



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

**WEEKLY EPIDEMIOLOGICAL BULLETIN**

**Week 45**

**Week Ending 13<sup>th</sup> November 2011**

Provincial & national surveillance indicators for week 45

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	12	12	92	92	100	93
Eastern	35	34	34	85	97	100	93
Nairobi	9	7	7	74	78	100	80
N. Eastern	12	12	12	84	100	100	95
Nyanza	33	29	29	88	88	100	90
R. Valley	53	43	43	89	81	100	87
Western	28	25	25	99	89	100	94
National	200	179	179	87	90	100	90

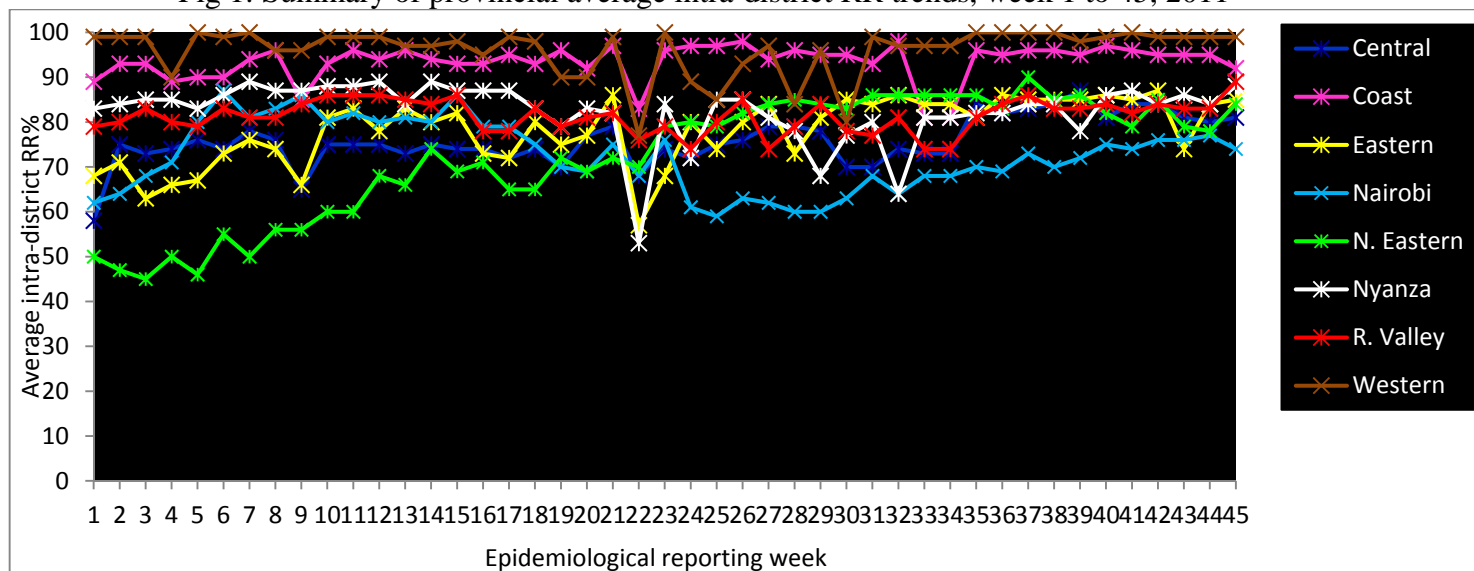
✚ Overall IDSR reporting performance improved in week 45 as compared to week 44

✚ 18 new measles cases confirmed in week 45 in 14 districts

✚ Total confirmed measles cases in the country now 468 by week 45

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Fig 1: Summary of provincial average intra-district RR trends, week 1 to 45, 2011



**Reports not received from the following 21 districts**

Tana Delta, Chalbi, Embakasi, Madaraka, Ndhiwa, Mbita, Rachuonyo, Nyakach, Baringo, Kipkelion, Molo, Sotik, Njoro, Konoin, Eldoret West, Nandi Central, Samburu North, Bungoma East, Bungoma South, Lugari and Samburu East

Fig. 2: Confirmed measles cases (n=468), week 1 to 45, 2011

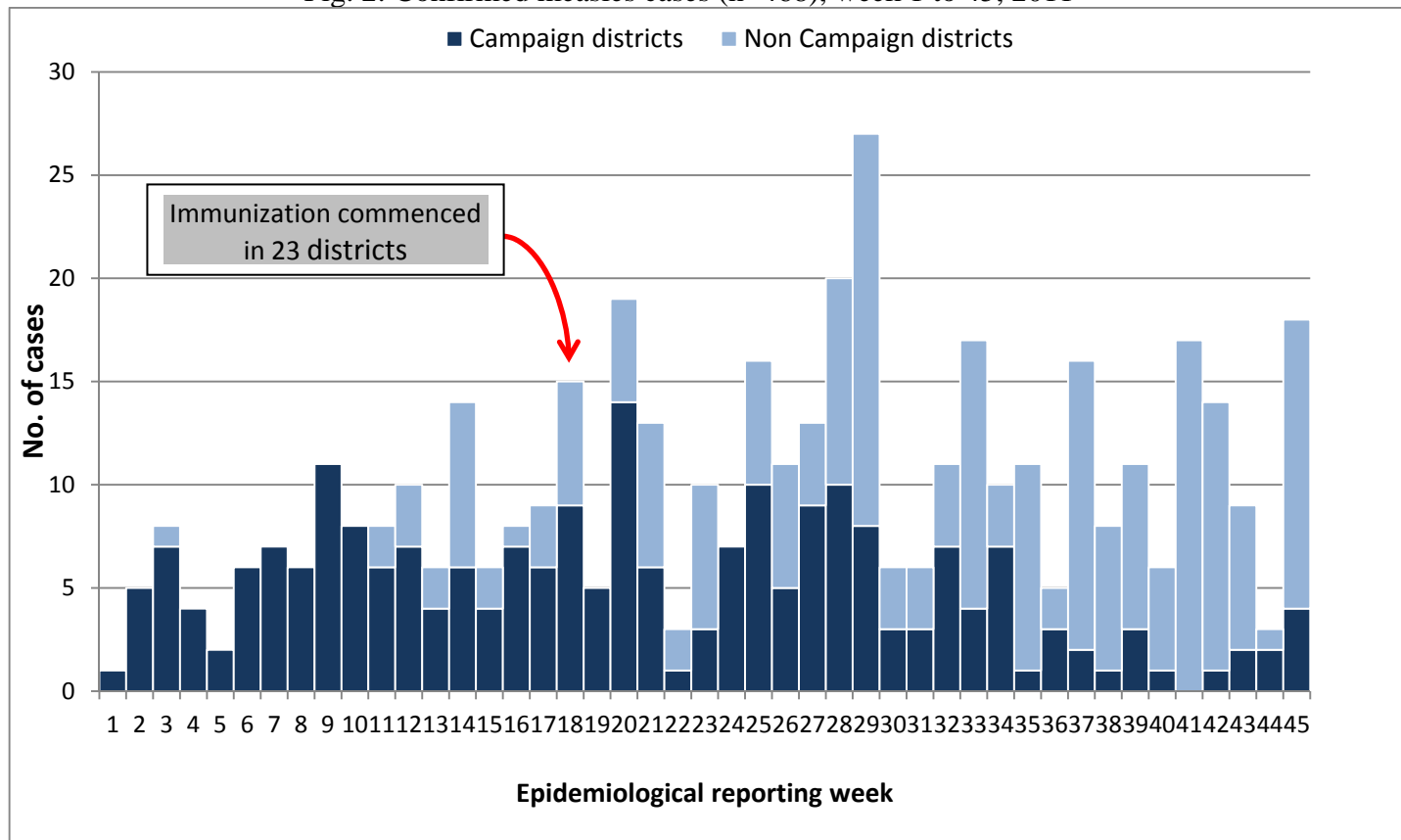
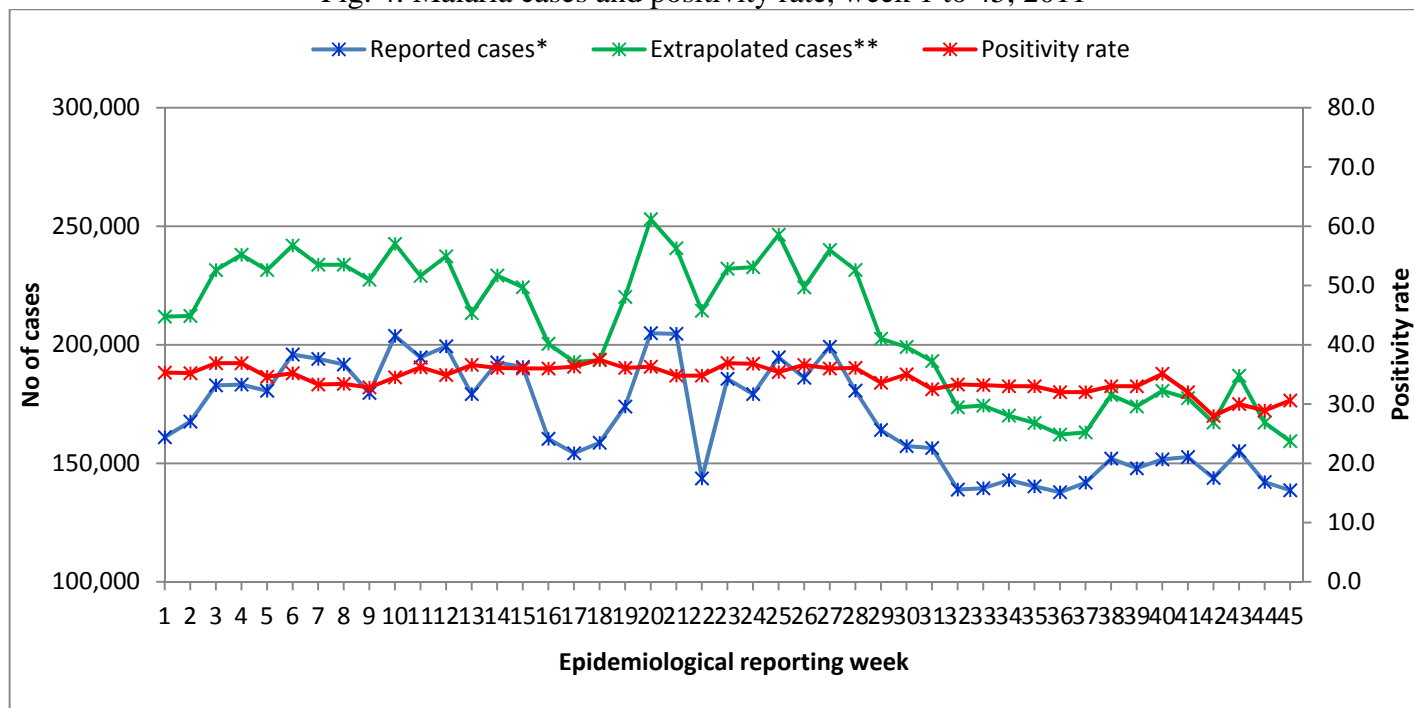


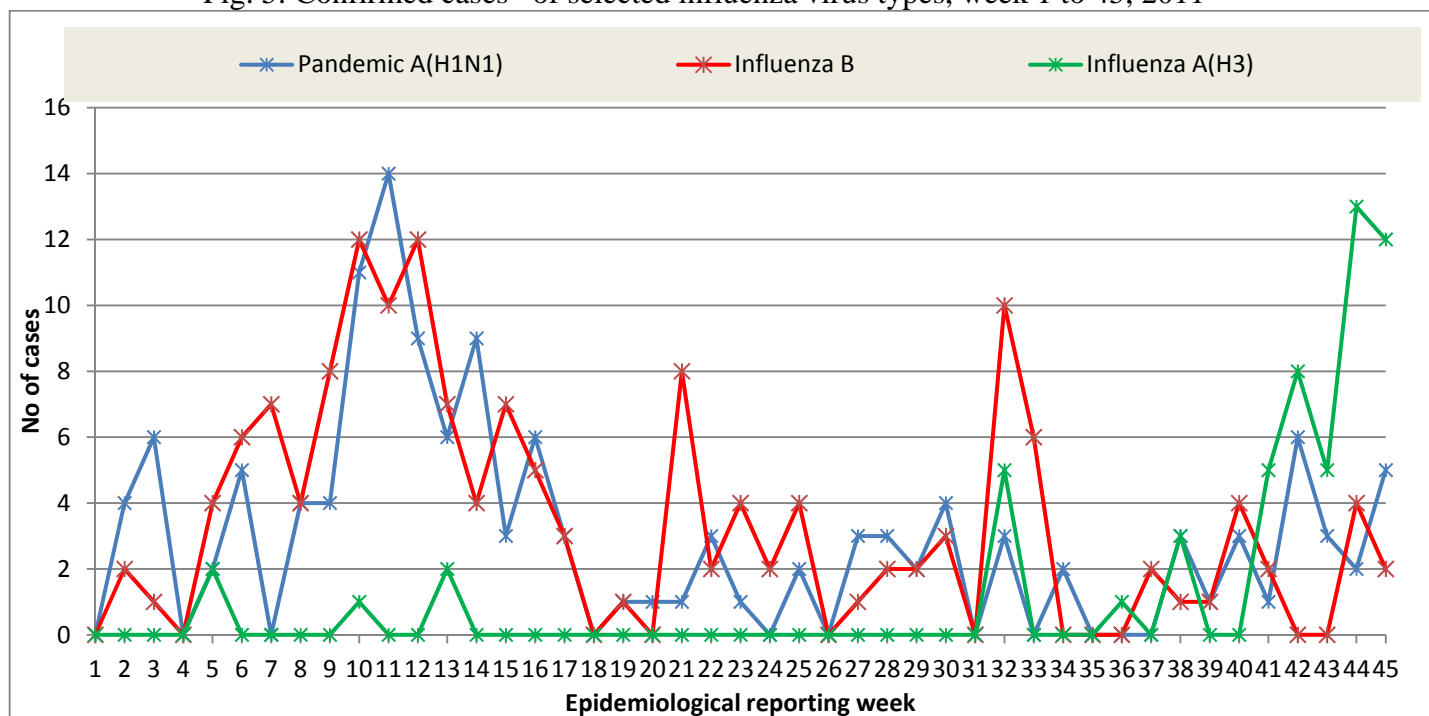
Fig. 4: Malaria cases and positivity rate, week 1 to 45, 2011



\* 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 45, 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 88% in week 44 to 90% in week 45
  - The proportion of districts that reported also increased from 85% in week 44 to 90% in week 45
  - The intra-district average reporting rate increased from 85% in week 44 to 87% in week 45
- ✦ **Best performing provinces in week 45 of 2011:**
  - District reporting rate: Central and North Eastern Provinces had 100% district reporting while only 78% of districts in Nairobi Province reported
  - Intra-district facility reporting rate: 99% of health facilities in Western province reported while only 74% of health facilities in Nairobi province reported
- ✦ **Most improved provinces in week 45 of 2011:**
  - Intra-district facility RR: North Eastern (78% to 84%) and Rift Valley (83% to 89%) Provinces improved the most. Performance in Nairobi (77% to 74%) and Coast (95% to 92%) Provinces declined the most
  - District reporting rate: Performance in Eastern (57% to 97%) and Central (76% to 100%) Provinces improved
- ✦ Fifty five (28%) districts [a decrease from fifty nine (30%) districts in week 44] attained 100% intra-district reporting rate

### Disease specific reports

#### **Malaria**

- ✦ Reported cases decreased from 142,098 in week 44 to 138,624 in week 45
- ✦ Mortality reduced from 17 in week 44 to 15 in week 45
  - The deaths were reported from: Imenti North (4), Nandi East (2), Kakamega North (2), Mbeere North (1), Embu East (1), Igembe North (1), Kitui (1), Nakuru Central (1), Pokot North (1) and Trans Nzoia West (1).
- ✦ Overall, 79,752 (58%) cases were laboratory tested, yielding a positivity rate of 31%

#### **Cholera**

- ✦ Sixty five cases were reported in the week from Dadaab Refugee Camps

#### **Measles**

- ✦ 103 suspected cases (an increase from 98 in week 44) were reported from 21 districts, with no death reported
  - The cases were reported from: Dadaab Refugee Camp (13), Kyuso (20), Ijara (10), Kajiado North (8), Mwingi (7), Turkana South (6), Lagdera (5), Wajir East (5), Taveta (5), Busia (4), Kitui (3), Mandera West (3), Isinya (2), Nyatike (2), Igembe South (2), Mombasa (2), Kilindini (1), Kwale (1), Meru South (1), Borabu (1), Kisumu West (1), Rongo (1),
- ✦ The laboratory surveillance system received 42 case specimens from 22 districts.
  - Eighteen (43%) specimen tested positive for measles IgM.
  - The specimen were submitted from: Turkana North (2), Trans Mara (2), Nyatike (2), Muranga South (2), Migori (1), Kajiado (1), Kilifi (1), Nairobi North (1), Suba (1), Mumias (1), Kajiado North (1), Kakamega North (1), Thika (1) and Nairobi West Districts
- ✦ Four (10%) specimen tested positive for rubella

#### **Dysentery**

- ✦ Reported cases increased from 1223 in week 44 to 1306 in week 45 with no death reported

#### **Typhoid fever**

- ✦ Reported cases decreased from 5,438 in week 44 to 4510 in week 45 with no death reported

#### **AFP**

- ✦ Four cases were reported in the week by Kisii Central, Naivasha, Chepalungu and Marani Districts with no reported death
- ✦ All investigated cases tested negative for polio virus

#### **Meningococcal Meningitis**

- ✦ Three cases was reported in the week by Embu West District with no reported death

#### **NNT**

- ✦ Zero cases was reported in the week
- ✦ **Influenza (Walter Reed Influenza Surveillance)**
  - ✦ Fifty 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)
    - Twelve tested positive for influenza A (H3)
    - Two tested positive for influenza B
    - All tested negative for influenza A (H1) and influenza A (H5) virus

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.ddsr.or.ke>

Editorial Team: Dr. D. Mutonga, Dr. D. Langat, Dr. P. Muthoka, Dr. O. Shikanga, Dr. L. Makayotto, C. Njuguna, J. Njau, J. Njoroge, H. Limo, Z. Irura, M. Badel, C. Maina, R. Kalani, D. Mwangi, A. MuangeJ., Ayaga, P. Njiru and F. Akinyi

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**Summary of Weekly Integrated Disease Surveillance and Response Report for week 45**

Province	District	Reports Expected	Reports Received	%RR	Malaria Indicators				Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	VHFs	Other *	AFP	NNT
					Total cases	Lab Tested	Positive	Positivity											
<b>Central</b>																			
	Gatundu	42	38	90	237(0)	247	2	1	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	36	100	627(0)	1004	59	6	0(0)	178(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	44	35	79	252(0)	365	66	18	0(0)	65(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga Central	21	16	76	1068(0)	898	0	0	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Muranga North	49	40	81	301(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)
	Muranga South	50	44	88	468(0)	507	9	2	0(0)	85(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	27	90	282(0)	742	75	10	0(0)	90(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	30	28	93	51(0)	143	9	6	0(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	70	100	3(0)	390	3	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	56	33	58	158(0)	158	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	48	77	546(0)	312	6	2	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kikuyu	28	23	82	144(0)	348	66	19	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ruiru	50	37	74	363(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)
	Kirinyaga West	13	7	53	103(0)	103	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	24	80	200(0)	377	3	1	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	7	33	4(0)	99	4	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	5	50	141(0)	129	1	1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
<b>Coast</b>																			
	Kaloleni	19	18	94	1428(0)	385	46	12	0(0)	1(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	45	34	75	1445(0)	568	75	13	0(0)	0(0)	61(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	40	100	1446(0)	2132	788	37	0(0)	15(0)	14(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kinango	23	22	95	1158(0)	251	43	17	0(0)	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Kwale	21	21	100	1248(0)	1168	234	20	0(0)	0(0)	20(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	34	33	97	536(0)	294	8	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	958(0)	1145	53	5	0(0)	0(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mombasa	35	35	100	1828(0)	3273	595	18	0(0)	7(0)	4(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	20	95	124(0)	198	42	21	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	55	54	98	654(0)	1146	303	26	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Tana River	21	6	28	223(0)	62	21	34	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	14	14	100	486(0)	406	45	11	0(0)	1(0)	5(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

**Eastern**

	Chalbi	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Embu West	19	16	84	903(0)	643	112	17	0(0)	0(0)	1(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garbatula	14	10	71	229(0)	62	17	27	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe South	35	23	65	2172(0)	1067	379	36	0(0)	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru Central	22	20	90	1086(0)	1171	826	71	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti North	55	55	100	2217(4)	2915	973	33	0(0)	99(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti South	67	64	95	3008(0)	3384	1925	57	0(0)	164(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isiolo	25	19	76	531(0)	449	142	32	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kangundo	28	21	75	466(0)	266	13	5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kibwezi	30	28	93	1061(0)	474	105	22	0(0)	58(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kitui	85	78	91	2429(1)	1069	496	46	0(0)	8(0)	7(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kyuso	30	22	73	655(0)	208	89	43	0(0)	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laisamis	12	6	50	55(0)	40	20	50	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Maara	31	29	93	1477(0)	840	403	48	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Machakos	33	20	60	239(0)	728	24	3	0(0)	1(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makueni	44	43	97	1531(0)	617	92	15	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marsabit	12	7	58	313(0)	181	35	19	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere North	12	12	100	698(1)	260	165	63	0(0)	44(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbooni	24	18	75	747(0)	197	20	10	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Meru South	25	22	88	1050(0)	1026	417	41	0(0)	10(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Moyale	23	18	78	212(0)	96	12	13	0(0)	24(0)	64(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mutomo	28	28	100	839(0)	85	22	26	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	725(0)	310	44	14	0(0)	33(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwingi	45	34	75	779(0)	0	0	0	0(0)	22(0)	79(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nzau	24	15	62	550(0)	181	47	26	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tharaka	25	15	60	933(0)	379	85	22	0(0)	57(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tigania	28	15	53	778(0)	255	139	55	0(0)	26(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Yatta	20	18	90	648(0)	344	105	31	0(0)	5(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu East	25	25	100	1160(1)	1370	709	52	0(0)	17(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Athi River	26	23	88	435(0)	545	202	37	0(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe North	25	23	92	954(1)	513	277	54	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masinga	33	31	93	1043(0)	273	75	27	0(0)	41(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu North	14	14	100	607(0)	440	40	9	0(0)	53(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere South	22	21	95	560(0)	311	85	27	0(0)	5(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mukaa	16	15	93	440(0)	298	49	16	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
<b>Nairobi</b>																			
	Embakasi	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kamukunji	27	24	88	124(0)	75	33	44	0(0)	103(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Westlands	16	11	68	57(0)	102	44	43	0(0)	43(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Njiru	30	18	60	44(0)	341	48	14	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makadara	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kasarani	50	33	66	861(0)	836	325	39	0(0)	111(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Starehe	15	14	93	51(0)	203	27	13	0(0)	72(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Dagoreti	34	26	76	323(0)	172	37	22	0(0)	35(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Langata	36	27	75	346(0)	379	118	31	0(0)	111(0)	54(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
<b>North Eastern</b>																			
	Fafi	11	6	54	5(0)	50	1	2	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	17	13	76	356(0)	803	214	27	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	12	9	75	156(0)	168	4	2	0(0)	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	11	10	90	109(0)	84	1	1	0(0)	0(0)	11(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Mandera Central	7	6	85	169(0)	90	4	4	0(0)	0(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	6	75	187(0)	129	31	24	0(0)	32(0)	57(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	7	87	294(0)	75	11	15	0(0)	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	15	15	100	276(0)	41	16	39	0(0)	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	6	6	100	369(0)	37	11	30	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	235(0)	175	35	20	0(0)	0(0)	45(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	12	11	91	251(0)	59	10	17	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera North	5	5	100	70(0)	43	4	9	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
<b>Nyanza</b>																			
	Bondo	27	26	96	1500(0)	445	175	39	0(0)	76(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	23	85	991(0)	220	8	4	0(0)	0(0)	1(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	18	18	100	842(0)	248	174	70	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	18	94	653(0)	296	52	18	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	30	27	90	774(0)	756	305	40	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	34	31	91	970(0)	838	35	4	0(0)	83(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Kisii South	11	11	100	567(0)	499	59	12	0(0)	34(0)	33(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	42	77	4019(0)	1617	649	40	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	24	23	95	1603(0)	635	217	34	0(0)	38(0)	15(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	16	11	68	440(0)	43	23	53	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	23	95	943(0)	88	33	38	0(0)	2(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	18	17	94	98(0)	86	26	30	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	24	75	455(0)	223	6	3	0(0)	78(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	26	26	100	860(0)	321	248	77	0(0)	9(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	26	25	96	837(0)	367	6	2	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	47	26	55	2006(0)	676	371	55	0(0)	37(0)	50(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	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Rarieda	22	21	95	1303(0)	715	233	33	0(0)	45(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	25	25	100	777(0)	289	160	55	0(0)	47(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)



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	Siaya	30	30	100	2054(0)	425	189	44	0(0)	68(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbita	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nyatiike	28	28	100	1279(0)	695	0	0	0(0)	6(0)	25(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ndhiwa	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nyamache	13	12	92	357(0)	139	27	19	0(0)	14(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ugenya	26	25	96	1420(0)	405	229	57	0(0)	46(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Uriri	15	15	100	478(0)	123	59	48	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gem	29	29	100	1796(0)	992	365	37	0(0)	46(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kenyenya	12	12	100	476(0)	335	46	14	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	957(0)	287	89	31	0(0)	15(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marani	9	9	100	431(0)	315	17	5	0(0)	9(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo North	26	5	19	212(0)	50	34	68	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira North	27	25	92	703(0)	210	6	3	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	NYAKACH	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

**Rift Valley**

	Baringo	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Baringo North	37	23	62	462(0)	21	13	62	0(0)	7(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	23	21	91	931(0)	329	26	8	0(0)	100(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Buret	27	16	59	949(0)	956	169	18	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	18	16	88	320(0)	0	0	0	0(0)	21(0)	78(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	38	36	94	1203(0)	369	124	34	0(0)	66(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	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kajiado	30	21	70	615(0)	241	29	12	0(0)	44(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	18	18	100	457(0)	181	41	23	0(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho East	12	9	75	605(0)	160	51	32	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Koibatek	38	35	92	511(0)	103	55	53	0(0)	21(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	18	13	72	658(0)	171	147	86	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	217(0)	30	0	0	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia	9	6	66	52(0)	0	0	0	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	North																		
	Laikipia West	31	24	77	523(0)	0	0	0	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	25	20	80	371(0)	0	0	0	0(0)	23(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet West	33	24	72	591(0)	49	9	18	0(0)	28(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Naivasha	35	32	91	1248(0)	453	201	44	0(0)	76(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Nakuru Central	45	43	95	304(1)	516	24	5	0(0)	96(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	46	41	89	1294(0)	553	171	31	0(0)	19(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	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nandi East	32	27	84	862(2)	340	72	21	0(0)	16(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	24	19	79	583(0)	229	58	25	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	18	75	859(0)	81	57	70	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	32	32	100	455(0)	438	94	21	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	25	83	428(0)	179	27	15	0(0)	41(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	20	19	95	734(0)	245	25	10	0(0)	37(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot North	15	12	80	805(1)	770	369	48	0(0)	19(0)	2(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)	10(0)	1(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	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Samburu North	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Sotik	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Tinderet	10	10	100	227(0)	152	33	22	0(0)	16(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Mara	48	27	56	697(0)	274	0	0	0(0)	22(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	23	17	73	607(0)	617	250	41	0(0)	94(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	1927(1)	593	174	29	0(0)	9(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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	Turkana Central	46	11	23	587(0)	236	97	41	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	9	34	530(0)	1202	320	27	0(0)	2(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	23	5	21	328(0)	27	14	52	0(0)	0(0)	5(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	38	100	1021(0)	593	162	27	0(0)	48(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	22	91	1403(0)	397	148	37	0(0)	70(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Belgut	19	147	773	586(0)	265	20	8	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuresoi	32	21	65	221(0)	171	24	14	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Njoro	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Marigat	16	14	87	389(0)	71	0	0	0(0)	19(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet East	28	21	75	672(0)	99	28	28	0(0)	11(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Konoin	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Chepalungu	21	21	100	871(0)	183	5	3	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Isinya	15	13	86	485(0)	276	53	19	0(0)	43(0)	4(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado North	33	25	75	719(0)	266	19	7	0(0)	45(0)	6(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo South	32	30	93	660(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)

**Western**

	Bungoma East	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Bungoma North	15	15	100	1144(0)	580	334	58	0(0)	22(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma South	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Bungoma West	9	9	100	1027(0)	714	194	27	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bunyala	7	7	100	920(0)	602	199	33	0(0)	3(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	19	19	100	2224(0)	1186	717	60	0(0)	80(0)	13(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	10	10	100	1371(0)	553	180	33	0(0)	10(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	23	23	100	766(0)	222	70	32	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	13	100	872(0)	447	161	36	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central	30	30	100	1981(0)	1297	448	35	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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Kakamega East	14	14	100	1367(0)	919	171	19	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Kakamega North	20	20	100	1083(2)	418	294	70	0(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	756(0)	306	155	51	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Lugari	DNR	DNR	0	DNR	DNR	DNR	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Mt. Elgon	16	15	93	950(0)	815	334	41	0(0)	31(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Mumias	18	18	100	1417(0)	722	242	34	0(0)	11(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Samia	11	11	100	1237(0)	274	178	65	0(0)	10(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Teso North	11	11	100	1501(0)	0	0	0	0(0)	27(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Vihiga	10	10	100	826(0)	711	280	39	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Matungu	10	10	100	1274(0)	796	413	52	0(0)	126(0)	45(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Teso South	9	9	100	1490(0)	517	241	47	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Lukuyani	10	10	100	1568(0)	174	19	11	0(0)	6(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Matete	7	7	100	487(0)	101	58	57	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Sabatia	12	12	100	836(0)	559	212	38	0(0)	49(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	1369(0)	693	349	50	0(0)	40(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Khwisero	14	14	100	861(0)	375	154	41	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Bungoma Central	14	14	100	517(0)	449	165	37	0(0)	31(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Kimilili Bungoma	8	8	100	537(0)	439	250	57	0(0)	56(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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	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Week 45 summary	65 (0)	1306 (0)	138,624 (17)	79,752	24,442	103 (0)	3 (0)	4,510 (0)	0 (0)	4 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	139 (2)	51,480 (17)	7,625,386 (1,072)	3,824,777	1,314,759	2,862 (10)	100 (4)	245,659 (11)	11 (3)	78 (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

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)