



Republic of Kenya  
Ministry of Public Health and Sanitation

# WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 18

Week Ending 7<sup>th</sup> May 2011

Provincial & national surveillance indicators for week 18

Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	10	10	74	91	100	87
Coast	13	12	12	93	92	100	94
Eastern	28	28	28	80	100	100	93
Nairobi	3	3	3	75	100	100	92
N. Eastern	11	11	11	65	100	100	88
Nyanza	21	19	19	83	90	100	90
R. Valley	43	41	41	83	95	100	92
Western	19	19	19	98	100	100	99
National	149	143	143	82	96	100	92

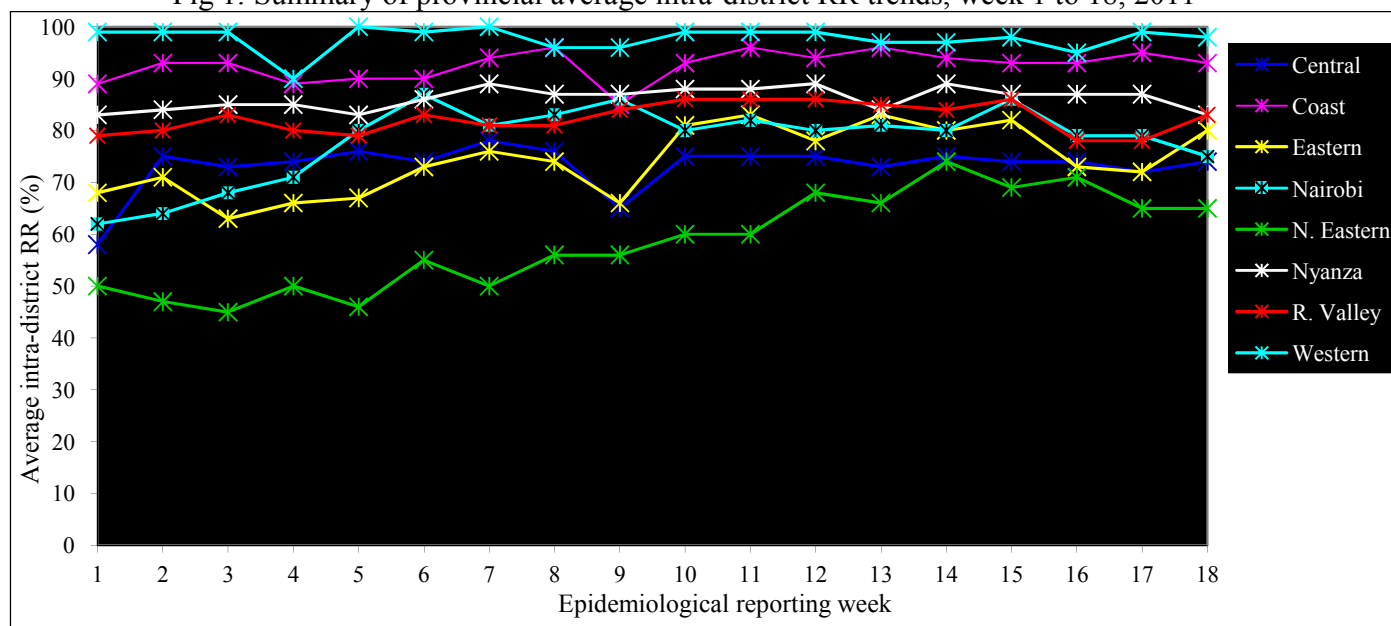
⊕ Bulletin delayed due to upgrading of IDSR reporting/data system

⊕ 17 new measles cases confirmed in week 18 in 8 districts

⊕ Total confirmed measles cases in the country now 132 by week 18

⊕ Measles vaccination campaign commenced in 23 districts during the week to continue for 11 days

Fig 1: Summary of provincial average intra-district RR trends, week 1 to 18, 2011



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

Murang'a North, Malindi, Kisumu East, Kisumu West, Kipkelion, Trans Nzoia West

Fig. 2: Confirmed measles cases, week 1 to 18, 2011

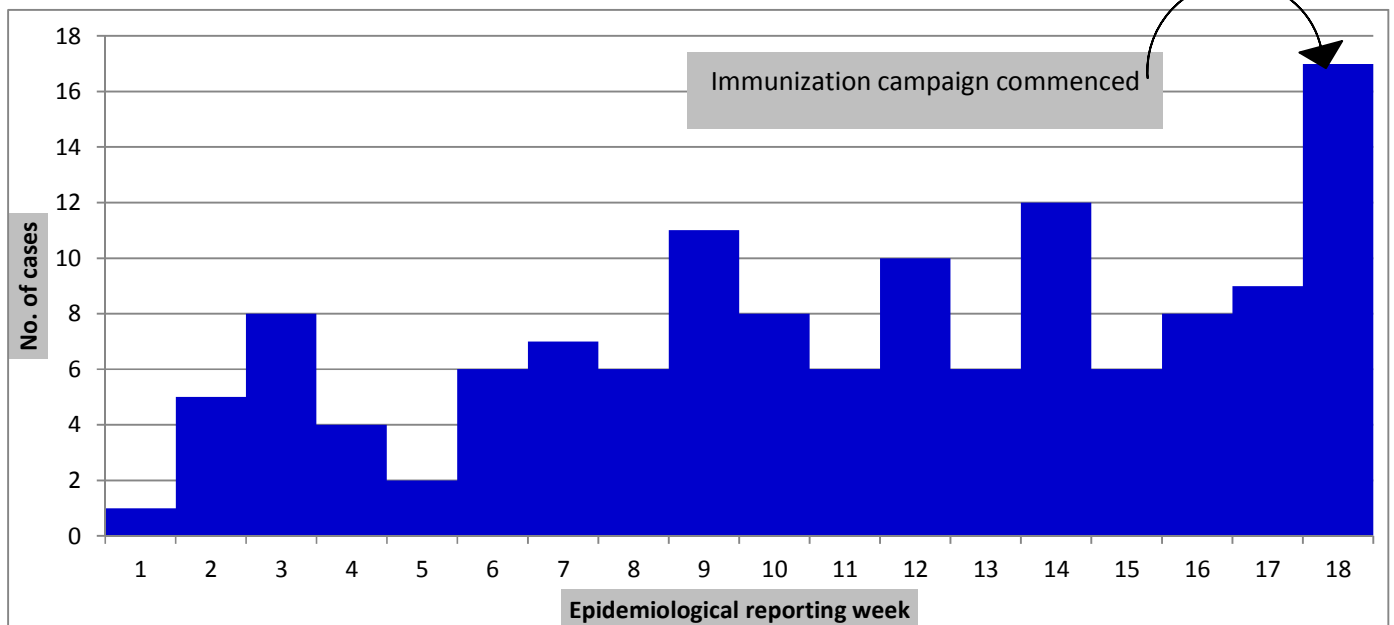


Fig. 3: Confirmed measles cases by reporting district, week 1 to 18, 2011

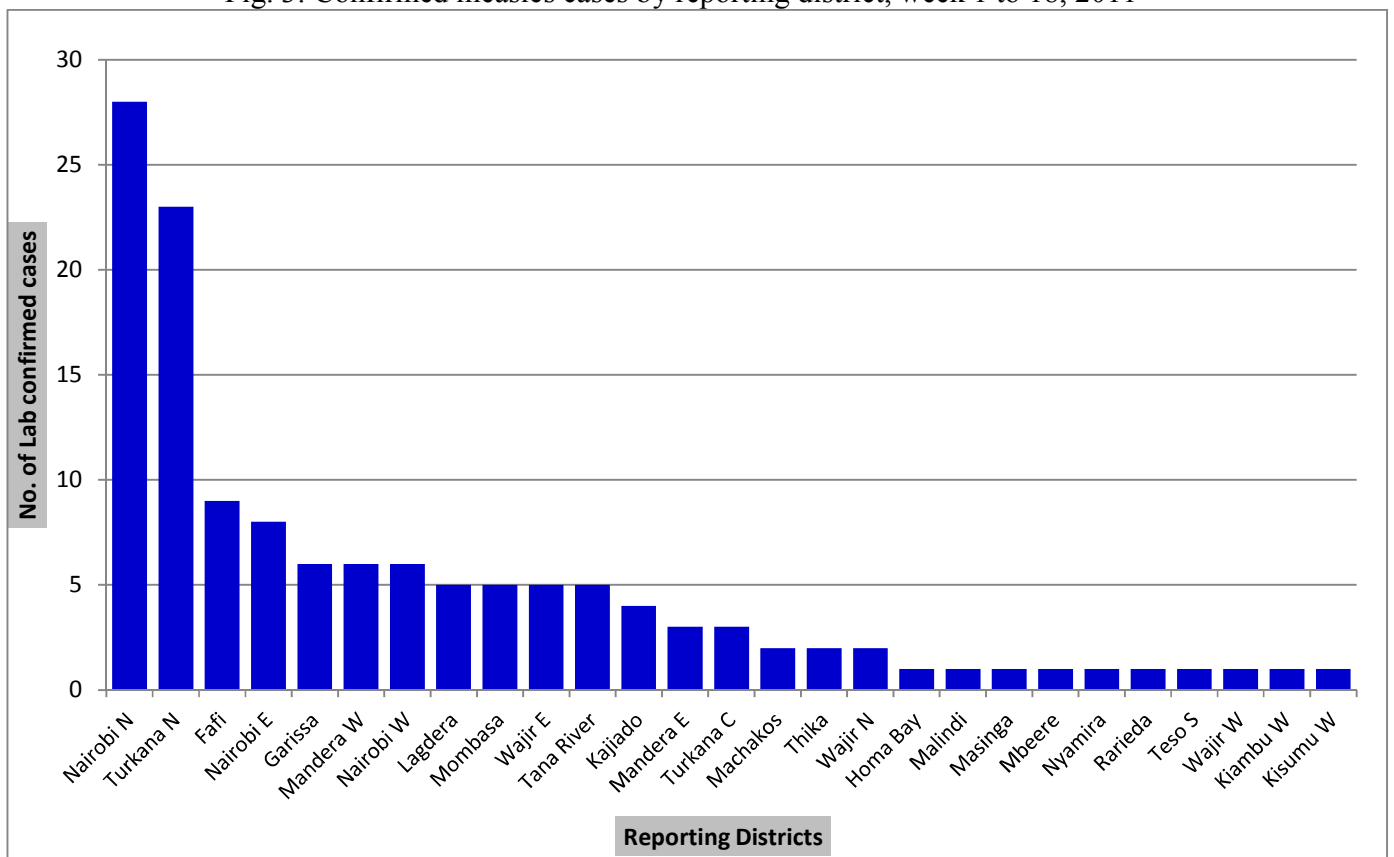
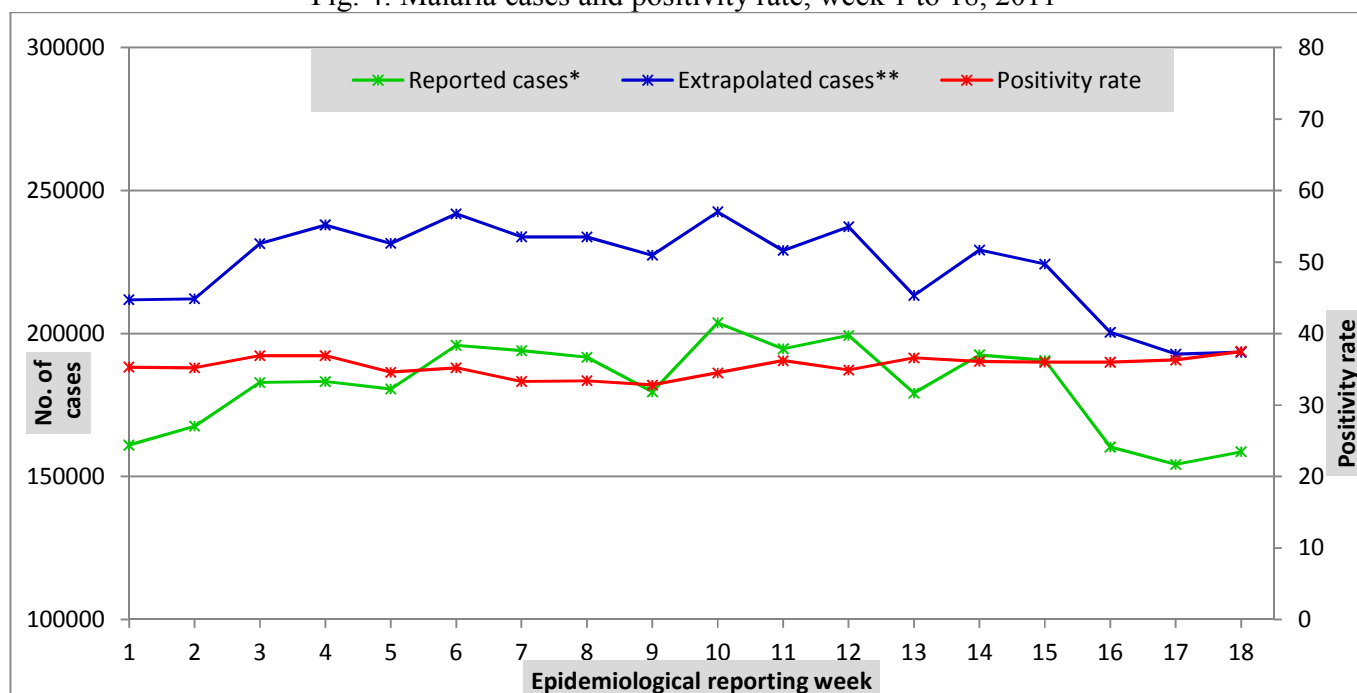


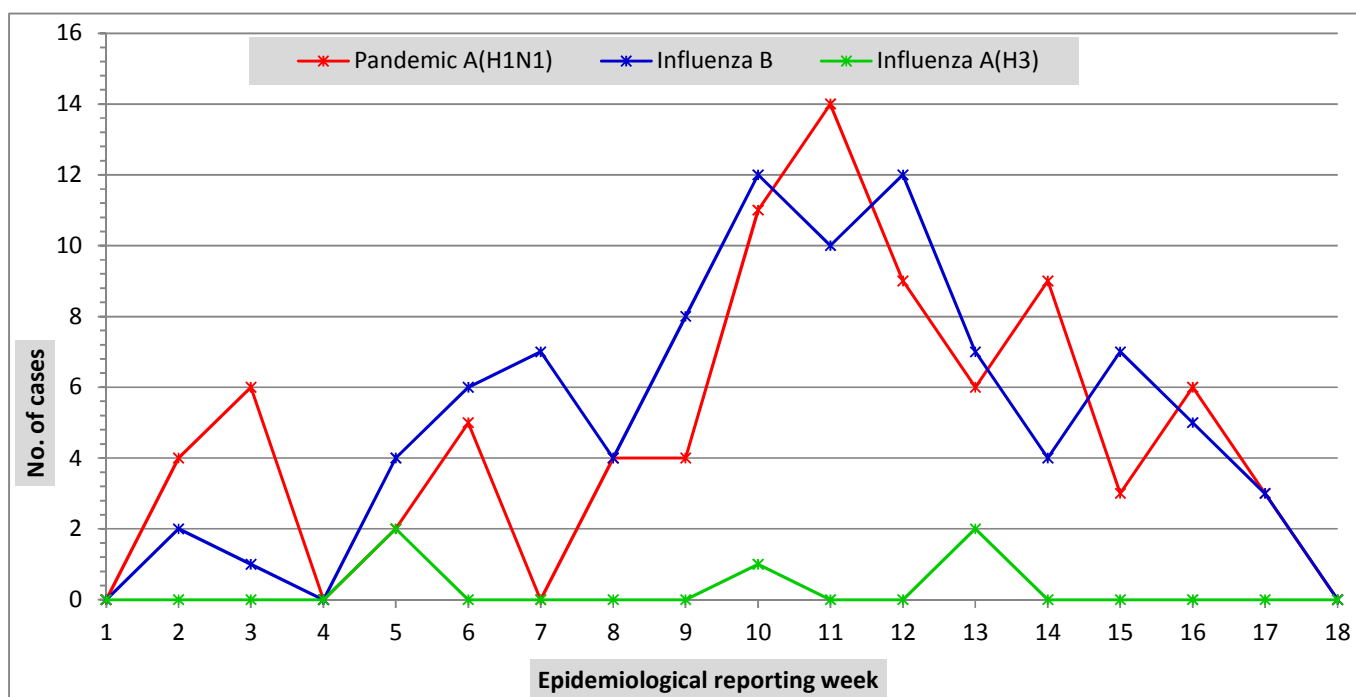
Fig. 4: Malaria cases and positivity rate, week 1 to 18, 2011



\* 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 18, 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 remained at 92% in week 18
  - The number of districts that reported declined from 146 (98%) in week 17 to 143 (96%) in week 18
  - The intra-district average reporting rate improved from 80% to 82%
- ✦ Best performing provinces in week 18 of 2011:
  - District reporting rate: All districts in Eastern, Nairobi, North Eastern and Western provinces reported while only 90% of the districts in Nyanza province reported
  - Intra-district facility reporting rate: Western (98%) and Coast (93%) provinces had the highest facility reporting rate while only 65% of health facilities in North Eastern province and 74% of those in Central province reported
- ✦ Most improved provinces in week 18 of 2011:
  - Intra-district facility RR: Eastern (72% to 80%) and Rift Valley (78% to 83%) provinces improved the most while Nairobi (79% to 75%) and Nyanza (87% to 83%) dropped the most in performance in the week
  - District reporting rate: While only Eastern province (93% to 100%) improved, Nyanza province (100% to 90%) declined the most in performance in week 18
- ✦ Thirty five (23%) districts [a rise from thirty three (22%) districts in week 17] attained 100% intra-district reporting rate

### Disease specific reports

#### Malaria

- ✦ Reported cases rose from 154,248 in week 17 to 158,657 in week 18
- ✦ Mortality also rose from 23 cases in week 17 to 28 cases in week 18
  - The deaths were reported from: East Bungoma (8), Kibwezi (3), Kitui (3), Makueni (3), West Pokot (3), Molo (2), Tana River (1), Imenti (1), Nandi East (1), Trans Nzoia East (1), Turkana North (1) and Turkana South (1) districts
- ✦ Overall, 81,416 (51%) cases were laboratory tested, yielding a positivity rate of 37.5%

#### Cholera

- ✦ Zero cases were reported in the week

#### Measles

- ✦ 64 suspected cases (a rise from 37 in week 17) were reported from 13 districts, with one death reported in Makueni district
- ✦ The cases were reported from the following districts: Wajir East (15), Mandera East (14), Kajiado (7), Kuria East (6), Kitui (3), Meru South (3), Molo (2), Kiambu West (2), Rachuonyo (2), Nyamira (2), Makueni (1), Taita (1), Siaya (1), Nyandarua North (1), Igembe (1), Maara (1), West Pokot (1) and Mombasa (1)
- ✦ The laboratory surveillance system investigated 46 case specimen from 22 districts
  - Seventeen (37%) specimen tested positive for measles IgM. The specimen were submitted from Tana River (5), Turkana North (3), Nairobi West (3), Fafi (2), Kiambu West (1), Kisumu West (1), Nairobi North (1), and Turkana Central (1) districts
  - Ten (22%) specimen tested positive for rubella

#### Dysentery

- ✦ Reported cases rose from 1,181 in week 17 to 1,241 in week 18 with no death

#### Typhoid fever

- ✦ Reported cases rose marginally from 4,912 in week 17 to 4,924 in week 18 with no death

#### AFP

- ✦ One case was reported in the week with no death
- ✦ The case was reported from Trans Mara district

#### Meningococcal Meningitis

- ✦ One case was reported in the week with no death
- ✦ The case was reported from Embu (1) district

#### NNT

- ✦ Zero cases were reported in the week

#### Influenza (Walter Reed Influenza Surveillance)

- ✦ Thirty five specimen were processed by the national influenza center
  - Two (5.7%) tested positive for influenza A but had not been sub-typed
  - None tested positive for influenza A (H1), influenza A (H3), influenza A (H5), influenza B and pandemic influenza A (H1N1) virus

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# Summary of Weekly Integrated Disease Surveillance and Response Report for week 18

Province	District	Reports Expected	% RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF	AFP	NNT
				Cases	Tested	Positive										
Central																
	Gatundu	42	9	295(0)	295	3	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu East	36	9	736(0)	1575	647	0(0)	147(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	54	6	278(0)	636	309	0(0)	85(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga	89	5	1370(0)	1162	41	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Murang'a North	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Murang'a South	40	5	286(0)	394	11	0(0)	135(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua	30	8	316(0)	515	78	0(0)	57(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua	31	9	73(0)	68	8	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	9	6(0)	234	6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Coast	Nyeri South	54	5	99(0)	99	5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Thika	100	7	957(0)	791	24	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kaloleni	18	8	1006(0)	334	86	0(0)	4(0)	84(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	39	9	851(0)	0	0	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	1	1307(0)	1709	801	0(0)	32(0)	215(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kinango	21	1	1809(0)	467	119	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwale	21	9	858(0)	642	84	0(0)	0(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	33	9	411(0)	134	8	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Malindi	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Eastern	Mombasa	35	1	1133(0)	2558	564	0(0)	9(0)	2(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	8	789(0)	291	100	0(0)	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	48	9	629(0)	1128	184	0(0)	3(0)	4(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	16	1	549(0)	178	17	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana River	21	6	482(1)	279	97	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	13	1	323(0)	490	84	0(0)	15(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Chalbi	12	6	75(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF	AFP	NNT
				Cases	Tested	Positive										
	Embu	58	8	2366(0)	2709	1124	0(0)	47(0)	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garbatula	14	7	271(0)	62	4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe	52	9	2683(0)	1660	902	0(0)	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti North	55	1	2203(1)	3536	1493	0(0)	124(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti South	65	7	2409(0)	2459	1462	0(0)	104(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isiolo	25	6	306(0)	383	33	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kangundo	28	5	455(0)	617	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kibwezi	29	1	1162(3)	407	126	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kitui	80	9	2649(3)	1244	601	0(0)	19(0)	20(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kyuso	27	6	402(0)	129	40	0(0)	3(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laisamis	12	9	140(0)	30	20	0(0)	19(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Maara	29	1	1373(0)	848	445	0(0)	40(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Machakos	49	4	352(0)	377	192	0(0)	56(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makueni	43	8	1269(3)	646	134	0(0)	0(0)	0(0)	1(1)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marsabit	12	8	151(0)	153	26	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere	32	9	1352(0)	526	245	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbooni	24	9	1149(0)	446	82	0(0)	31(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru South	25	1	1415(0)	1046	536	0(0)	43(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Moyale	21	8	248(0)	58	2	0(0)	7(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mutomo	20	9	402(0)	27	6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwala	32	8	656(0)	315	59	0(0)	43(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwingi	45	4	547(0)	0	0	0(0)	9(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nzaui	43	8	925(0)	346	70	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tharaka	20	6	584(0)	422	227	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tigania	28	6	1475(0)	190	75	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Yatta	47	9	1442(0)	230	35	0(0)	68(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru Central	15	6	603(0)	726	541	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nairobi																
	Nairobi East	57	7	3248(0)	1211	212	0(0)	171(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi North	81	7	1344(0)	497	162	0(0)	246(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF's	AFP	NNT
				Cases	Tested	Positive										
North Eastern	Nairobi West	71	8	714(0)	638	146	0(0)	126(0)	66(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Fafi	11	6	34(0)	48	3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	23	4	405(0)	577	84	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	10	5	274(0)	140	15	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	13	8	187(0)	76	4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	14	7	169(0)	69	0	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	7	105(0)	28	3	0(0)	0(0)	10(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	8	219(0)	87	35	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	15	9	315(0)	145	79	0(0)	0(0)	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nyanza	Wajir North	6	8	99(0)	52	38	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	15	3	76(0)	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	5	247(0)	21	11	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bondo	26	9	1786(0)	752	365	0(0)	51(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	8	1251(0)	237	25	0(0)	2(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	35	1	1262(0)	686	317	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	42	9	3760(0)	3021	937	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	44	9	2310(0)	1025	143	0(0)	73(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	1	638(0)	335	89	0(0)	16(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kisumu West	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kuria East	16	6	591(0)	82	57	0(0)	9(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	9	849(0)	105	40	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	17	9	153(0)	142	36	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	9	804(0)	424	23	0(0)	100(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	52	9	2013(0)	714	358	0(0)	5(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	48	9	1073(0)	518	16	0(0)	11(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	42	5	2038(0)	616	305	0(0)	16(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF	AFP	NNT
				Cases	Tested	Positive										
	Rachuonyo	56	3	229(0)	118	57	0(0)	9(0)	3(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarieda	22	9	1187(0)	733	275	0(0)	49(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	40	1	2214(0)	612	198	0(0)	90(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Siaya	72	9	6081(0)	2113	1179	0(0)	173(0)	47(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	42	9	1222(0)	457	171	0(0)	41(0)	43(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	1	937(0)	271	66	0(0)	12(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Rift Valley																
	Baringo	50	8	831(0)	228	67	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	37	7	496(0)	46	13	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	27	9	1178(0)	398	33	0(0)	40(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Buret	32	1	1282(0)	416	96	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	17	4	257(0)	0	0	0(0)	13(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	37	1	1282(0)	643	122	0(0)	83(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	9	1376(0)	473	142	0(0)	138(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	63	5	1208(0)	293	102	0(0)	52(0)	16(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	45	8	645(0)	182	45	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	8	1006(0)	335	56	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Koibatek	34	1	621(0)	263	60	0(0)	16(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	18	9	582(0)	204	87	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	8	142(0)	28	0	0(0)	7(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	8	87(0)	0	0	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia West	27	9	591(0)	0	0	0(0)	23(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	23	7	499(0)	0	0	0(0)	15(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	61	7	561(0)	155	87	0(0)	67(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	9	412(2)	0	0	0(0)	10(0)	5(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	8	1370(0)	398	216	0(0)	91(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru Central	45	8	372(0)	559	21	0(0)	88(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	34	9	987(0)	0	0	0(0)	81(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	26	8	892(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)



Province	District	Reports Expected	% RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF	AFP	NNT
				Cases	Tested	Positive										
	Nandi East	32	8	1106(1)	382	90	0(0)	19(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	24	8	1110(0)	443	133	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	18	8	1563(0)	158	68	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	32	1	424(0)	217	39	0(0)	44(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	6	293(0)	164	33	0(0)	44(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	20	9	504(0)	200	62	0(0)	41(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot North	14	7	323(0)	244	40	0(0)	12(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	13	6	154(0)	0	0	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	12	5	155(0)	0	0	0(0)	23(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	30	8	886(0)	243	27	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	1	244(0)	178	42	0(0)	30(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Mara	48	8	1176(0)	276	11	0(0)	25(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
	Trans Nzoia East	24	1	1744(1)	662	198	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Turkana Central	40	7	1321(0)	609	347	0(0)	46(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	6	322(1)	527	55	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	22	7	517(1)	84	14	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	9	770(0)	600	182	0(0)	49(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	8	1170(3)	462	101	0(0)	51(0)	2(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	12	5	281(0)	0	0	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bungoma East	13	1	2607(8)	1908	1088	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma North	21	1	1771(0)	1009	576	0(0)	81(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma South	22	1	4497(0)	1859	1018	0(0)	255(0)	112(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bungoma West	20	1	1807(0)	1356	582	0(0)	44(0)	52(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bunyala	7	1	266(0)	134	43	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	31	1	5267(0)	2507	1485	0(0)	209(0)	42(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	18	1	3775(0)	896	433	0(0)	55(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	1	1669(0)	880	119	0(0)	42(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega	28	1	4010(0)	1831	1019	0(0)	65(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Malaria			Cholera	Typhoid	Dysentery	Measles	MM	Plague	Yellow Fever	Other VHF's	AFP	NNT
				Cases	Tested	Positive										
	Kakamega East	14	1	1556(0)	1060	333	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North	19	1	2185(0)	923	537	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South	11	1	1638(0)	708	317	0(0)	68(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	1	2525(0)	834	259	0(0)	100(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt. Elgon	16	1	1174(0)	900	532	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	1	2855(0)	1114	670	0(0)	160(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	10	1	921(0)	130	66	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	1	4242(0)	1111	475	0(0)	44(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	20	9	3088(0)	1339	638	0(0)	98(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	22	6	603(0)	726	541	0(0)	12(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 18 summary	0 (0)	1,241 (0)	158,657 (28)	81,416	30,525	64 (1)	1 (0)	4,924 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1 (0)	22,038 (1)	3,269,993 (485)	1,508,384	534,075	1,117 (4)	28 (1)	101,490 (3)	2 (0)	14 (0)	0 (0)	0 (0)	0 (0)

Key:

DNR: District did not report for this disease

AFP: Acute Flaccid Paralysis

NNT: Neonatal Tetanus

HF: Health Facilities

Timely reports: Reports received before Wednesday

Intra-district: Proportion of health facilities reporting in a district

Timeliness: Proportion of districts in a province/country reporting on time

Weighted Aggregate Score: Composite Surveillance Score (3 for Timeliness, 2 for Completeness and 1 for Complete reports)

MM: Meningococcal Meningitis

VHF: Viral Hemorrhagic Fever

NEP: North Eastern Province

% RR: Health Facility reporting rate for this week

Editorial:

Dr. D. Mutonga, Dr. C. Nzioka, Dr. M. Ope, Dr. D. Langat, Dr. P. Muthoka, Dr. O. Shikanga, C. Njuguna, J. Njau, J. Njoroge, H. Limo, Z. Irura, M. Badel, C. Maina, E. Kathini, R. Kalani, D. Mwangi, A. Muange, J. Ayaga, P. Njiru and F. Akinyi