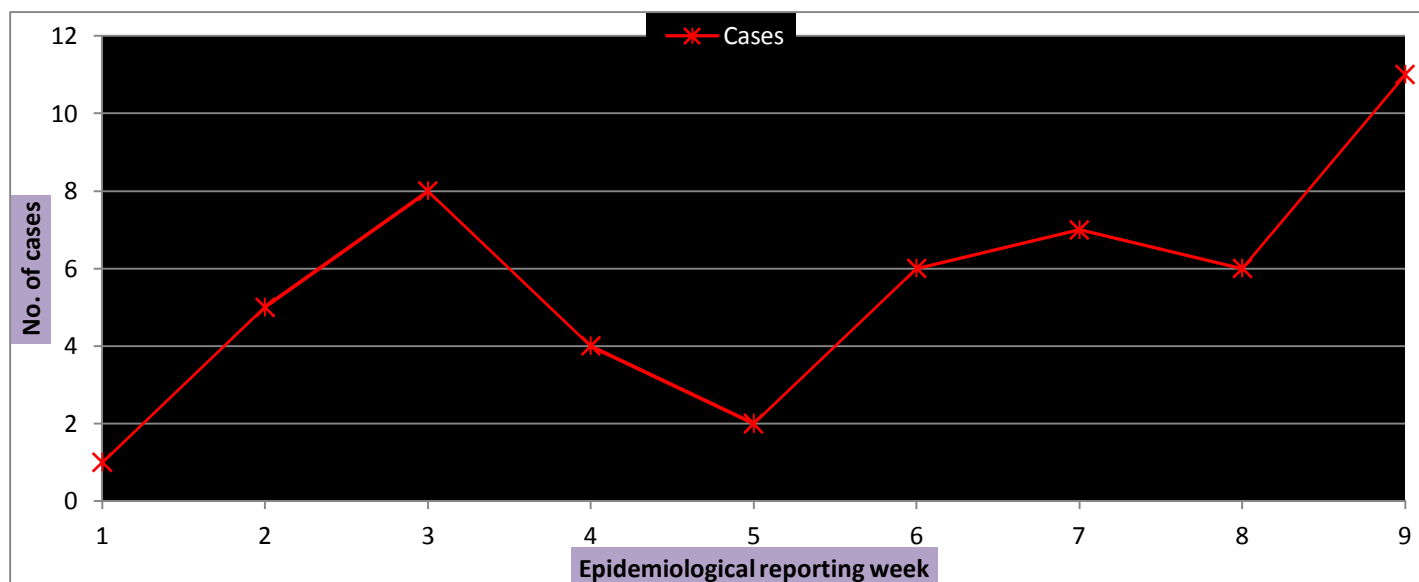
Fig 1: Summary of provincial average intra-district RR trends, week 1 to 9, 2011



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

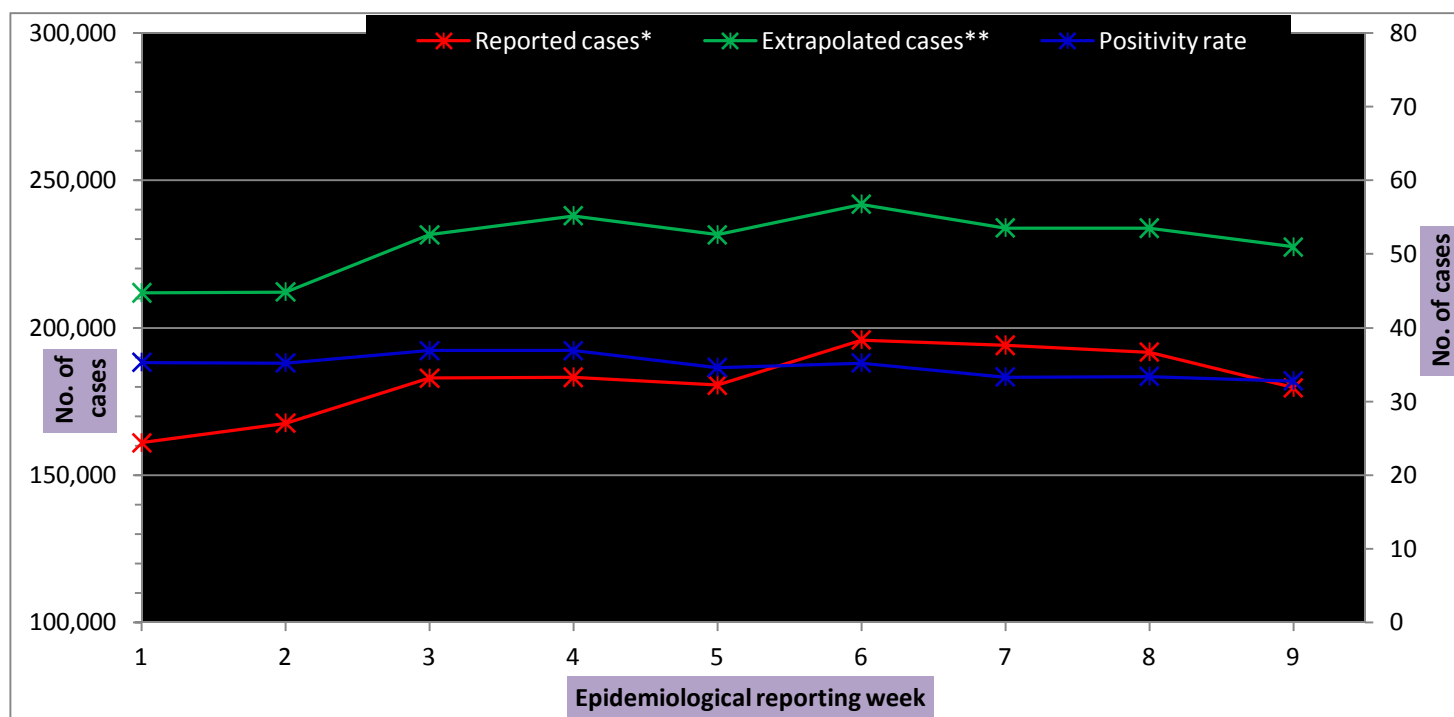
**Nyeri North, Kilifi, Kangundo, Kibwezi, Makueni and Tigania**

Fig. 2: Confirmed measles cases\*, week 1 to 9, 2011



\* The measles IgM positive cases were reported by the following districts: Nairobi North (12), Turkana North (8), Mandera West (6), Wajir East (5), Fafi (5), Nairobi East (4), Nairobi West (2), Wajir North (2), Lagdera (2), Garissa (2), Masinga (1) and Turkana South (1).

Fig. 3: Malaria cases and positivity rate, week 1 to 9, 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

## Highlights for the week

Nationally:	Disease specific reports
<ul style="list-style-type: none"> <li>The surveillance weighted aggregate score declined from 93% in week 8 to 91%</li> </ul>	<b>Cholera</b> <ul style="list-style-type: none"> <li>Zero cases were reported in the week</li> </ul>
<ul style="list-style-type: none"> <li>The number of districts that submitted reports on time also declined 147 (99%) to 143 (96%)</li> </ul>	<b>Measles</b> <ul style="list-style-type: none"> <li>Sixty one suspected cases (a rise from 35 in week 8) were reported from 16 districts</li> </ul>
<ul style="list-style-type: none"> <li>The intra-district average reporting rate declined 82% to 79%</li> </ul>	<ul style="list-style-type: none"> <li>The cases were reported from: Garissa (12), Mandera West (10), Tharaka (7), Wajir East (5), Mt. Elgon (5), Maara (4), Wajir North (4), Kajiado (3), Mombasa (2), Rarieda (2), Nakuru (2), Muranga North (1), Siaya (1), Narok North (1), Trans Nzoia East (1) and Emuhaya (1) districts</li> </ul>
<ul style="list-style-type: none"> <li>Best performing provinces in week 9 of 2011:</li> </ul>	<ul style="list-style-type: none"> <li>One death was reported from Garissa district (<b>district CFR=8%</b>)</li> </ul>
<ul style="list-style-type: none"> <li>While all districts in five provinces reported, only 86 % of districts in Eastern, 91% of districts in Central and 92% of districts in Coast reported during the week</li> <li>Intra-district facility reporting rate: 96% of the health facilities in Western province reported while only 56% of health facilities in North Eastern province reported</li> </ul>	<ul style="list-style-type: none"> <li>The laboratory surveillance system investigated 57 case specimen from 27 districts <ul style="list-style-type: none"> <li>Eleven (19%) specimen tested positive for measles IgM. The specimen were submitted from Fafi (3), Nairobi North (2), Turkana North (2), Lagdera (1), Nairobi East (1), Turkana South (1) and Wajir East (1) districts</li> <li>Twenty two (39%) specimen tested positive for rubella</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>Most improved provinces in week 9 of 2011:</li> </ul>	<b>Malaria</b> <ul style="list-style-type: none"> <li>Reported cases declined further from 191,702 in week 8 to 179,663</li> </ul>
<ul style="list-style-type: none"> <li>Intra-district facility RR: Only Nairobi (83% to 86%) and Rift Valley (81% to 84%) provinces improved while Central (76% to 65%), Coast (96% to 85%) and Eastern (74% to 66%) provinces declined in performance</li> </ul>	<ul style="list-style-type: none"> <li>Mortality marginally declined from 30 cases to 29 cases <ul style="list-style-type: none"> <li>The deaths were reported from: South Bungoma (10), Imenti North (6), East Bungoma (6), Kisumu West (2), Tana River (1), Kitui (1), Molo (1), Nandi East (1), and Narok North (1) districts</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>District reporting rate: Only Central (100% to 91%), Coast (100% to 92%) and Eastern (93% to 86%) provinces declined in performance as the rest maintained 100% reporting in week 9</li> </ul>	<ul style="list-style-type: none"> <li>Overall, 85,391 (48%) cases were laboratory tested, yielding a positivity rate of 33%</li> </ul>
<ul style="list-style-type: none"> <li>Forty one (28%) districts [up from forty (27%) districts in week 8] attained 100% intra-district reporting rate</li> </ul>	<b>Dysentery</b> <ul style="list-style-type: none"> <li>Reported cases rose from 1,298 in week 8 to 1,306 with no death</li> </ul>
	<b>Typhoid fever</b> <ul style="list-style-type: none"> <li>Reported cases declined from 6,200 in week 8 to 5,762 with no death</li> </ul>
	<b>AFP</b> <ul style="list-style-type: none"> <li>Two cases were reported in the week with no deaths</li> </ul>
	<ul style="list-style-type: none"> <li>The cases were reported from Ijara (1) and Kisumu East (1) districts</li> </ul>
	<b>Meningococcal Meningitis</b> <ul style="list-style-type: none"> <li>Three cases were reported with no death</li> </ul>
	<ul style="list-style-type: none"> <li>The case were reported from South Bungoma (2) and Igembe (1) districts</li> </ul>
	<b>NNT</b> <ul style="list-style-type: none"> <li>Zero cases were reported in the week</li> </ul>
	<b>Influenza (Walter Reed Influenza Surveillance)</b> <ul style="list-style-type: none"> <li>Sixty one specimen were processed by the national influenza center <ul style="list-style-type: none"> <li>Four (7%) tested positive for influenza A (H1N1) virus</li> <li>Eight (13%) tested positive for influenza B virus</li> <li>Three (5%) tested positive for influenza A (Not sub-typed)</li> <li>None tested positive for influenza A (H1), influenza A (H3) and influenza A (H5)</li> </ul> </li> </ul>

For comments please contact:

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### Summary of Weekly Integrated Disease Surveillance and Response Report for week 09

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Central																
	Gatundu	42	90	0(0)	0(0)	266(0)	271	4	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	DNR	0(0)
	Kiambu East	36	94	0(0)	0(0)	1528(0)	2219	359	0(0)	0(0)	161(0)	0(0)	DNR	0(0)	0(0)	0(0)
	Kiambu West	54	65	0(0)	0(0)	607(0)	745	73	0(0)	0(0)	107(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga	89	56	0(0)	0(0)	1321(0)	1502	31	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Muranga North	49	80	0(0)	0(0)	796(0)	0	0	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Muranga South	40	55	0(0)	0(0)	683(0)	373	8	0(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	90	0(0)	0(0)	964(0)	1778	112	0(0)	0(0)	98(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	29	90	0(0)	0(0)	126(0)	293	8	0(0)	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	0	0(0)	0(0)	10(0)	250	10	0(0)	DNR	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri South	52	63	0(0)	0(0)	408(0)	161	2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Thika	100	82	0(0)	0(0)	1399(0)	950	39	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Coast																
	Kaloleni	17	94	0(0)	35(0)	854(0)	397	101	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	39	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kilindini	40	100	0(0)	18(0)	1567(0)	2192	752	0(0)	0(0)	33(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kinango	21	100	0(0)	30(0)	1931(0)	476	90	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwale	21	95	0(0)	10(0)	1169(0)	557	85	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	33	97	0(0)	0(0)	533(0)	201	12	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Malindi	47	85	0(0)	110(0)	1276(0)	1329	73	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mombasa	30	100	0(0)	7(0)	1554(0)	3401	798	2(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	86	0(0)	8(0)	505(0)	390	78	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	46	100	0(0)	0(0)	524(0)	1516	255	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	16	94	0(0)	3(0)	565(0)	164	31	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana River	21	86	0(0)	2(0)	547(1)	145	46	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	13	100	0(0)	12(0)	344(0)	581	93	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Eastern																
	Chalbi	11	64	0(0)	0(0)	72(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu	77	22	0(0)	0(0)	1400(0)	1073	257	0(0)	0(0)	21(0)	0(0)	0(0)	DNR	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 Eastern																
	Fafi	11	73	0(0)	0(0)	106(0)	66	5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	33	36	0(0)	11(0)	501(0)	830	150	12(1)	0(0)	53(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	10	50	0(0)	8(0)	305(0)	110	17	0(0)	0(0)	3(0)	0(0)	1(0)	0(0)	0(0)	0(0)
	Lagdera	13	77	0(0)	0(0)	184(0)	53	4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	9	78	0(0)	0(0)	137(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	38	0(0)	0(0)	67(0)	53	17	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	75	0(0)	4(0)	165(0)	70	30	10(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	13	54	0(0)	0(0)	199(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	18	72	0(0)	0(0)	487(0)	184	106	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	8	38	0(0)	0(0)	77(0)	0	0	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	15	53	0(0)	0(0)	144(0)	25	3	0(0)	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nyanza																
	Bondo	26	100	0(0)	75(0)	2243(0)	807	282	0(0)	0(0)	80(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	89	0(0)	2(0)	1050(0)	236	28	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	35	100	0(0)	0(0)	2668(0)	865	311	0(0)	0(0)	51(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	42	93	0(0)	0(0)	2192(0)	1663	518	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	34	79	0(0)	6(0)	1720(0)	528	52	0(0)	0(0)	48(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	100	0(0)	43(0)	808(0)	501	95	0(0)	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	96	0(0)	6(0)	4036(0)	1239	579	0(0)	0(0)	24(0)	0(0)	1(0)	0(0)	0(0)	0(0)
	Kisumu West	22	95	0(0)	17(0)	2434(2)	855	442	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	13	69	0(0)	0(0)	337(0)	98	79	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	96	0(0)	1(0)	1062(0)	159	74	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	17	94	0(0)	0(0)	273(0)	229	16	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	97	0(0)	1(0)	1606(0)	491	29	0(0)	0(0)	123(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	52	94	0(0)	27(0)	1839(0)	717	309	0(0)	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	48	98	0(0)	0(0)	1263(0)	713	43	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	47	30	0(0)	39(0)	1634(0)	453	175	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo	56	66	0(0)	0(0)	2214(0)	794	244	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarienda	22	82	0(0)	11(0)	1065(0)	237	78	2(0)	0(0)	40(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	40	90	0(0)	5(0)	2874(0)	835	318	0(0)	0(0)	87(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Siaya	72	92	0(0)	99(0)	6948(0)	1593	705	1(0)	0(0)	204(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	89	0(0)	0(0)	1410(0)	369	28	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	42	95	0(0)	52(0)	2049(0)	334	101	0(0)	0(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Rift Valley																
	Baringo	50	90	0(0)	0(0)	956(0)	238	57	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	37	68	0(0)	0(0)	613(0)	69	0	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	42	100	0(0)	4(0)	1830(0)	746	44	0(0)	0(0)	146(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bureti	32	100	0(0)	0(0)	1238(0)	164	87	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	12	75	0(0)	0(0)	348(0)	0	0	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	36	100	0(0)	0(0)	1549(0)	1105	260	0(0)	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	73	0(0)	4(0)	2838(0)	1191	485	0(0)	0(0)	65(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	63	75	0(0)	37(0)	2419(0)	754	132	3(0)	0(0)	146(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	45	82	0(0)	0(0)	1050(0)	243	72	0(0)	0(0)	37(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	53	0(0)	0(0)	857(0)	202	21	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	38	55	0(0)	0(0)	607(0)	38	11	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Koibatek	34	91	0(0)	0(0)	790(0)	377	83	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	17	88	0(0)	0(0)	1050(0)	192	95	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	86	0(0)	0(0)	368(0)	35	0	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	100	0(0)	0(0)	81(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia West	26	96	0(0)	0(0)	779(0)	0	0	0(0)	0(0)	101(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitoktok	23	74	0(0)	0(0)	577(0)	0	0	0(0)	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	48	94	0(0)	33(0)	1095(0)	209	133	0(0)	0(0)	64(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	91	0(0)	2(0)	486(1)	0	0	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	83	0(0)	6(0)	1375(0)	416	175	0(0)	0(0)	96(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru	45	98	0(0)	0(0)	443(0)	911	42	2(0)	0(0)	94(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	34	85	0(0)	0(0)	828(0)	293	147	0(0)	0(0)	48(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	26	100	0(0)	0(0)	1071(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi East	32	84	0(0)	30(0)	804(1)	344	63	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	24	75	0(0)	0(0)	676(0)	241	92	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	18	83	0(0)	0(0)	989(0)	76	19	0(0)	0(0)	18(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	32	100	0(0)	0(0)	886(1)	531	113	1(0)	0(0)	135(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	87	0(0)	8(0)	827(0)	239	61	0(0)	0(0)	79(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Pokot	12	83	0(0)	0(0)	530(0)	303	53	0(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	20	85	0(0)	0(0)	826(0)	268	80	0(0)	0(0)	61(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	22	32	0(0)	2(0)	272(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	13	69	0(0)	1(0)	225(0)	0	0	0(0)	0(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	9	44	0(0)	22(0)	140(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	30	100	0(0)	0(0)	1417(0)	245	26	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	100	0(0)	3(0)	239(0)	120	22	0(0)	0(0)	33(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	22	95	0(0)	0(0)	1161(0)	790	332	1(0)	0(0)	145(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	24	100	0(0)	12(0)	1496(0)	485	107	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Transmara	48	67	0(0)	0(0)	1078(0)	127	11	0(0)	0(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	40	75	0(0)	18(0)	1890(0)	551	356	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	73	0(0)	6(0)	580(0)	988	46	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	19	68	0(0)	6(0)	577(0)	117	58	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	100	0(0)	0(0)	1663(0)	957	255	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	92	0(0)	5(0)	1587(0)	506	179	0(0)	0(0)	94(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bunyala	7	100	0(0)	0(0)	255(0)	113	40	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	31	100	0(0)	35(0)	4410(0)	0	0	0(0)	0(0)	156(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	18	100	0(0)	12(0)	2932(0)	894	460	0(0)	0(0)	74(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Bungoma	13	100	0(0)	0(0)	1441(6)	1041	532	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	22	45	0(0)	1(0)	766(0)	269	140	1(0)	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	100	0(0)	1(0)	778(0)	389	227	0(0)	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central (Lurambi)	28	100	0(0)	2(0)	3851(0)	2102	861	0(0)	0(0)	195(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East (Shinyalu)	14	100	0(0)	0(0)	1219(0)	829	195	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North (Malava)	19	100	0(0)	0(0)	1342(0)	780	493	0(0)	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South (Ikolomani)	11	100	0(0)	0(0)	1080(0)	63	37	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	96	0(0)	0(0)	2881(0)	703	64	0(0)	0(0)	61(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	100	0(0)	26(0)	1149(0)	1084	805	5(0)	0(0)	60(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
	Mumias	26	100	0(0)	1(0)	2631(0)	1229	669	0(0)	0(0)	111(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	20	100	0(0)	16(0)	1705(0)	938	582	0(0)	0(0)	94(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	10	100	0(0)	1(0)	1345(0)	145	86	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	22	100	0(0)	55(0)	4891(10)	1503	883	0(0)	2(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	100	0(0)	14(0)	2636(0)	544	207	0(0)	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	20	100	0(0)	0(0)	2331(0)	1960	749	0(0)	0(0)	100(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	100	0(0)	65(0)	1805(0)	0	0	0(0)	0(0)	46(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 09 summary	0 (0)	1,306 (0)	179,663 (29)	85,391	28,019	61 (1)	3 (0)	5,762 (0)	0 (0)	2 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1 (0)	10,807 (0)	1,636,599 (238)	723,976	251,817	269 (1)	15 (0)	50,618 (3)	2 (0)	6 (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

**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