



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

**WEEKLY EPIDEMIOLOGICAL BULLETIN**

**Week 47**

**Week Ending 27<sup>th</sup> November 2011**

Provincial & national surveillance indicators for week 47

Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	17	10	10	85	59	100	75
Coast	13	13	13	93	100	100	98
Eastern	35	31	31	84	89	100	89
Nairobi	9	6	6	78	67	100	76
N. Eastern	12	11	11	77	92	100	88
Nyanza	33	30	30	87	91	100	91
R. Valley	53	51	51	80	96	100	91
Western	28	26	26	99	93	100	96
National	200	178	178	85	89	100	90

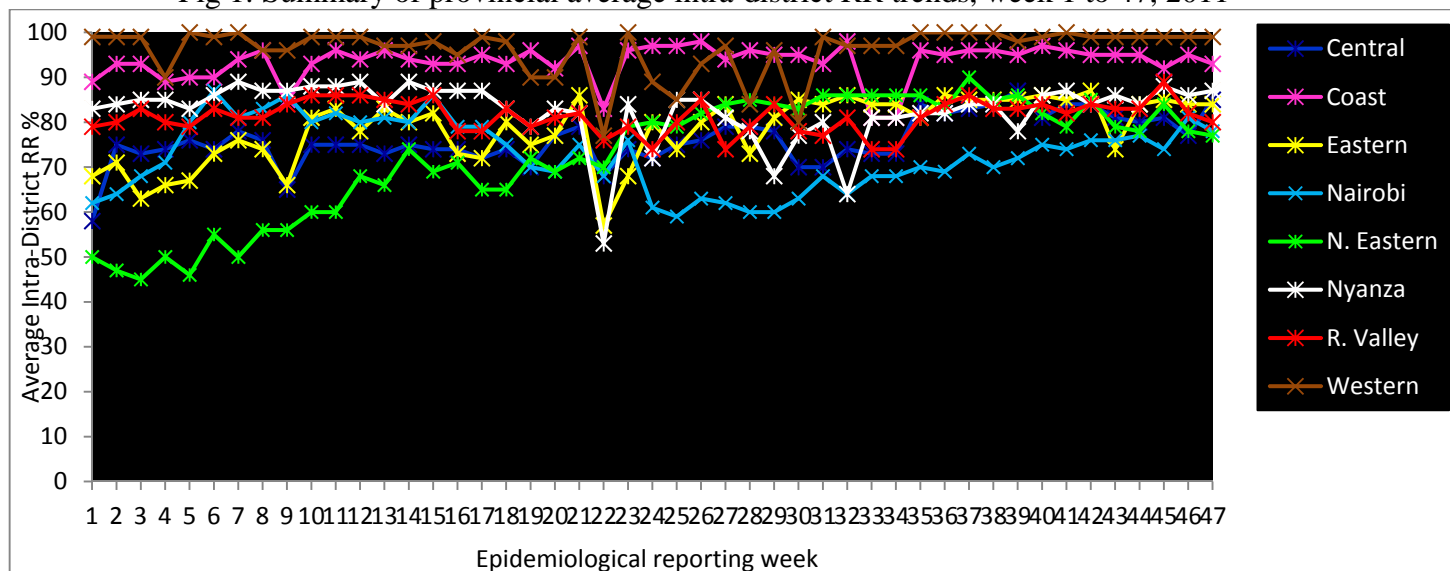
✚ Overall IDSR reporting performance declined in week 47 as compared to week 46

✚ 3 new measles cases confirmed in week 47 in 3 districts

✚ Total confirmed measles cases in the country now 484 by week 47

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Fig 1: Summary of provincial average intra-district RR trends, week 1 to 47, 2011



**Reports not received from the following 22 districts**

Kirinyaga Central, Kirinyaga West, Kirinyaga East, Ruiru, Muranga North, Mwea East, Mwea West, Laisamis, Meru South, Mwingi, Tharaka, Embakasi, Westlands, Langata, Mandera West, Gucha, South Gucha, Rachuonyo North, East Pokot, Nandi Central, Kimilili Bungoma and Vihiga

Fig. 2: Confirmed measles cases (n=484), week 1 to 47, 2011

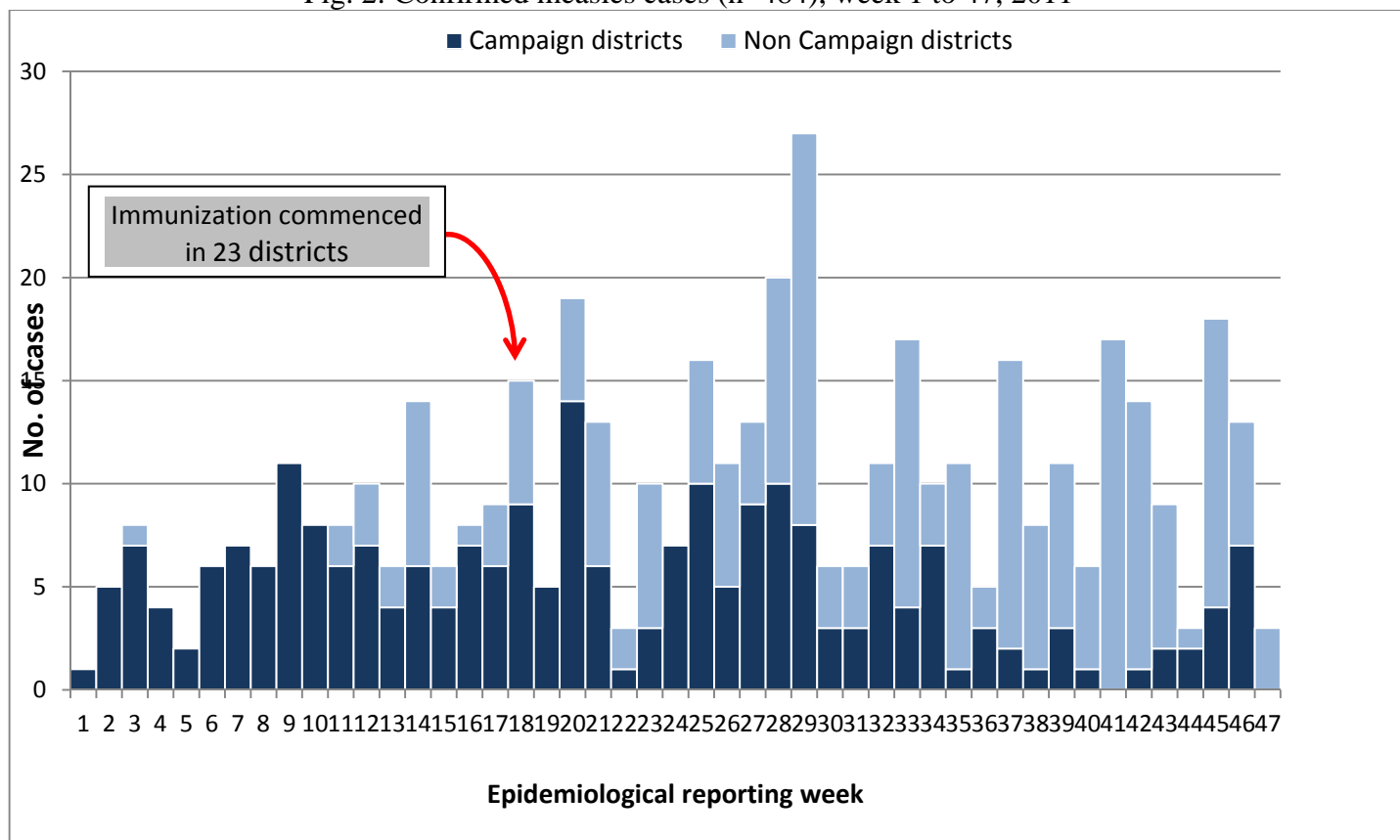
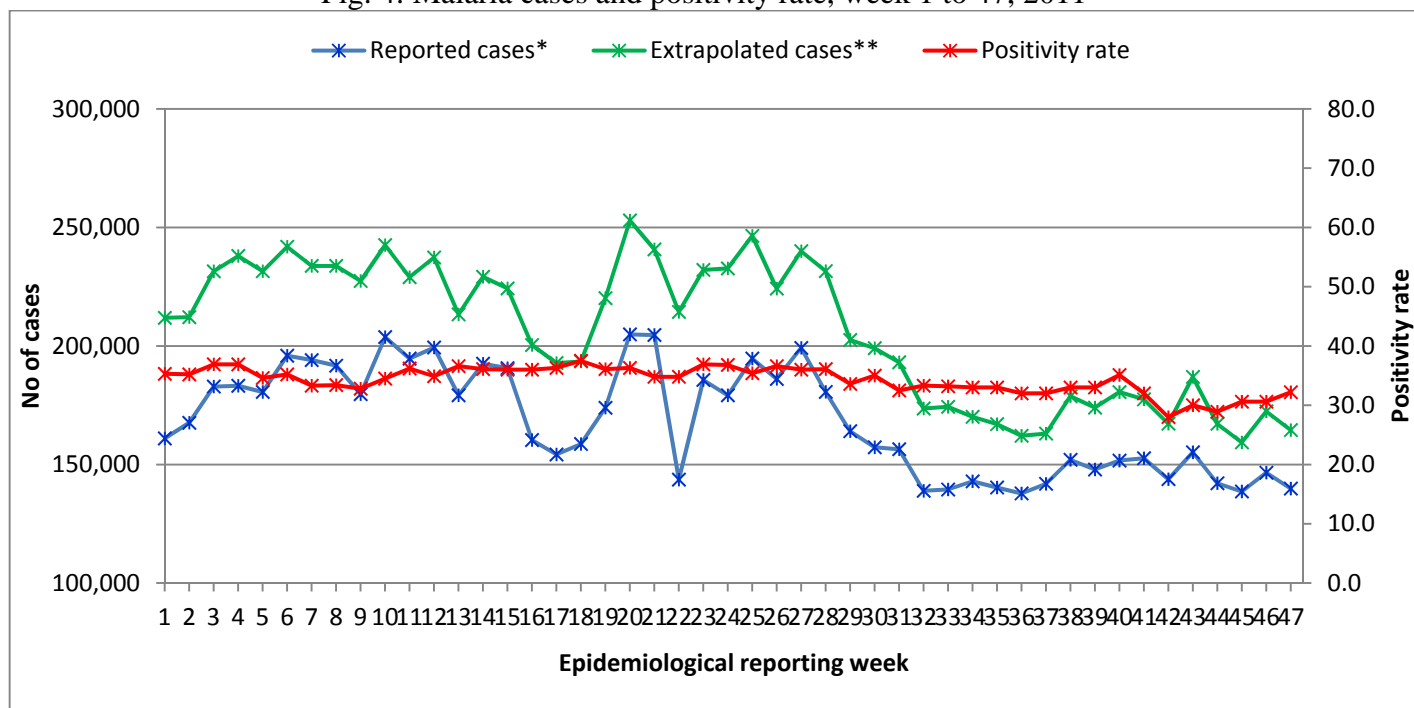


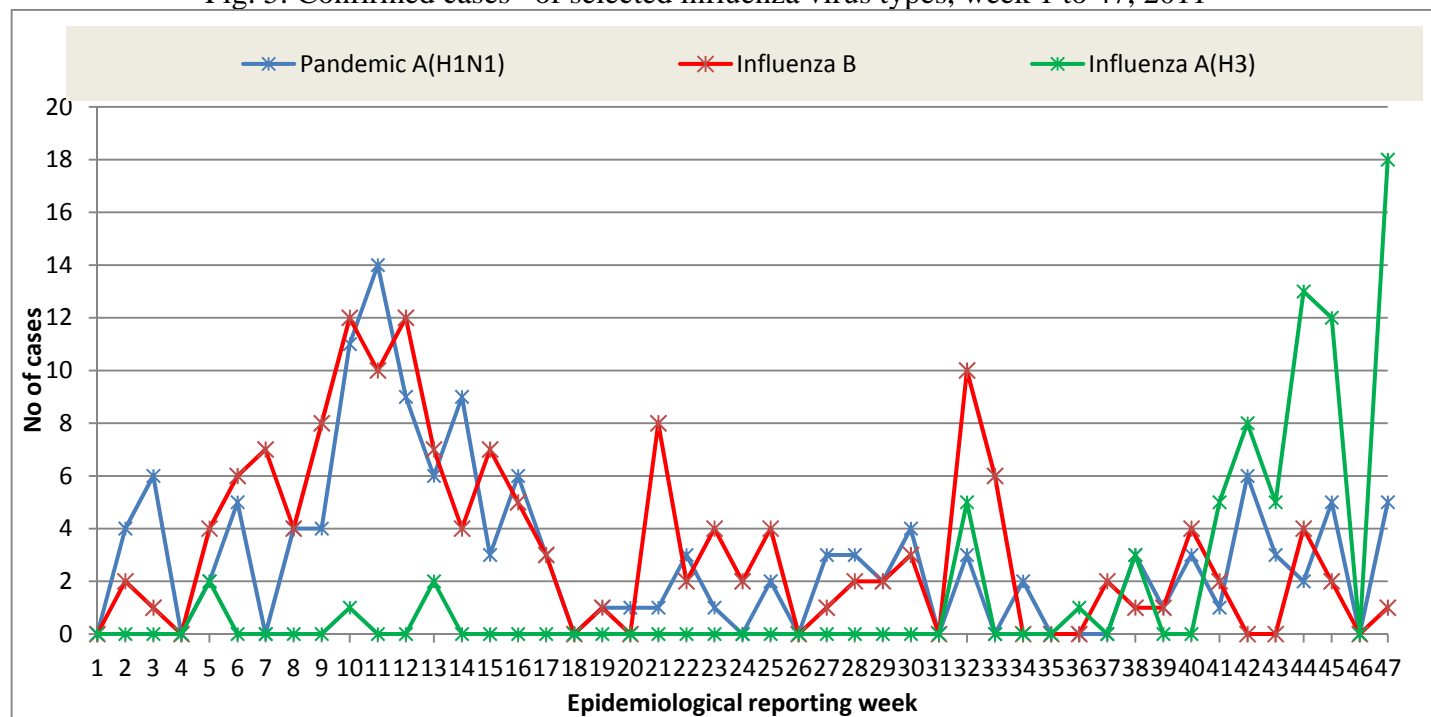
Fig. 4: Malaria cases and positivity rate, week 1 to 47, 2011



\* 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 47, 2011



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

### Highlights for the week

<p>✦ Nationally:</p> <ul style="list-style-type: none"> <li>□ The surveillance weighted aggregate score decreased from 91% in week 46 to 90% in week 47</li> <li>□ The proportion of districts that reported also decreased from 93% in week 46 to 89% in week 47</li> <li>□ The intra-district average reporting rate stabilized at 85% in week 47</li> </ul> <p>✦ Best performing provinces in week 47 of 2011:</p> <ul style="list-style-type: none"> <li>□ District reporting rate: Coast Province had 100% district reporting while only 59% of districts in Central Province reported</li> <li>□ Intra-district facility reporting rate: 99% of health facilities in Western province reported while only 77% of facilities reported in North Eastern Province</li> </ul> <p>✦ Most improved provinces in week 47 of 2011:</p> <ul style="list-style-type: none"> <li>□ Intra-district facility RR: Central (77% to 85%) Provinces improved the most. Performance in Nairobi (81% to 78%) Province declined the most</li> <li>□ District reporting rate: Performance in Coast (85% to 100%) Province improved</li> </ul> <p>✦ Sixty three (32%) districts [an increase from fifty seven (29%) districts in week 46] attained 100% intra-district reporting rate</p>	<p><b>Measles</b></p> <p>✦ 37 suspected cases (an decrease from 110 in week 46) were reported from 21 districts, with one death reported by Trans Mara District.</p> <ul style="list-style-type: none"> <li>□ The cases were reported from: Trans Mara (15), Suba (9), Taveta (3), Nyandarua North (3), Kilifi (1), Kilindini (1), Malindi (1), Taita (1), Siaya (1), Ndhiwa (1) and Naivasha (1) Districts</li> </ul> <p>✦ The laboratory surveillance system received 20 case specimen from 14 districts.</p> <ul style="list-style-type: none"> <li>□ Three (15%) specimen tested positive for measles IgM.</li> <li>□ The specimen were submitted from: Rachuonyo North (1), Tharaka (1) and Lari (1) Districts</li> </ul> <p>✦ Seven (35%) specimen tested positive for rubella</p> <p><b>Dysentery</b></p> <p>✦ Reported cases decreased from 1,442 in week 46 to 1,098 in week 47 with no death reported</p> <p><b>Typhoid fever</b></p> <p>✦ Reported cases increased from 5,014 in week 46 to 4,753 in week 47 with no death reported</p> <p><b>AFP</b></p> <p>✦ Eleven cases were reported in the week by Kisii Central (3), Nakuru Central (2), Malindi (2), Siaya (2), Nyandarua South (1) and Marani (1) Districts with no reported death</p> <p>✦ All investigated cases tested negative for polio virus</p> <p><b>Meningococcal Meningitis</b></p> <p>✦ Five cases were reported in the week by Maara (3), Mbita (1) and Embu West (1) Districts with no death reported</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>✦ Thirty specimen were submitted to the national influenza center by the Walter Reed Influenza Surveillance system in the week</p> <ul style="list-style-type: none"> <li>□ Five tested positive for pandemic influenza A (H1N1)</li> <li>□ Eighteen tested positive for influenza A (H3)</li> <li>□ One tested positive for influenza B</li> </ul> <p>✦ All tested negative for influenza A (H1) and influenza A (H5) virus</p>
<div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;"> <b>Disease specific reports</b> </div> <p><b>Malaria</b></p> <p>✦ Reported cases decreased from 146,552 in week 46 to 139,845 in week 47</p> <p>✦ Mortality reduced from 4 in week 46 to 13 in week 47</p> <ul style="list-style-type: none"> <li>□ The deaths were reported from: Bungoma East (3), Kibwezi (3), Kakamega North (2), Kitui (1), Kisumu West (1), Turkana Central (1), Turkana North (1) and Nandi East (1) Districts</li> </ul> <p>✦ Overall, 76,253 (55%) cases were laboratory tested, yielding a positivity rate of 32%</p> <p><b>Cholera</b></p> <p>✦ One hundred and forty cases were reported in the week from Dadaab Refugee Camp</p>	

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**Summary of Weekly Integrated Disease Surveillance and Response Report for week 47**

Province	District	Reports Expected	Reports Received	%RR	Malaria Indicators				Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	VHFs	Other *	AFP	NNT
					Cases	Tested	Positive	Positivity											
Central																			
	Gatundu	42	38	90	224(0)	224	4	1.8	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu East	36	36	100	544(0)	741	94	12.7	0(0)	191(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	100	78	78	0(0)	103	51	49.5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga Central	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Muranga North	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Muranga South	50	43	86	404(0)	628	20	3.2	0(0)	93(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	26	86	172(0)	619	62	10.0	0(0)	6(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	30	28	93	74(0)	191	21	11.0	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Nyeri North	70	70	100	3(0)	282	3	1.1	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	35	64	178(0)	178	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)
	Thika	62	51	82	604(0)	316	5	1.6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kikuyu	28	24	85	128(0)	412	76	18.4	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ruiru	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kirinyaga West	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kirinyaga East	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mwea East	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mwea West	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Coast																			
	Kaloleni	20	18	90	1186(0)	283	55	19.4	0(0)	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	45	30	66	1141(0)	443	78	17.6	0(0)	6(0)	11(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	40	100	1343(0)	2103	528	25.1	0(0)	8(0)	22(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Kinango	23	22	95	1168(0)	234	32	13.7	0(0)	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwale	21	21	100	1427(0)	1127	207	18.4	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	34	34	100	525(0)	297	10	3.4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Malindi	47	47	100	1237(0)	1347	82	6.1	0(0)	0(0)	47(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	2(0)	0(0)
	Mombasa	35	35	100	1026(0)	2236	573	25.6	0(0)	8(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	21	100	238(0)	367	161	43.9	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	56	56	100	561(0)	320	48	15.0	0(0)	0(0)	4(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	16	16	100	540(0)	118	30	25.4	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana River	21	13	61	388(0)	60	23	38.3	0(0)	3(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	14	14	100	371(0)	342	37	10.8	0(0)	7(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

**Eastern**

	Chalbi	11	6	54	105(0)	0	0	0.0	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu West	19	16	84	939(0)	721	118	16.4	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garbatula	14	9	64	301(0)	7	3	42.9	0(0)	1(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe South	35	22	62	1186(0)	426	252	59.2	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru Central	22	20	90	996(0)	1240	910	73.4	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti North	55	55	100	1903(0)	3002	926	30.8	0(0)	92(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti South	67	64	95	2969(0)	3169	1795	56.6	0(0)	145(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isiolo	25	16	64	702(0)	459	86	18.7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kangundo	28	27	96	576(0)	179	28	15.6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kibwezi	31	29	93	886(3)	403	75	18.6	0(0)	43(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kitui	85	67	78	2050(1)	1136	522	46.0	0(0)	18(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kyuso	30	27	90	586(0)	180	80	44.4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laisamis	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Maara	31	28	90	1116(0)	639	312	48.8	0(0)	21(0)	1(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Machakos	33	11	33	239(0)	378	12	3.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makueni	44	42	95	1357(0)	559	80	14.3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marsabit	12	9	75	307(0)	194	31	16.0	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere North	12	12	100	821(0)	406	216	53.2	0(0)	11(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Mbooni	24	22	91	733(0)	0	0	0.0	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru South	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Moyale	23	17	73	132(0)	73	9	12.3	0(0)	26(0)	101(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mutomo	30	24	80	568(0)	126	33	26.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwala	32	29	90	763(0)	330	49	14.8	0(0)	63(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwingi	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nzaui	22	20	90	436(0)	127	44	34.6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tharaka	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Tigania	28	16	57	915(0)	334	139	41.6	0(0)	27(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Yatta	20	15	75	363(0)	0	0	0.0	0(0)	26(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu East	25	25	100	1231(0)	964	586	60.8	0(0)	21(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Athi River	26	22	84	588(0)	710	272	38.3	0(0)	69(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe North	25	18	72	913(0)	614	330	53.7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masinga	30	30	100	877(0)	301	86	28.6	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu North	14	14	100	468(0)	260	31	11.9	0(0)	57(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere South	22	22	100	415(0)	185	68	36.8	0(0)	5(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mukaa	16	16	100	334(0)	204	27	13.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

**Nairobi**

	Embakasi	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kamukunji	27	23	85	153(0)	86	36	41.9	0(0)	98(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Westlands	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Njiru	30	18	60	11(0)	219	11	5.0	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makadara	23	19	82	919(0)	407	0	0.0	0(0)	437(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kasarani	50	37	74	803(0)	1152	166	14.4	0(0)	149(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Starehe	16	14	87	44(0)	119	14	11.8	0(0)	57(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Dagoreti	56	100	178	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(0)	0(0)
	Langata	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

**North Eastern**

	Fafi	11	7	63	26(0)	40	0	0.0	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	17	10	58	463(0)	918	203	22.1	0(0)	73(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	12	10	83	95(0)	168	41	24.4	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Lagdera	11	8	72	73(0)	39	3	7.7	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	7	6	85	226(0)	67	0	0.0	0(0)	3(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	7	87	139(0)	101	24	23.8	0(0)	27(0)	109(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Wajir East	15	13	86	331(0)	67	42	62.7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	6	5	83	225(0)	22	7	31.8	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	12	8	66	252(0)	112	19	17.0	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	12	11	91	400(0)	49	19	38.8	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera North	5	5	100	57(0)	59	5	8.5	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Daadab Refugee Camp								140(0)										
<b>Nyanza</b>																			
	Bondo	27	26	96	1435(0)	522	226	43.3	0(0)	26(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	20	74	1035(0)	221	8	3.6	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	South Gucha	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Homa Bay	30	24	80	1262(0)	754	375	49.7	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	34	31	91	973(0)	707	49	6.9	0(0)	61(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	3(0)	0(0)
	Kisii South	11	11	100	506(0)	523	60	11.5	0(0)	13(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	48	88	3562(0)	1307	561	42.9	0(0)	15(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	24	22	91	1201(1)	556	110	19.8	0(0)	20(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	16	13	81	411(0)	112	75	67.0	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	17	70	645(0)	48	14	29.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	18	17	94	84(0)	81	19	23.5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	32	100	655(0)	295	14	4.7	0(0)	93(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	26	26	100	947(0)	268	218	81.3	0(0)	12(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	26	25	96	641(0)	418	8	1.9	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	32	18	56	1829(0)	387	159	41.1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)



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	Rachuonyo	35	15	42	2496(0)	1655	220	13.3	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarieda	22	22	100	1154(0)	766	268	35.0	0(0)	23(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	25	25	100	1102(0)	654	168	25.7	0(0)	38(0)	75(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Siaya	30	27	90	1405(0)	287	120	41.8	0(0)	55(0)	3(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	2(0)	0(0)
	Mbita	27	26	96	574(0)	171	51	29.8	0(0)	2(0)	7(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyatike	28	28	100	1462(0)	654	74	11.3	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ndhiwa	26	26	100	3076(0)	2385	718	30.1	0(0)	5(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamache	13	12	92	325(0)	125	18	14.4	0(0)	17(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ugenya	26	23	88	1243(0)	375	146	38.9	0(0)	98(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Uriri	15	15	100	465(0)	181	88	48.6	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gem	29	16	55	861(0)	632	204	32.3	0(0)	51(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kenyenya	12	12	100	425(0)	252	37	14.7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	18	16	88	1166(0)	522	226	43.3	0(0)	23(0)	11(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marani	9	9	100	492(0)	322	20	6.2	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Rachuonyo North	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nyamira North	27	25	92	806(0)	212	5	2.4	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyakach	10	10	100	672(0)	166	48	28.9	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

**Rift Valley**

	Baringo	31	28	90	439(0)	92	50	54.3	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	37	27	72	532(0)	29	15	51.7	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	23	21	91	764(0)	225	13	5.8	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Buret	27	22	81	955(0)	355	73	20.6	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Eldoret East	38	36	94	1086(0)	211	71	33.6	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	32	80	1666(0)	551	273	49.5	0(0)	121(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	30	19	63	575(0)	209	31	14.8	0(0)	27(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	18	18	100	370(0)	127	7	5.5	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho East	12	7	58	414(0)	150	21	14.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	41	35	85	789(0)	201	10	5.0	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Koibatek	38	35	92	569(0)	135	41	30.4	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	18	17	94	800(0)	398	210	52.8	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	12	85	200(0)	38	0	0.0	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	6	66	62(0)	0	0	0.0	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia West	31	30	96	574(0)	0	0	0.0	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	25	21	84	442(0)	0	0	0.0	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet West	33	24	72	526(0)	73	20	27.4	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	9	8	88	228(0)	0	0	0.0	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	36	34	94	1076(0)	527	167	31.7	0(0)	70(0)	5(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru Central	26	17	65	579(0)	532	24	4.5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	2(0)	0(0)
	Nakuru North	47	41	87	1247(0)	424	113	26.7	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nandi East	32	27	84	799(1)	365	64	17.5	0(0)	17(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	24	21	87	815(0)	295	90	30.5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	24	19	79	869(0)	196	79	40.3	0(0)	48(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	32	32	100	435(0)	279	95	34.1	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	21	70	347(0)	152	26	17.1	0(0)	45(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	20	19	95	535(0)	147	25	17.0	0(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot North	15	15	100	641(0)	595	304	51.1	0(0)	19(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu Central	24	12	50	180(0)	0	0	0.0	0(0)	10(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	13	6	46	202(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)	0(0)
	Samburu North	12	9	75	186(0)	0	0	0.0	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	31	31	100	1072(0)	166	10	6.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	10	100	176(0)	110	11	10.0	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Mara	48	25	52	581(0)	163	2	1.2	0(0)	14(0)	1(0)	15(1)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Trans Nzoia East	23	22	95	883(0)	843	383	45.4	0(0)	166(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	24	24	100	1749(0)	594	166	27.9	0(0)	8(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	46	28	60	2397(1)	565	327	57.9	0(0)	59(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	13	50	1181(1)	1476	632	42.8	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	20	5	25	398(0)	20	8	40.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	37	97	737(0)	551	151	27.4	0(0)	44(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	21	87	1478(0)	364	83	22.8	0(0)	72(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Belgut	19	16	84	680(0)	217	28	12.9	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuresoi	32	24	75	222(0)	81	19	23.5	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Njoro	25	12	48	283(0)	0	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)
	Marigat	16	15	93	401(0)	90	18	20.0	0(0)	12(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet East	28	21	75	586(0)	66	16	24.2	0(0)	8(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Konoin	22	21	95	548(0)	81	10	12.3	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Chepalungu	21	21	100	643(0)	114	4	3.5	0(0)	21(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isinya	15	12	80	329(0)	160	30	18.8	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado North	33	18	54	498(0)	321	77	24.0	0(0)	1(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo South	32	30	93	467(0)	71	41	57.7	0(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

**Western**

	Bungoma East	13	13	100	825(3)	974	510	52.4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma North	15	15	100	1047(0)	434	293	67.5	0(0)	11(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma South	22	22	100	2232(0)	743	363	48.9	0(0)	141(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma West	9	9	100	973(0)	792	264	33.3	0(0)	37(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bunyala	7	7	100	1001(0)	485	160	33.0	0(0)	1(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	19	19	100	1842(0)	1248	687	55.0	0(0)	123(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	10	10	100	1202(0)	652	315	48.3	0(0)	57(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	23	23	100	865(0)	201	114	56.7	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	13	100	668(0)	416	189	45.4	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Kakamega Central	30	30	100	2560(0)	1368	564	41.2	0(0)	100(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East	14	14	100	1314(0)	997	174	17.5	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North	20	20	100	1032(2)	376	288	76.6	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	11	100	784(0)	324	195	60.2	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	14	14	100	991(0)	180	22	12.2	0(0)	61(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt. Elgon	16	16	100	979(0)	860	504	58.6	0(0)	0(0)	54(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	18	18	100	1658(0)	891	287	32.2	0(0)	20(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	11	11	100	1261(0)	277	198	71.5	0(0)	9(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso North	11	11	100	1302(0)	188	43	22.9	0(0)	31(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Matungu	10	10	100	1244(0)	668	329	49.3	0(0)	162(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso South	9	9	100	1505(0)	439	174	39.6	0(0)	52(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lukuyani	7	7	100	436(0)	100	17	17.0	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Matete	7	7	100	417(0)	130	33	25.4	0(0)	51(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sabatia	12	12	100	778(0)	444	138	31.1	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butula	13	13	100	1217(0)	601	310	51.6	0(0)	46(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Khwisero	14	14	100	646(0)	296	128	43.2	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma Central	14	14	100	471(0)	382	141	36.9	0(0)	33(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kimilili Bungoma	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Week 47 summary	140 (0)	1,098 (0)	139,845 (13)	76,253	24,547	37 (1)	5 (1)	4,753 (0)	0 (0)	11 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	477 (2)	54,020 (17)	7,911,783 (1,089)	3,983,366	1,364,460	3,009 (11)	119 (5)	255,462 (12)	11 (3)	92 (0)	0 (0)	0 (0)	0 (0)

Key:

DNR: District did not report for this disease

AFP: Acute Flaccid Paralysis

MM: Meningococcal Meningitis

VHF: Viral Hemorrhagic Fever

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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)

NEP: North Eastern Province

% RR: Health Facility reporting rate for this week