



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 48

Week Ending 4th December 2011

Provincial & national surveillance indicators for week 48

Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	17	17	17	81	100	100	94
Coast	13	13	13	95	100	100	98
Eastern	35	34	34	78	97	100	91
Nairobi	9	8	8	78	89	100	87
N. Eastern	12	11	11	77	92	100	88
Nyanza	33	31	31	87	94	100	93
R. Valley	53	44	44	79	83	100	85
Western	28	27	27	99	96	100	98
National	200	185	185	83	93	100	91

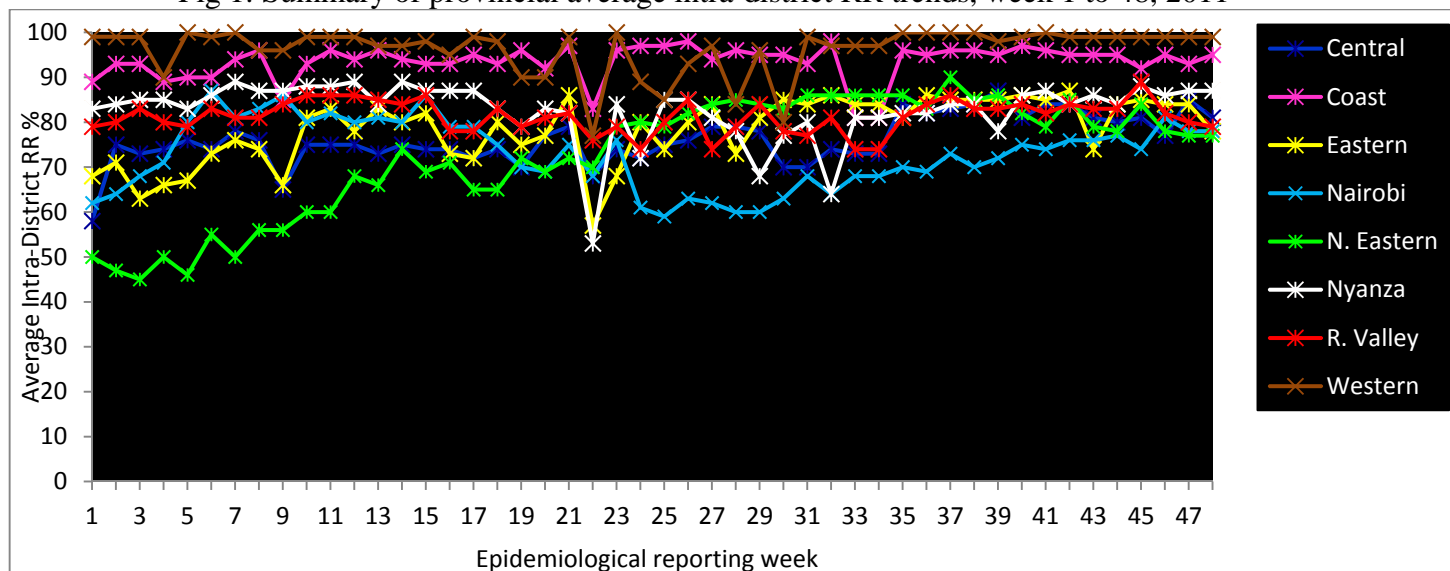
✚ Overall IDSR reporting performance improved in week 48 as compared to week 47

✚ 4 new measles cases confirmed in week 48 in 4 districts

✚ Total confirmed measles cases in the country now 488 by week 48

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Fig 1: Summary of provincial average intra-district RR trends, week 1 to 48, 2011



Reports not received from the following 15 districts

Mbeere South, Dagoreti, Wajir East, South Gucha, Rachuonyo, East Pokot, Eldoret West, Kericho East, Kipkelion, Loitoktok, Nandi North, Narok South, Samburu East, West Pokot and Kakamega East

Fig. 2: Confirmed measles cases (n=488), week 1 to 48, 2011

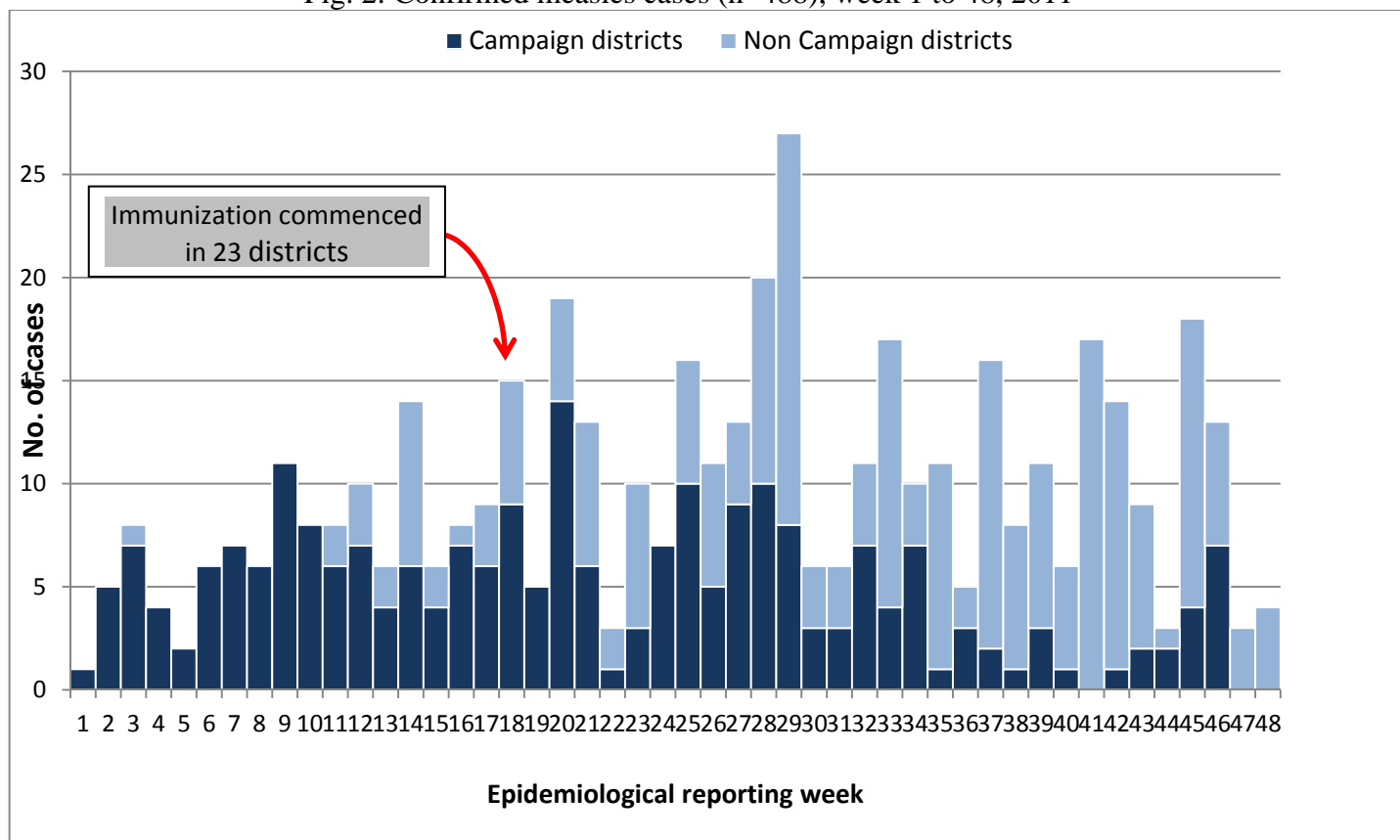
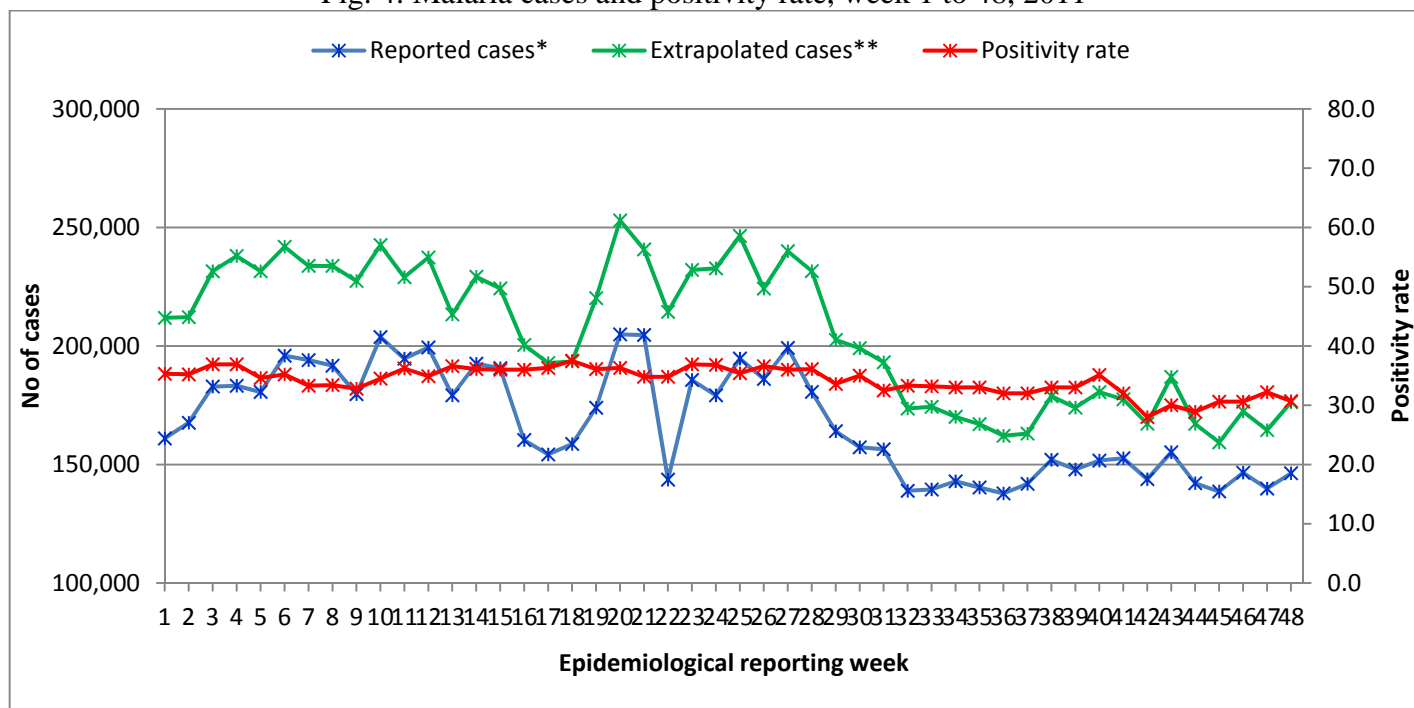


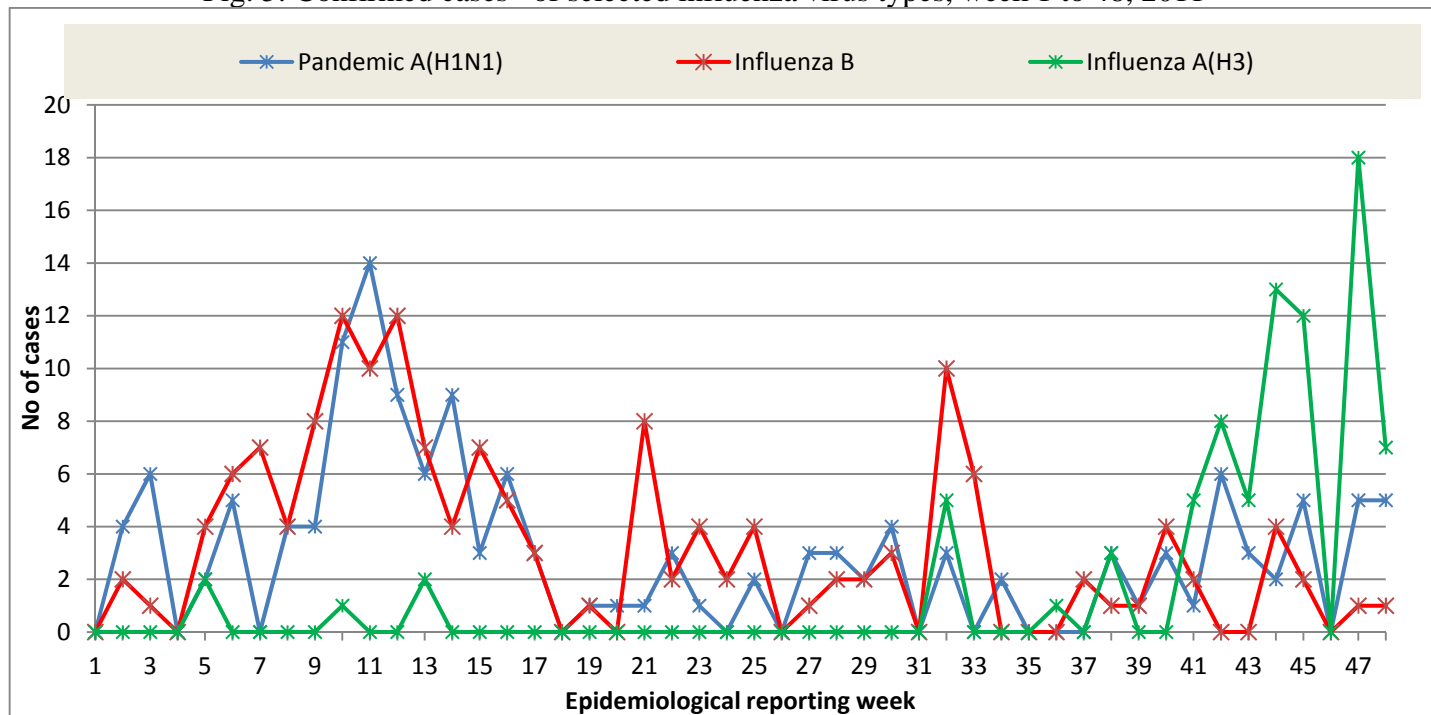
Fig. 4: Malaria cases and positivity rate, week 1 to 48, 2011



* 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 48, 2011



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

Highlights for the week

- ✦ Nationally:
 - The surveillance weighted aggregate score increased from 90% in week 47 to 91% in week 48
 - The proportion of districts that reported also increased from 89% in week 47 to 93% in week 48
 - The intra-district average reporting rate decreased from 85% in week 47 to 83% in week 48
- ✦ Best performing provinces in week 48 of 2011:
 - District reporting rate: Coast and Central Provinces had 100% district reporting while only 83% of districts in Rift Valley Province reported
 - Intra-district facility reporting rate: 99% of health facilities in Western province reported while only 77% of facilities reported in North Eastern Province
- ✦ Most improved provinces in week 48 of 2011:
 - Intra-district facility RR: Coast (93% to 95%) Provinces improved the most. Performance in Eastern (84% to 78%) Province declined the most
 - District reporting rate: Performance in Central (59% to 100%) Province improved the most
- ✦ Fifty three (27%) districts [a decrease from sixty three (32%) districts in week 47] attained 100% intra-district reporting rate

Disease specific reports

Malaria

- ✦ Reported cases increased from 139,845 in week 47 to 146,305 in week 48
- ✦ Mortality reduced from 13 in week 47 to 11 in week 48
 - The deaths were reported from: Bunyala (3), Tana River (2), Nandi East (2) Marani (1), Pokot North (1), Turkana Central (1) and Bungoma East (1) Districts
- ✦ Overall, 82,829 (57%) cases were laboratory tested, yielding a positivity rate of 31%

Cholera

- ✦ Two hundred and twenty five cases were reported in the week from Dadaab Refugee Camp

Measles

- ✦ 123 suspected cases (an increase from 37 in week 47) were reported from 23 districts, with no death reported.
 - The cases were reported from: Turkana South (21), Suba (16), Moyale (16), Mwingi (11), Kisii South (9), Kyuso (9), Nyamira (6), Turkana North (6), Busia (4), Kasarani (4), Mander West (3), Kisumu West (2), Kiambu East (2), Isinya (2), Mt. Elgon (2), Turkana Central (2), Mombasa (2), Narok North (1), Malindi (1), Taita (1), Kilindini (1), Muranga South (1) and Kilifi (1) Districts
- ✦ The laboratory surveillance system received 23 case specimen from 13 districts.
 - Four (17%) specimen tested positive for measles IgM.
 - The specimen were submitted from: Siaya (1), Malindi (1), Muhoroni (1) and Homabay (1) Districts
- ✦ Six (26%) specimen tested positive for rubella

Dysentery

- ✦ Reported cases increased from 1,098 in week 47 to 1,133 in week 48 with no death reported

Typhoid fever

- ✦ Reported cases decreased from 4,753 in week 47 to 4,579 in week 48 with no death reported

AFP

- ✦ Two cases were reported in the week by Siaya and Koibatek Districts with no reported death
- ✦ All investigated cases tested negative for polio virus

Meningococcal Meningitis

- ✦ Eight cases were reported in the week by Laikipia East (3), Bomet (2), Buret (2) and Turkana North (1) Districts with no death reported

NNT

- ✦ Zero cases were reported in the week
- ✦ **Influenza (Walter Reed Influenza Surveillance)**
- ✦ Thirty specimen were submitted to the national influenza center by the Walter Reed Influenza Surveillance system in the week
 - Five tested positive for pandemic influenza A (H1N1)
 - Seven tested positive for influenza A (H3)
 - One tested positive for influenza B
- ✦ All tested negative for influenza A (H1) and influenza A (H5) virus

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Summary of Weekly Integrated Disease Surveillance and Response Report for week 48

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 rate											
Central																			
	Gatundu	42	38	90	215(0)	215	3	1.4	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu East	36	34	94	344(0)	783	74	9.5	0(0)	163(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	44	38	86	224(0)	552	79	14.3	0(0)	57(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga Central	21	18	85	837(0)	348	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)
	Muranga North	49	41	83	385(0)	58	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)
	Muranga South	50	43	86	328(0)	595	22	3.7	0(0)	73(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	22	73	100(0)	540	41	7.6	0(0)	70(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	30	27	90	72(0)	273	22	8.1	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	70	100	5(0)	93	5	5.4	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	36	66	75(0)	75	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	53	85	649(0)	387	6	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	50	28	56	286(0)	754	168	22.3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga West	13	7	53	98(0)	98	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)
	Kirinyaga East	30	23	76	156(0)	386	4	1.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwea East	21	11	52	9(0)	264	9	3.4	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwea West	10	7	70	204(0)	253	4	1.6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Coast																			
	Kaloleni	20	16	80	1181(0)	262	71	27.1	0(0)	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	45	37	82	2750(0)	892	84	9.4	0(0)	0(0)	52(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	40	100	1323(0)	2313	648	28.0	0(0)	13(0)	21(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	1294(0)	237	62	26.2	0(0)	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwale	21	21	100	2108(0)	1129	317	28.1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	34	33	97	521(0)	304	10	3.3	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	1531(0)	639	135	21.1	0(0)	0(0)	60(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mombasa	35	35	100	1891(0)	4278	323	7.6	0(0)	0(0)	8(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	21	100	271(0)	174	47	27.0	0(0)	0(0)	0(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	549(0)	242	59	24.4	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana River	21	16	76	484(2)	138	47	34.1	0(0)	7(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	14	14	100	323(0)	411	47	11.4	0(0)	7(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Eastern																			
	Chalbi	11	8	72	100(0)	0	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)
	Embu West	19	16	84	923(0)	742	136	18.3	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garbatula	14	9	64	309(0)	25	8	32.0	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe South	35	26	74	1278(0)	552	426	77.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru Central	22	20	90	1175(0)	1520	996	65.5	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti North	55	55	100	1809(0)	3264	1070	32.8	0(0)	67(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti South	67	50	74	2420(0)	2360	1302	55.2	0(0)	59(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isiolo	25	18	72	687(0)	483	116	24.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kangundo	28	19	67	291(0)	164	19	11.6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kibwezi	30	29	96	1109(0)	506	63	12.5	0(0)	38(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kitui	85	60	70	1947(0)	1090	533	48.9	0(0)	18(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kyuso	30	19	63	544(0)	179	105	58.7	0(0)	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laisamis	12	8	66	77(0)	33	22	66.7	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Maara	31	28	90	1078(0)	621	316	50.9	0(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Machakos	33	13	39	392(0)	460	11	2.4	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makueni	44	40	90	1594(0)	536	76	14.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marsabit	11	6	54	266(0)	176	37	21.0	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere North	10	10	100	428(0)	130	74	56.9	0(0)	4(0)	1(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	750(0)	294	27	9.2	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru South	25	21	84	767(0)	639	251	39.3	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Moyale	23	21	91	195(0)	95	8	8.4	0(0)	33(0)	83(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mutomo	35	20	57	547(0)	31	10	32.3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwala	32	28	87	643(0)	312	53	17.0	0(0)	41(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwingi	45	33	73	1071(0)	197	19	9.6	0(0)	38(0)	36(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nzaui	22	19	86	718(0)	193	68	35.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tharaka	20	7	35	392(0)	104	42	40.4	0(0)	7(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tigania	28	15	53	866(0)	184	76	41.3	0(0)	12(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Yatta	20	17	85	546(0)	378	81	21.4	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu East	25	25	100	959(0)	1058	548	51.8	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Athi River	26	19	73	309(0)	397	96	24.2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe North	25	18	72	689(0)	480	346	72.1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masinga	30	29	96	1091(0)	253	62	24.5	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu North	14	14	100	419(0)	263	44	16.7	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere South	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mukaa	17	17	100	334(0)	237	43	18.1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nairobi																			
	Embakasi	30	29	96	879(0)	415	128	30.8	0(0)	50(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kamukunji	27	21	77	123(0)	80	34	42.5	0(0)	71(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Westlands	16	11	68	50(0)	104	27	26.0	0(0)	29(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Njiru	30	18	60	45(0)	337	41	12.2	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makadara	23	18	78	955(0)	483	0	0.0	0(0)	461(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kasarani	50	36	72	776(0)	1124	157	14.0	0(0)	141(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Starehe	15	14	93	27(0)	146	6	4.1	0(0)	81(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Dagoreti	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Langata	36	27	75	354(0)	397	105	26.4	0(0)	81(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
North Eastern																			
	Fafi	11	7	63	284(0)	29	5	17.2	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	17	11	64	418(0)	846	244	28.8	0(0)	44(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	12	9	75	178(0)	260	23	8.8	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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	Lagdera	11	9	81	55(0)	99	2	2.0	0(0)	1(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	7	6	85	171(0)	122	7	5.7	0(0)	3(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	7	87	131(0)	101	24	23.8	0(0)	24(0)	107(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	7	87	138(0)	43	11	25.6	0(0)	0(0)	18(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Wajir North	6	5	83	255(0)	21	5	23.8	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	10	83	318(0)	136	20	14.7	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	9	75	6264(0)	53	11	20.8	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	61(0)	50	2	4.0	0(0)	2(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Daadab								225(0)										
Nyanza																			
	Bondo	27	23	85	1184(0)	613	237	38.7	0(0)	38(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	17	62	494(0)	215	13	6.0	0(0)	2(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	18	11	61	689(0)	166	102	61.4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Homa Bay	30	26	86	1309(0)	734	365	49.7	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	34	29	85	941(0)	707	49	6.9	0(0)	59(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	11	100	590(0)	325	36	11.1	0(0)	28(0)	4(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	51	94	2817(0)	1073	524	48.8	0(0)	9(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	24	23	95	1335(0)	489	107	21.9	0(0)	26(0)	6(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	16	13	81	404(0)	112	75	67.0	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	23	95	978(0)	78	14	17.9	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	64(0)	57	9	15.8	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	540(0)	306	26	8.5	0(0)	68(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	26	24	92	886(0)	260	211	81.2	0(0)	7(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	26	22	84	542(0)	313	7	2.2	0(0)	27(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	32	18	56	1051(0)	501	203	40.5	0(0)	15(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

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	Rarieda	22	19	86	1173(0)	845	354	41.9	0(0)	43(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	25	25	100	1053(0)	462	181	39.2	0(0)	66(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Siaya	30	25	83	1167(0)	184	69	37.5	0(0)	4(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Mbita	27	19	70	571(0)	236	39	16.5	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyatike	28	25	89	1275(0)	790	104	13.2	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ndhiwa	26	26	100	3499(0)	2724	806	29.6	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamache	13	12	92	353(0)	141	25	17.7	0(0)	25(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ugenya	26	23	88	1053(0)	359	203	56.5	0(0)	44(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Uriri	15	14	93	393(0)	215	101	47.0	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gem	29	25	86	1279(0)	937	304	32.4	0(0)	31(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kenyenya	12	12	100	446(0)	275	44	16.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	18	17	94	887(0)	218	88	40.4	0(0)	60(0)	3(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marani	9	9	100	419(1)	225	8	3.6	0(0)	15(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo North	26	20	76	325(0)	131	100	76.3	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira North	26	24	92	805(0)	179	4	2.2	0(0)	3(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyakach	16	9	56	443(0)	144	41	28.5	0(0)	12(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	477(0)	64	52	81.3	0(0)	16(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	37	28	75	601(0)	71	18	25.4	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	23	23	100	924(0)	634	92	14.5	0(0)	64(0)	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Buret	27	24	88	962(0)	634	92	14.5	0(0)	23(0)	8(0)	0(0)	2(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	35	92	1052(0)	285	83	29.1	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kajiado	30	20	66	631(0)	177	38	21.5	0(0)	46(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	18	18	100	307(0)	150	43	28.7	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho East	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kipkelion	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Koibatek	38	33	86	501(0)	103	15	14.6	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)

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	Kwanza	18	17	94	791(0)	407	216	53.1	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	165(0)	16	0	0.0	0(0)	24(0)	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	5	55	43(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)
	Laikipia West	31	29	93	427(0)	0	0	0.0	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Marakwet West	33	24	72	513(0)	54	15	27.8	0(0)	24(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	9	8	88	205(0)	0	0	0.0	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	36	33	91	638(0)	539	152	28.2	0(0)	57(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru Central	26	18	69	602(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)
	Nakuru North	46	41	89	1314(0)	474	132	27.8	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	26	18	69	602(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)
	Nandi East	32	27	84	826(2)	349	61	17.5	0(0)	11(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nandi South	24	21	87	1089(0)	129	45	34.9	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	30	23	76	309(0)	158	33	20.9	0(0)	41(0)	5(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Pokot Central	20	19	95	535(0)	165	27	16.4	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot North	15	11	73	527(1)	492	235	47.8	0(0)	12(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu Central	25	15	60	263(0)	0	0	0.0	0(0)	16(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Samburu North	12	9	75	173(0)	0	0	0.0	0(0)	1(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	31	31	100	1028(0)	486	21	4.3	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	10	100	199(0)	122	21	17.2	0(0)	9(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Mara	48	28	58	819(0)	341	3	0.9	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	23	20	86	669(0)	706	269	38.1	0(0)	132(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Trans Nzoia West	24	24	100	1836(0)	637	188	29.5	0(0)	8(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	46	28	60	2262(1)	858	549	64.0	0(0)	53(0)	3(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	14	53	1416(0)	1895	884	46.6	0(0)	0(0)	4(0)	6(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	20	6	30	544(0)	99	21	21.2	0(0)	3(0)	11(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	37	97	578(0)	356	113	31.7	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Belgut	19	15	78	740(0)	289	52	18.0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuresoi	32	27	84	250(0)	117	27	23.1	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Njoro	25	11	44	287(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)	0(0)
	Marigat	16	14	87	429(0)	67	0	0.0	0(0)	18(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet East	28	21	75	590(0)	105	28	26.7	0(0)	7(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Konoin	22	15	68	266(0)	65	10	15.4	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	796(0)	109	7	6.4	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isinya	15	14	93	426(0)	215	23	10.7	0(0)	94(0)	1(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado North	30	20	66	591(0)	177	38	21.5	0(0)	46(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo South	32	28	87	494(0)	63	33	52.4	0(0)	10(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	883(1)	996	373	37.4	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	994(0)	413	264	63.9	0(0)	32(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma South	22	22	100	2641(0)	1053	302	28.7	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma West	9	9	100	1017(0)	746	209	28.0	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bunyala	7	7	100	1044(3)	525	184	35.0	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	19	19	100	1818(0)	1442	799	55.4	0(0)	109(0)	8(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	10	10	100	1462(0)	683	302	44.2	0(0)	59(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	23	23	100	819(0)	389	475	122.1	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	13	100	791(0)	268	122	45.5	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central	30	30	100	2680(0)	1496	560	37.4	0(0)	120(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Kakamega East	DNR	DNR	0	DNR	DNR	DNR	0.0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kakamega North	20	20	100	1029(0)	512	338	66.0	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	714(0)	230	152	66.1	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	14	13	92	758(0)	138	18	13.0	0(0)	10(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt. Elgon	16	16	100	1064(0)	850	417	49.1	0(0)	52(0)	50(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	18	18	100	2929(0)	1433	406	28.3	0(0)	13(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	11	11	100	1323(0)	286	192	67.1	0(0)	11(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso North	11	11	100	1373(0)	226	63	27.9	0(0)	25(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	10	10	100	611(0)	556	295	53.1	0(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Matungu	10	10	100	1149(0)	651	346	53.1	0(0)	137(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso South	9	9	100	1538(0)	475	180	37.9	0(0)	43(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lukuyani	10	10	100	631(0)	169	10	5.9	0(0)	13(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Matete	7	7	100	484(0)	125	23	18.4	0(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sabatia	12	12	100	874(0)	454	147	32.4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butula	13	13	100	1037(0)	1699	267	15.7	0(0)	92(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Khwisero	14	14	100	799(0)	286	121	42.3	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma Central	14	14	100	523(0)	423	152	35.9	0(0)	45(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kimilili Bungoma	8	8	100	551(0)	456	261	57.2	0(0)	61(0)	10(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 48 summary	225 (0)	1,133 (0)	146,305 (11)	82,829	25,410	123 (0)	8 (0)	4,579 (0)	0 (0)	2 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	702 (2)	55,153 (17)	8,058,088 (1,100)	4,066,195	1,389,870	3,132 (11)	127 (5)	260,005 (12)	11 (3)	94 (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

MM: Meningococcal Meningitis

VHF: Viral Hemorrhagic Fever

NEP: North Eastern Province

% RR: Health Facility reporting rate for this week

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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)