



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

**WEEKLY EPIDEMIOLOGICAL BULLETIN**

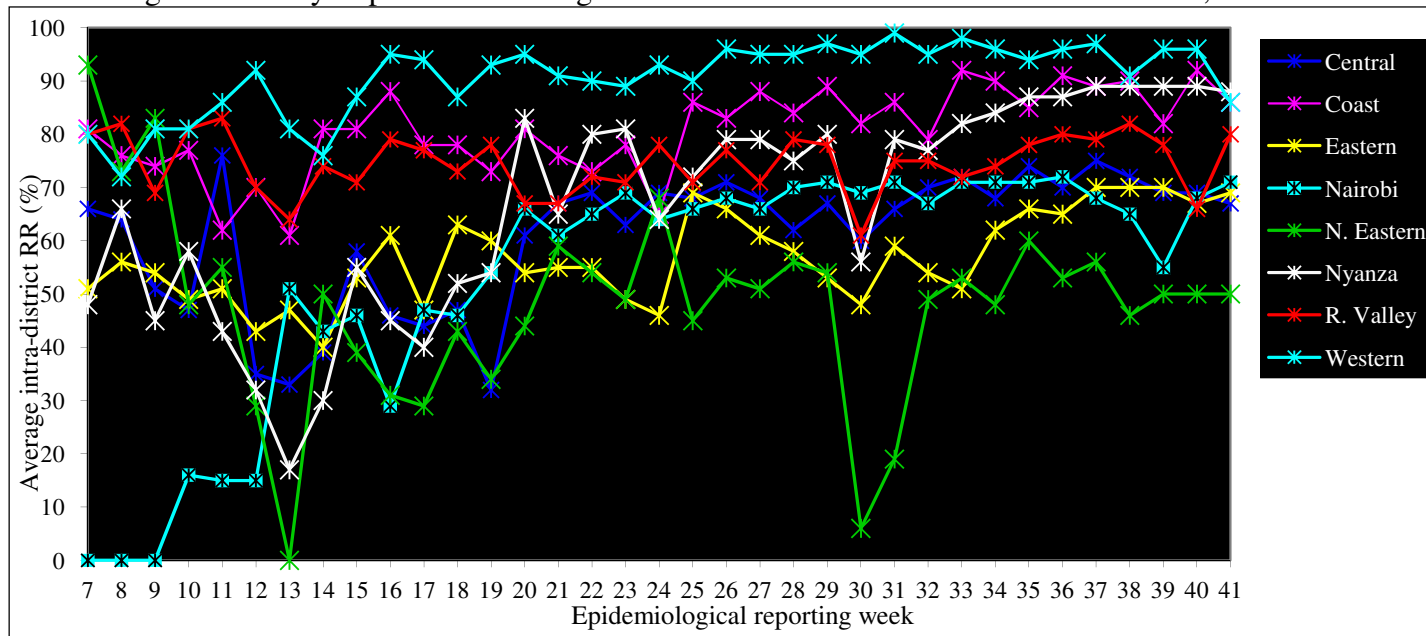
**Week 41**

**Week ending 17<sup>th</sup> October 2010**

Provincial & national surveillance indicators for week 41

Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)	
Central	11	10	10	67	91	100	85	<ul style="list-style-type: none"> <li>✦ The national average district reporting rate declined to 95%</li> <li>✦ The national weighted aggregate score remained at 90%</li> <li>✦ All districts in Nairobi, Nyanza and Rift Valley provinces reported in the week</li> <li>✦ Western province posted the biggest Weighted Aggregate Score decline</li> </ul>
Coast	13	12	12	86	92	100	91	
Eastern	28	26	26	69	93	100	86	
Nairobi	3	3	3	71	100	100	90	
N. Eastern	11	10	10	50	91	100	79	
Nyanza	21	21	21	88	100	100	96	
R. Valley	43	43	43	80	100	100	93	
Western	19	17	17	86	89	100	90	
<b>National</b>	<b>149</b>	<b>142</b>	<b>142</b>	<b>77</b>	<b>95</b>	<b>100</b>	<b>90</b>	

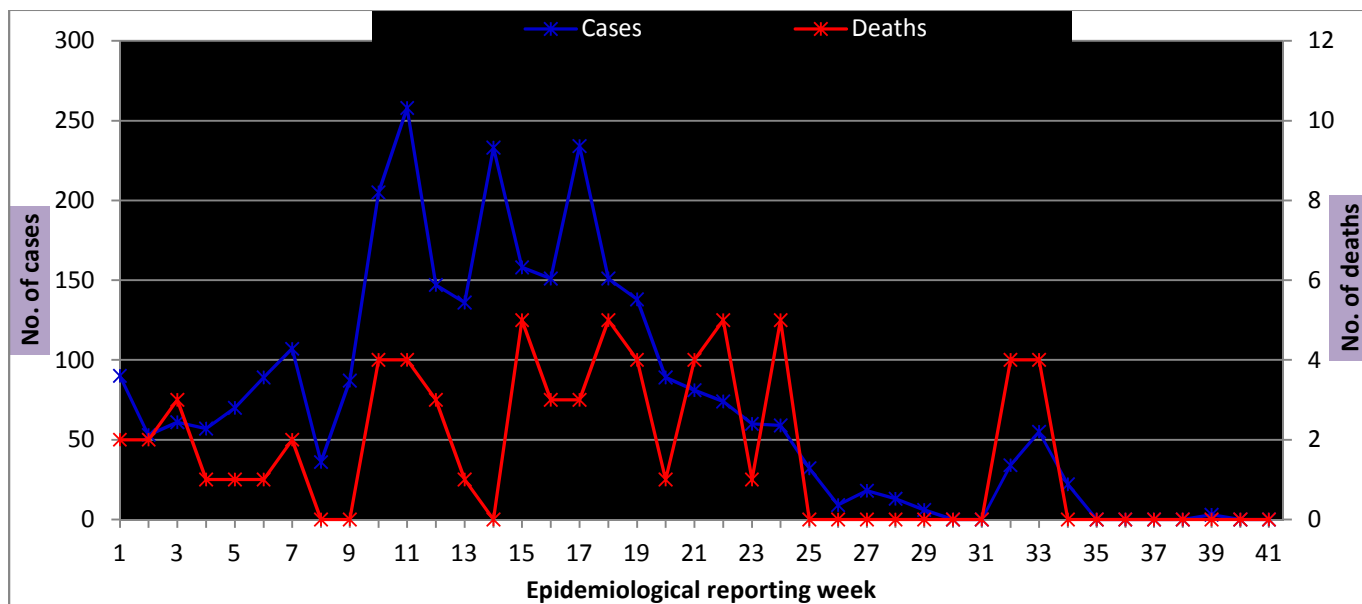
Fig 1: Summary of provincial average intra-district RR trends for week 7 to week 41, 2010



**Reports not received from the following 7 Districts**

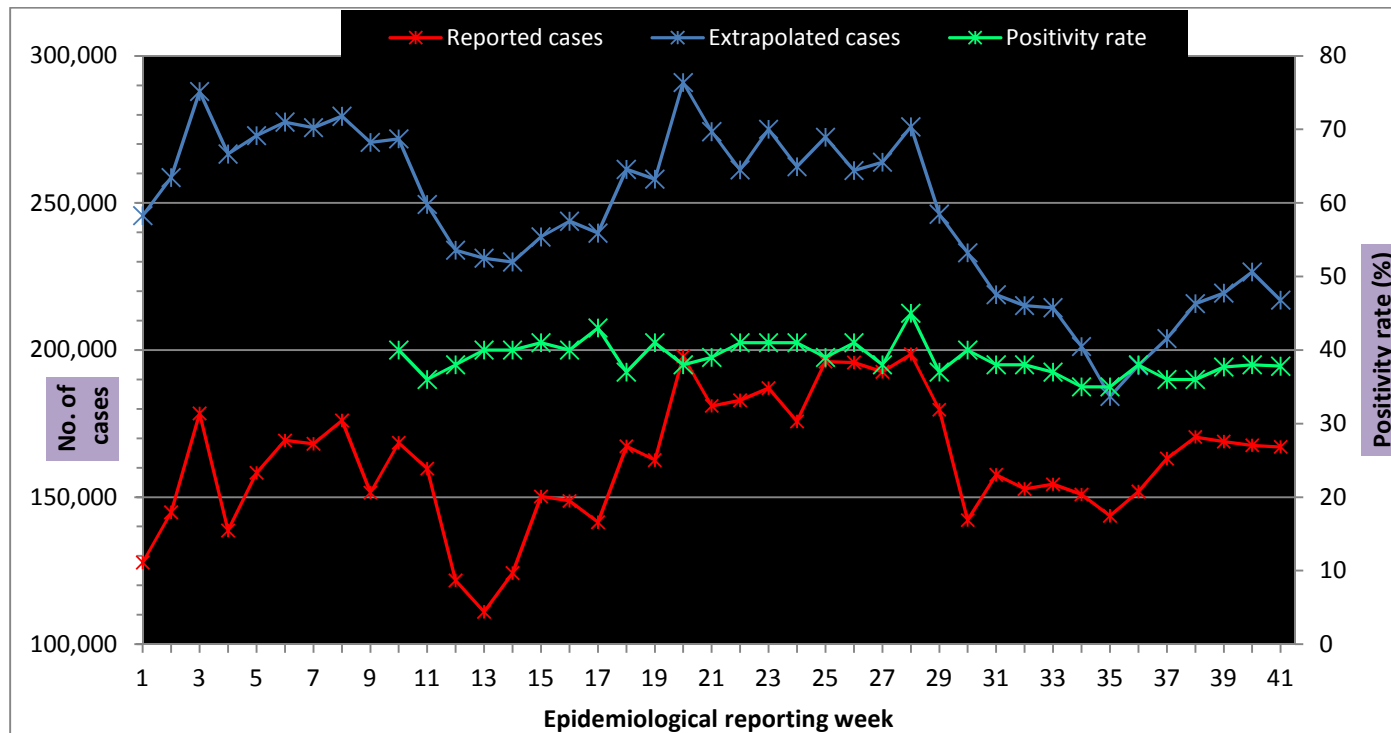
**Murang'a North, Lamu, Marsabit, Moyale, Garissa, Emuhaya, Mt Elgon**

Fig. 2: Cholera\*\* cases and deaths from week 1 to week 41



\*\* 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 41



\* 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 remained at 90% in week 41</li> <li>The number of districts that submitted reports on time declined to 142 (95%)</li> <li>The intra-district average reporting rate improved from 74% in week 40 to 77%</li> </ul>	<p><b>Cholera</b></p> <p>⊕ Zero cholera cases were reported</p>
<p>⊕ Best performing provinces in week 41:</p> <ul style="list-style-type: none"> <li>All districts in Nairobi, Nyanza and Rift Valley provinces reported during the week</li> </ul>	<p><b>Measles</b></p> <p>⊕ 21 suspected cases (a rise from 18 cases in week 40) were reported with no death</p>
<ul style="list-style-type: none"> <li>Intra-district facility reporting rate: Nyanza (88%), Coast (86%) and Western (86%) provinces had the highest rates while North Eastern (50%) had the lowest rates</li> </ul>	<p>⊕ The cases were reported from Laikipia East (5), Kajiado (4), Transmara (3), Imenti North (2), Nyandarua North (1), Kilindini (1), Taita (1), Meru South (1), Rongo (1), Loitokitok (1) and Naivasha (1) districts</p>
<ul style="list-style-type: none"> <li>Weighted Aggregate Score: Nyanza (96%), Rift Valley (93%) and Coast (91%) provinces had the highest score while North Eastern (79%) province had the lowest score</li> </ul>	<p>⊕ The lab surveillance system investigated 37 case specimen from 17 districts</p>
<p>⊕ Most improved provinces in week 41:</p> <ul style="list-style-type: none"> <li>Intra-district facility RR: Rift Valley (66% to 80%) province improved the most while Western (96% to 86%) province declined the most</li> </ul>	<ul style="list-style-type: none"> <li>One specimen from Lagdera district tested positive for measles IgM and was classified positive for measles</li> <li>Twenty four (65%) specimen tested positive for rubella</li> </ul>
<ul style="list-style-type: none"> <li>District reporting rate: Eastern (89% to 93%) is the only province that improved while Western (100% to 89%) and Coast (100% to 92%) provinces declined</li> </ul>	<p><b>Malaria</b></p> <p>⊕ Reported cases declined marginally from 167,621 in week 40 to 167,086 cases in week 41</p>
<p>⊕ Stability: All provinces, except Nyanza have demonstrated fluctuations though North Eastern remains the most unstable province</p>	<p>⊕ Mortality also declined from 26 cases to 22 cases</p> <p>⊕ Overall, 66,101 (40%) cases were laboratory tested, yielding a positivity rate of 37.8%</p>
<p>⊕ The following 32 (21%) districts [up from 28 (19%) districts in week 40] attained 100% intra-district reporting rate: Kiambu East, Kaloleni, Kilifi, Kilindini, Taita, Tana Delta, Taveta, Machakos, Mbeere, Meru South, Mwala, Bondo, Gucha, Kisii South, Kisumu West, Manga, Masaba, Bomet, Trans Nzoia East, Trans Nzoia West, Turkana North, Wareng, Bunyala, Busia, Butere, Kakamega Central, Kakamega East, Kakamega North, Kakamega South, Lugari, Samia, South Bungoma</p>	<p><b>Dysentery</b></p> <p>⊕ Reported cases rose marginally from 1,219 in week 40 to 1,225 in week 41 with no death</p>
	<p><b>Typhoid fever</b></p> <p>⊕ Reported cases declined from 4,949 in week 40 to 4,489 cases in week 41 with no death</p>
	<p><b>AFP</b></p> <p>⊕ Zero cases were reported in the week</p>
	<p><b>Meningococcal Meningitis</b></p> <p>⊕ Six cases were reported from Siaya (4), Imenti North (1), and South Gucha (1) districts</p>
	<p>⊕ There was no reported death</p>
	<p><b>NNT</b></p> <p>⊕ Two cases were reported from Tinderet (1) and Teso (1) districts with no death</p>
	<p><b>Influenza (Walter Reed Influenza Surveillance)</b></p> <p>⊕ 61 specimen were processed by the National Influenza Centre</p>
	<p>⊕ Nine (15%) tested positive for influenza A (H3)</p>
	<p>⊕ None tested positive for Influenza A (H1), A (H5), B and Pandemic A (H1N1)</p>

For comments please contact:

Head, Division of Disease Surveillance and Response  
 Ministry of Public Health and Sanitation  
 P.O. Box 20781 - 00202  
 Tel. 2718292  
 Fax: 0202720533  
 Web site: <http://www.health.go.ke>

## Summary of Weekly Integrated Disease Surveillance and Response Report for week 41

[illegible]

[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)	86(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	18	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Ijara	9	44	0(0)	0(0)	217(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	13	69	0(0)	4(0)	263(0)	63	21	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	8	75	0(0)	0(0)	352(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	50	0(0)	0(0)	296(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	75	0(0)	0(0)	456(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	8	50	0(0)	0(0)	112(0)	0	0	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	9	67	0(0)	2(0)	298(0)	0	0	0(0)	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	10	60	0(0)	0(0)	95(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	9	56	0(0)	0(0)	211(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nyanza																
	Bondo	26	100	0(0)	0(0)	1912(0)	822	452	0(0)	0(0)	92(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	93	0(0)	3(0)	1253(0)	354	29	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	35	100	0(0)	0(0)	1849(0)	748	209	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	42	90	0(0)	1(0)	1254(0)	791	289	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	44	89	0(0)	11(0)	2117(0)	997	98	0(0)	0(0)	45(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	100	0(0)	31(0)	529(0)	333	57	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	89	0(0)	2(0)	4583(0)	1554	767	0(0)	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	22	100	0(0)	23(0)	1810(0)	831	430	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	13	77	0(0)	0(0)	262(0)	32	19	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	96	0(0)	2(0)	1188(0)	98	18	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	16	100	0(0)	0(0)	269(0)	225	36	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	100	0(0)	0(0)	1222(0)	485	46	0(0)	0(0)	136(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	52	94	0(0)	51(0)	2140(0)	683	332	0(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	48	98	0(0)	0(0)	1147(0)	489	27	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	42	86	0(0)	0(0)	2531(0)	985	668	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo	56	54	0(0)	0(0)	2080(0)	557	324	0(0)	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarienda	22	95	0(0)	8(0)	1896(0)	564	255	0(0)	0(0)	56(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	32	97	0(0)	9(0)	1616(0)	936	265	1(0)	0(0)	76(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
	Siaya	72	74	0(0)	90(0)	3778(0)	342	239	0(0)	4(0)	138(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	84	0(0)	0(0)	1496(0)	482	52	0(0)	1(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	41	88	0(0)	52(0)	1522(0)	190	65	0(0)	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Rift Valley																
	Baringo	50	72	0(0)	0(0)	553(0)	299	76	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	36	67	0(0)	0(0)	781(0)	0	0	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	38	100	0(0)	3(0)	1928(0)	484	52	0(0)	0(0)	67(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bureti	32	78	0(0)	0(0)	1467(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	9	56	0(0)	0(0)	563(0)	0	0	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	36	97	0(0)	0(0)	1330(0)	759	156	0(0)	0(0)	72(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	75	0(0)	0(0)	842(0)	199	45	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	35	74	0(0)	27(0)	1141(0)	189	80	4(0)	0(0)	65(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	45	82	0(0)	0(0)	878(0)	246	50	0(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	93	0(0)	0(0)	985(0)	198	23	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	38	79	0(0)	0(0)	486(0)	0	0	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Koibatek	32	94	0(0)	5(0)	1140(0)	522	94	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	17	65	0(0)	0(0)	692(0)	198	89	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	86	0(0)	1(0)	249(0)	0	0	5(0)	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	89	0(0)	1(0)	105(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)	845(0)	0	0	0(0)	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitoktok	23	61	0(0)	95(0)	655(0)	0	0	1(0)	0(0)	138(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	58	78	0(0)	17(0)	849(0)	155	104	0(0)	0(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	91	0(0)	0(0)	487(1)	0	0	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	77	0(0)	13(0)	1247(0)	418	182	1(0)	0(0)	127(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru	45	84	0(0)	0(0)	462(0)	568	67	0(0)	0(0)	101(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	33	94	0(0)	0(0)	948(0)	262	177	0(0)	0(0)	71(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	22	36	0(0)	0(0)	321(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)	13(0)	975(1)	329	45	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	20	75	0(0)	0(0)	864(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	18	78	0(0)	0(0)	1010(0)	60	25	0(0)	0(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	29	79	0(0)	2(0)	533(0)	249	60	0(0)	0(0)	42(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 South	30	63	0(0)	10(0)	327(0)	130	23	0(0)	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Pokot	12	75	0(0)	3(0)	962(0)	657	220	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	18	94	0(0)	0(0)	1008(2)	210	66	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	18	56	0(0)	0(0)	844(0)	0	0	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	15	47	0(0)	1(0)	222(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	9	33	0(0)	11(0)	85(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	29	97	0(0)	2(0)	1390(0)	278	35	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	90	0(0)	0(0)	347(0)	164	10	0(0)	0(0)	15(0)	1(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	20	100	0(0)	0(0)	909(0)	791	274	0(0)	0(0)	151(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	22	100	0(0)	14(0)	1643(1)	724	241	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Transmara	48	83	0(0)	0(0)	1650(0)	198	6	3(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	33	73	0(0)	6(0)	2318(2)	754	405	0(0)	0(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	21	100	0(0)	13(0)	654(0)	1010	154	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	20	50	0(0)	1(0)	423(0)	85	72	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	100	0(0)	0(0)	1169(0)	803	279	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	96	0(0)	1(0)	1213(0)	295	103	0(0)	0(0)	43(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bunyala	7	100	0(0)	0(0)	1096(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	28	100	0(0)	51(0)	4296(0)	1610	1004	0(0)	0(0)	111(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	18	100	0(0)	14(0)	2360(0)	528	277	0(0)	0(0)	57(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Bungoma	13	77	0(0)	0(0)	1241(3)	1204	648	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	21	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Hamisi	13	77	0(0)	0(0)	713(0)	362	167	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central (Lurambi)	29	100	0(0)	2(0)	3665(3)	1489	624	0(0)	0(0)	121(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East (Shinyalu)	14	100	0(0)	0(0)	856(0)	384	76	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)	1095(0)	502	348	0(0)	0(0)	33(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South (Ikolomani)	11	100	0(0)	0(0)	1102(0)	319	130	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	0(0)	8(0)	2321(0)	211	23	0(0)	0(0)	95(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mumias	26	96	0(0)	5(0)	2091(0)	932	473	0(0)	0(0)	49(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	18	94	0(0)	13(0)	1433(0)	1002	675	0(0)	0(0)	163(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
	Samia	9	100	0(0)	33(0)	880(0)	120	55	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	22	100	0(0)	44(0)	3365(2)	1029	280	0(0)	0(0)	150(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	21	95	0(0)	9(0)	2370(1)	746	397	0(0)	0(0)	81(0)	1(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	21	95	0(0)	0(0)	2277(0)	863	236	0(0)	0(0)	94(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	85	0(0)	47(0)	1715(0)	1074	769	0(0)	0(0)	34(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 41 summary	0 (0)	1,225 (0)	167,086 (22)	66,101	25,008	21 (0)	6 (0)	4,489 (0)	2 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1,786 (27)	49,479 (25)	6,646,112 (1,428)	1,777,951	688,745	781 (0)	105 (17)	157,452 (15)	7 (2)	36 (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

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