



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 16

Week Ending 24th April 2011

Provincial & national surveillance indicators for week 16

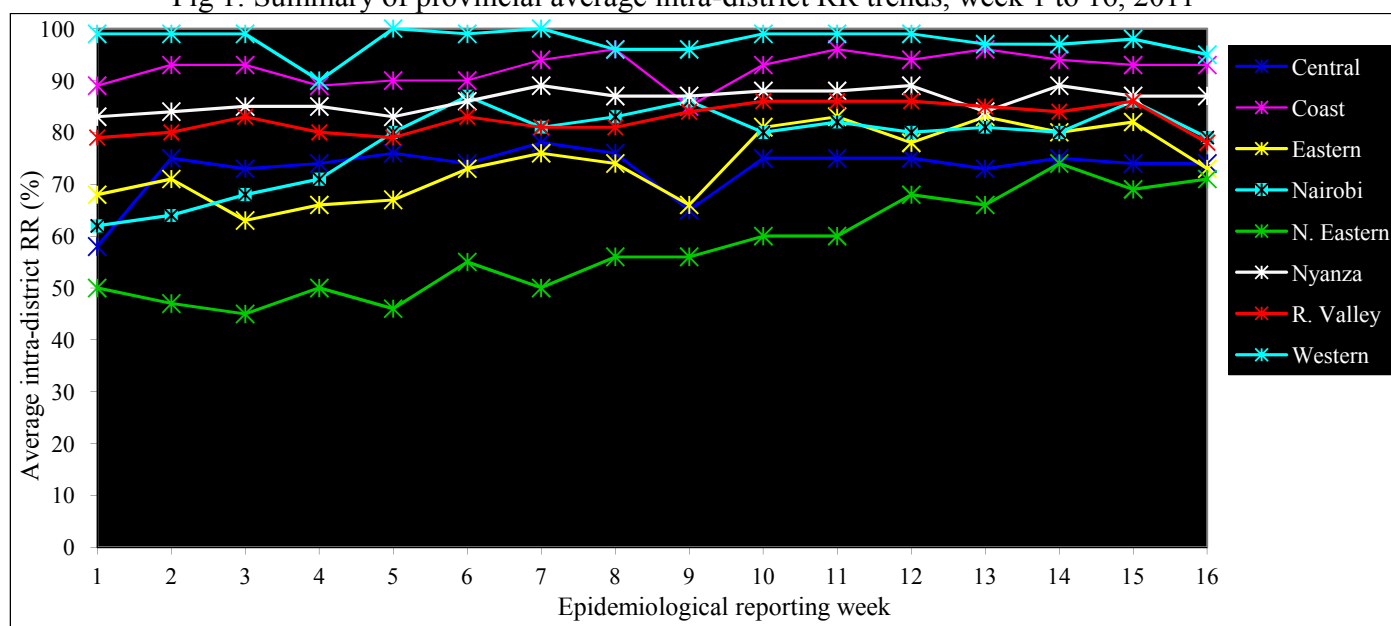
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	11	11	74	100	100	91
Coast	13	13	13	93	100	100	98
Eastern	28	26	26	73	93	100	87
Nairobi	3	3	3	79	100	100	93
N. Eastern	11	11	11	71	100	100	90
Nyanza	21	21	21	87	100	100	96
R. Valley	43	42	42	78	98	100	92
Western	19	19	19	95	100	100	98
National	149	146	146	80	98	100	92

✚ Eight new cases of measles confirmed in week 16 from Lagdera (3), Garissa (2), Kajiado (1), Turkana C (1) and Wajir W (1) districts

✚ Total confirmed measles cases in the country now 106 by week 16

✚ Measles vaccination campaign conducted in 23 districts 2nd-13th May 2011

Fig 1: Summary of provincial average intra-district RR trends, week 1 to 16, 2011



Reports not received from the following 3 districts

Kibwezi, Moyale and Nakuru

Fig. 2: Confirmed measles cases, week 1 to 16, 2011

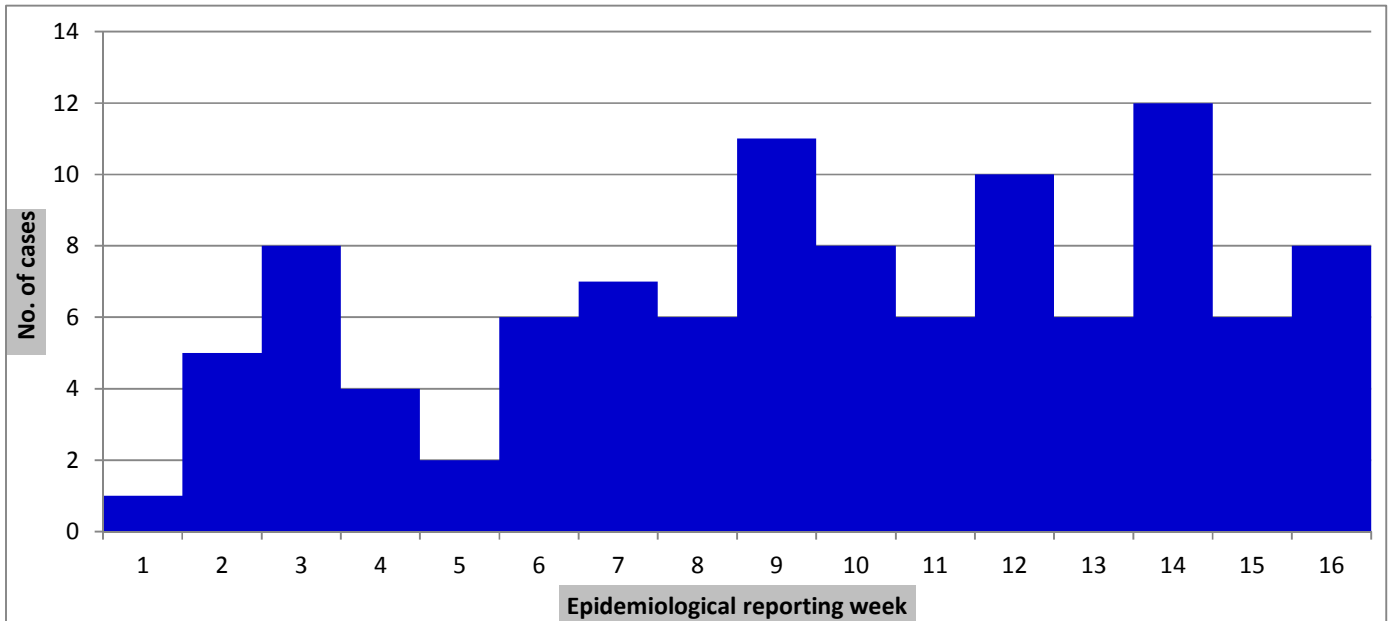


Fig. 3: Confirmed measles cases by reporting district, week 1 to 16, 2011

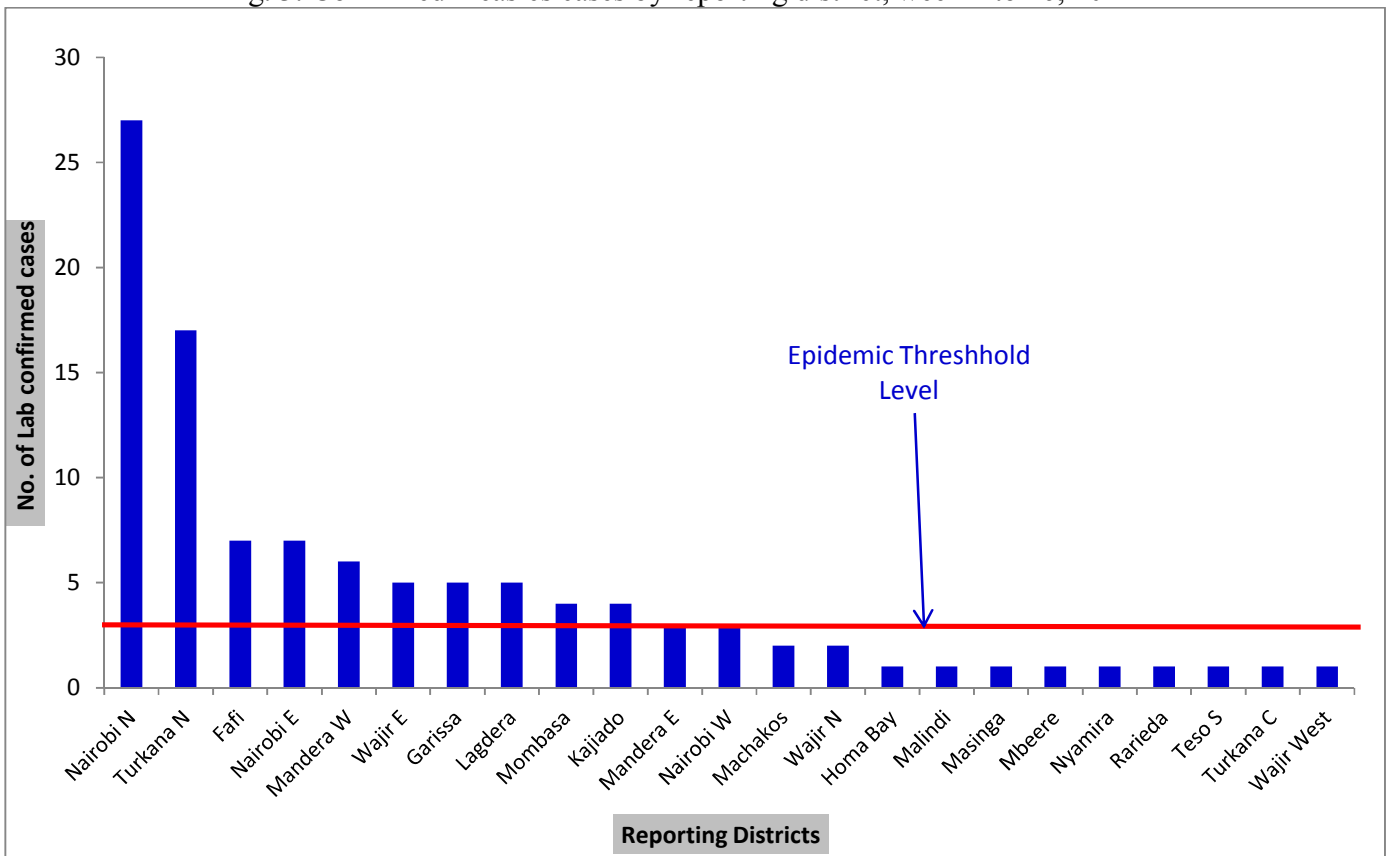
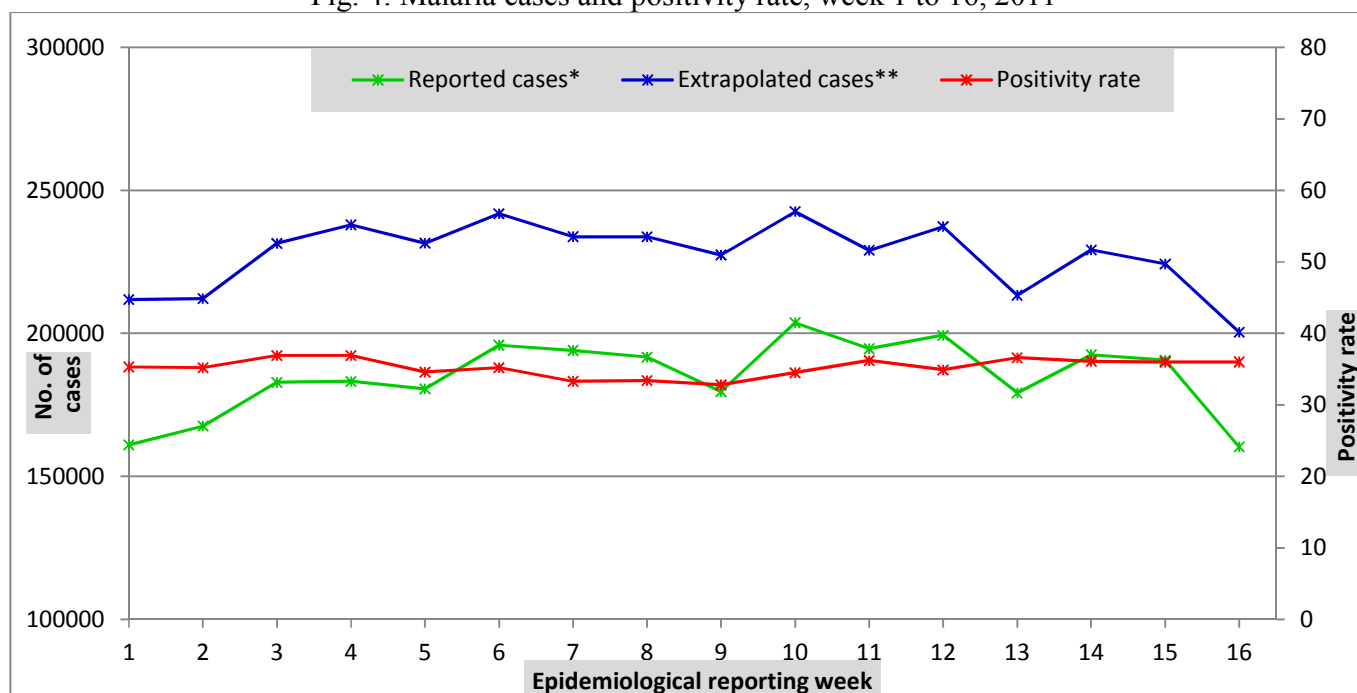


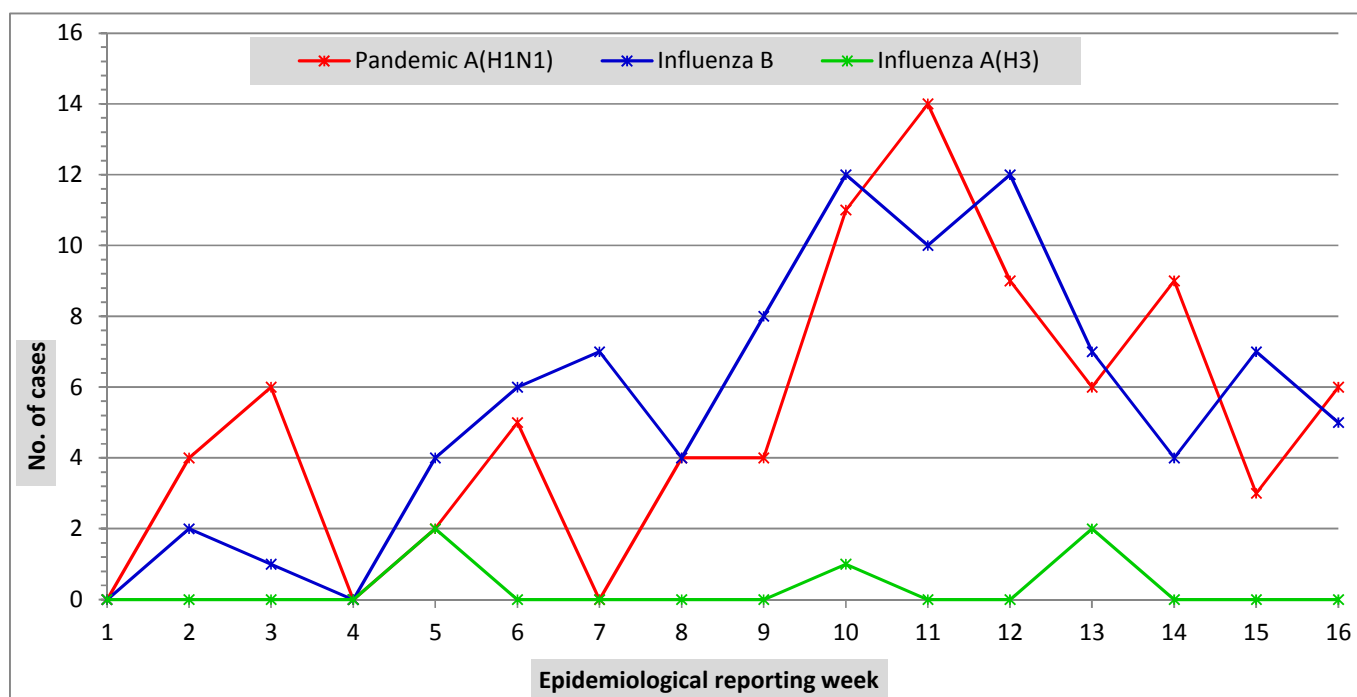
Fig. 4: Malaria cases and positivity rate, week 1 to 16, 2011



* 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 16, 2011



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

Highlights for the week

<ul style="list-style-type: none"> ⊕ Nationally: <ul style="list-style-type: none"> ○ The surveillance weighted aggregate score declined from 95% in week 15 to 92% in week 16 ○ The number of districts that reported also declined from 149 (100%) to 146 (98%) ○ The intra-district average reporting rate declined markedly from 85% to 80% ⊕ Best performing provinces in week 16 of 2011: <ul style="list-style-type: none"> ○ District reporting rate: All districts in the country except Kibwezi, Moyale and Nakuru reported ○ Intra-district facility reporting rate: Western (95%) and Coast (93%) provinces had the highest reporting rate while only 71% of health facilities in North Eastern province and 73% of those in Eastern province reported ⊕ Most improved provinces in week 16 of 2011: <ul style="list-style-type: none"> ○ Intra-district facility RR: While only North Eastern (69% to 71%) improved, Eastern (82% to 73%), Rift Valley (86% to 78%) and Nairobi (86% to 79%) dropped the most in performance in the week ○ District reporting rate: Only Eastern (100% to 93%) and Rift Valley (100% to 98%) provinces declined in performance while the remaining six provinces maintained 100% district reporting rate ⊕ Thirty seven (25%) districts [a decline from thirty eight (26%) districts in week 15] attained 100% intra-district reporting rate 	<p>Cholera</p> <ul style="list-style-type: none"> ⊕ Zero cases were reported in the week <p>Measles</p> <ul style="list-style-type: none"> ⊕ 87 suspected cases (a decline from 175 in week 15) were reported from 19 districts, with no death ⊕ The cases were reported from the following districts: Mbooni (20), Wajir East (12), Mandera West (9), Rachuonyo (7), Mandera East (5), Kitui (4), Kakamega Central (4), Mt. Elgon (4), Maara (3), Kajiado (3), Mombasa (3), Kirinyaga (3), Garissa (2), Nyamira (2), Molo (2), Turkana Central (1), Eldoret West (1), Kilindini (1) and Samburu North (1) ⊕ The laboratory surveillance system investigated 43 case specimen from 23 districts <ul style="list-style-type: none"> ○ Eight (19%) specimen tested positive for measles IgM. The specimen were submitted from Lagdera (3), Garissa (2), Kajiado (1) Turkana Central (1) and Wajir West (1) districts ○ Twelve (28%) specimen tested positive for rubella <p>Dysentery</p> <ul style="list-style-type: none"> ⊕ Reported cases declined further from 1,101 in week 15 to 1,065 with no death <p>Typhoid fever</p> <ul style="list-style-type: none"> ⊕ Reported cases declined from 5,542 in week 15 to 5,042 in week 16 with no death <p>AFP</p> <ul style="list-style-type: none"> ⊕ Zero cases were reported in the week <p>Meningococcal Meningitis</p> <ul style="list-style-type: none"> ⊕ Two cases were reported in the week with no death ⊕ The cases were reported from Embu (1) and Nyandarua North (1) districts <p>NNT</p> <ul style="list-style-type: none"> ⊕ Zero cases were reported in the week
<p>Disease specific reports</p> <p>Malaria</p> <ul style="list-style-type: none"> ⊕ Reported cases dropped from 190,632 in week 15 to 160,330 in week 16 ⊕ Mortality also declined from 40 cases in week 15 to 16 cases in week 16 <ul style="list-style-type: none"> ○ The deaths were reported from: South Bungoma (3), Bomet (2), East Bungoma (2), Teso (2), Igembe (1), Imenti North (1), Kitui (1), Makueni (1), Nandi East (1), Narok North (1) and North Pokot (1) districts ⊕ Overall, 78,107 (49%) cases were laboratory tested, yielding a positivity rate of 36.0% 	<p>Influenza (Walter Reed Influenza Surveillance)</p> <ul style="list-style-type: none"> ⊕ Fifty five specimen were processed by the national influenza center <ul style="list-style-type: none"> ○ Six (11%) tested positive for pandemic influenza A (H1N1) virus ○ Five (9%) tested positive for influenza B virus ○ None tested positive for influenza A (H1), influenza A (H3) and influenza A (H5)

For comments please contact:

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Summary of Weekly Integrated Disease Surveillance and Response Report for week 16

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Central																
	Gatundu	42	90	0(0)	0(0)	278(0)	278	5	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu East	36	100	0(0)	0(0)	1010(0)	1369	235	0(0)	0(0)	185(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kiambu West	54	70	0(0)	0(0)	354(0)	607	115	0(0)	0(0)	71(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kirinyaga	89	63	0(0)	0(0)	2050(0)	1680	40	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Murang'a North	49	61	0(0)	0(0)	552(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Murang'a South	40	48	0(0)	0(0)	215(0)	245	21	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua North	30	67	0(0)	0(0)	245(0)	106	38	0(0)	1(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyandarua South	31	81	0(0)	0(0)	70(0)	58	6	0(0)	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri North	70	94	0(0)	0(0)	5(0)	171	5	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyeri South	54	54	0(0)	0(0)	154(0)	154	3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Thika	100	83	0(0)	0(0)	1535(0)	929	32	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Coast																
	Kaloleni	18	94	0(0)	46(0)	649(0)	333	79	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilifi	39	97	0(0)	50(0)	1277(0)	825	230	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kilindini	40	100	0(0)	9(0)	1582(0)	1454	607	1(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kinango	21	100	0(0)	41(0)	1801(0)	581	93	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwale	21	90	0(0)	30(0)	951(0)	619	91	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lamu	33	97	0(0)	0(0)	472(0)	243	28	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Malindi	47	91	0(0)	49(0)	1025(0)	665	98	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mombasa	35	77	0(0)	0(0)	798(0)	1416	209	3(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Msambweni	21	100	0(0)	7(0)	581(0)	169	53	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taita	46	87	0(0)	0(0)	661(0)	1199	174	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana Delta	16	94	0(0)	0(0)	567(0)	116	22	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tana River	21	90	0(0)	19(0)	563(0)	270	174	0(0)	0(0)	13(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Taveta	13	100	0(0)	0(0)	373(0)	451	73	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Eastern																
	Chalbi	11	64	0(0)	0(0)	64(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Embu	56	77	0(0)	9(0)	2272(0)	2062	861	0(0)	1(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Garbatula	14	86	0(0)	0(0)	330(0)	58	7	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Igembe	54	56	0(0)	0(0)	2303(1)	998	395	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti North	55	84	0(0)	0(0)	2001(1)	2570	934	0(0)	0(0)	107(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Imenti South	65	77	0(0)	0(0)	2314(0)	2525	1425	0(0)	0(0)	70(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Isiolo	25	68	0(0)	0(0)	651(0)	582	92	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kangundo	28	50	0(0)	0(0)	405(0)	38	4	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kibwezi	29	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kitui	80	96	0(0)	26(0)	3234(1)	1421	739	4(0)	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kyuso	27	67	0(0)	0(0)	486(0)	151	46	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laisamis	12	75	0(0)	27(0)	120(0)	24	15	0(0)	0(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Maara	29	100	0(0)	0(0)	971(0)	782	418	3(0)	0(0)	30(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Machakos	49	59	0(0)	0(0)	928(0)	934	388	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Makueni	43	86	0(0)	0(0)	1624(1)	604	129	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marsabit	12	100	0(0)	0(0)	271(0)	252	34	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbeere	32	94	0(0)	3(0)	1181(0)	426	164	0(0)	0(0)	50(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mbooni	24	88	0(0)	0(0)	908(0)	301	38	20(0)	0(0)	19(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru Central	22	64	0(0)	0(0)	651(0)	1143	639	0(0)	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Meru South	25	96	0(0)	0(0)	1460(0)	1104	586	0(0)	0(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Moyale	21	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mutomo	20	85	0(0)	0(0)	500(0)	32	6	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwala	32	84	0(0)	0(0)	907(0)	361	114	0(0)	0(0)	51(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mwingi	45	58	0(0)	10(0)	835(0)	0	0	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nzau	35	71	0(0)	0(0)	696(0)	152	53	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tharaka	20	60	0(0)	0(0)	565(0)	392	192	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tigania	28	61	0(0)	0(0)	1235(0)	230	113	0(0)	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Yatta	47	87	0(0)	4(0)	1729(0)	525	201	0(0)	0(0)	85(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nairobi																
	Nairobi East	57	89	0(0)	0(0)	624(0)	2027	472	0(0)	0(0)	172(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi North	81	72	0(0)	0(0)	1531(0)	538	202	0(0)	0(0)	492(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi West	71	80	0(0)	70(0)	713(0)	607	137	0(0)	0(0)	144(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
North Eastern																
	Fafi	11	91	0(0)	1(0)	54(0)	125	1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	23	52	0(0)	7(0)	388(0)	97	31	2(0)	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	10	40	0(0)	0(0)	201(0)	130	32	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	13	92	0(0)	6(0)	152(0)	61	1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	12	92	0(0)	0(0)	196(0)	28	3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	75	0(0)	0(0)	128(0)	24	3	5(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	8	88	0(0)	2(0)	128(0)	43	17	9(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	12	50	0(0)	0(0)	119(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	15	93	0(0)	0(0)	345(0)	157	68	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	6	83	0(0)	0(0)	63(0)	34	24	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	15	47	0(0)	0(0)	129(0)	20	3	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nyanza																
	Bondo	26	100	0(0)	72(0)	1432(0)	733	256	0(0)	0(0)	76(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	27	85	0(0)	0(0)	1561(0)	174	10	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Gucha	35	100	0(0)	0(0)	1859(0)	438	222	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	42	93	0(0)	0(0)	1546(0)	1191	339	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	44	86	0(0)	11(0)	2314(0)	874	57	0(0)	0(0)	149(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	100	0(0)	79(0)	721(0)	367	120	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	93	0(0)	6(0)	4422(0)	1449	636	0(0)	0(0)	32(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	22	86	0(0)	9(0)	1677(0)	699	355	0(0)	0(0)	26(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	16	63	0(0)	0(0)	580(0)	123	88	0(0)	0(0)	41(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	16	63	0(0)	0(0)	571(0)	97	82	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Manga	17	82	0(0)	0(0)	143(0)	130	23	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Masaba	32	100	0(0)	0(0)	1022(0)	373	41	0(0)	0(0)	122(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	52	100	0(0)	5(0)	2007(0)	674	349	0(0)	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	48	94	0(0)	0(0)	1218(0)	518	20	2(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyando	47	40	0(0)	30(0)	2063(0)	300	123	0(0)	0(0)	51(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rachuonyo	56	73	0(0)	0(0)	2154(0)	961	319	7(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarienda	22	100	0(0)	4(0)	1154(0)	785	282	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	40	100	0(0)	0(0)	2414(0)	921	481	0(0)	0(0)	63(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Siaya	72	86	0(0)	39(0)	5277(0)	1750	993	0(0)	0(0)	186(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Gucha	19	89	0(0)	0(0)	905(0)	238	23	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	42	100	0(0)	54(0)	1750(0)	158	44	0(0)	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Rift Valley																
	Baringo	50	86	0(0)	1(0)	751(0)	178	64	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	37	68	0(0)	0(0)	483(0)	59	32	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	42	93	0(0)	2(0)	1354(2)	519	54	0(0)	0(0)	50(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bureti	32	81	0(0)	0(0)	1083(0)	496	96	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	17	41	0(0)	8(0)	145(0)	0	0	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	37	97	0(0)	0(0)	1599(0)	558	133	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	93	0(0)	8(0)	1606(0)	627	280	1(0)	0(0)	65(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	63	60	0(0)	9(0)	1237(0)	290	103	3(0)	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	45	82	0(0)	0(0)	625(0)	231	30	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	87	0(0)	0(0)	1408(0)	628	24	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	38	71	0(0)	0(0)	758(0)	0	0	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Koibatek	34	91	0(0)	5(0)	664(0)	354	100	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	18	100	0(0)	0(0)	703(0)	250	119	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	86	0(0)	0(0)	163(0)	85	2	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	89	0(0)	0(0)	96(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia West	27	96	0(0)	0(0)	769(0)	0	0	0(0)	0(0)	43(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitokitok	23	61	0(0)	0(0)	393(0)	0	0	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	48	63	0(0)	16(0)	651(0)	167	88	0(0)	0(0)	87(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	91	0(0)	0(0)	520(0)	0	0	2(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	89	0(0)	3(0)	1482(0)	555	302	0(0)	0(0)	147(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru	45	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nakuru North	34	88	0(0)	0(0)	865(0)	239	89	0(0)	0(0)	50(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi Central	26	81	0(0)	0(0)	629(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi East	32	81	0(0)	18(0)	994(1)	327	58	0(0)	0(0)	4(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	24	83	0(0)	0(0)	991(0)	260	87	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	18	94	0(0)	0(0)	1343(0)	104	42	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	32	100	0(0)	0(0)	605(1)	271	68	0(0)	0(0)	62(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Narok South	30	63	0(0)	8(0)	251(0)	97	28	0(0)	0(0)	55(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Pokot	14	71	0(0)	2(0)	436(1)	324	53	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	20	95	0(0)	0(0)	473(0)	299	77	0(0)	0(0)	62(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	24	63	0(0)	10(0)	394(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	13	54	0(0)	3(0)	135(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	10	50	0(0)	6(0)	181(0)	0	0	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	30	97	0(0)	0(0)	1037(0)	321	36	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	100	0(0)	0(0)	547(0)	134	23	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	23	100	0(0)	0(0)	958(0)	720	286	0(0)	0(0)	106(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	24	100	0(0)	11(0)	1601(0)	607	157	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Transmara	48	71	0(0)	15(0)	1185(0)	109	15	0(0)	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	40	80	0(0)	13(0)	1411(0)	747	379	1(0)	0(0)	39(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	26	54	0(0)	10(0)	370(0)	648	82	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	22	73	0(0)	6(0)	532(0)	111	53	0(0)	0(0)	16(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	38	100	0(0)	0(0)	866(0)	512	189	0(0)	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	24	88	0(0)	0(0)	817(0)	344	144	0(0)	0(0)	110(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bunyala	7	100	0(0)	0(0)	257(0)	111	37	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	31	100	0(0)	46(0)	5040(0)	2328	1359	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	18	100	0(0)	4(0)	3146(0)	989	480	0(0)	0(0)	83(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Bungoma	13	100	0(0)	0(0)	1038(2)	904	347	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	22	45	0(0)	0(0)	582(0)	261	170	0(0)	0(0)	44(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	62	0(0)	0(0)	1224(0)	561	202	0(0)	0(0)	60(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central (Lurambi)	28	100	0(0)	0(0)	4102(0)	1998	829	4(0)	0(0)	190(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East (Shinyalu)	14	100	0(0)	5(0)	1538(0)	1040	373	0(0)	0(0)	52(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North (Malava)	19	100	0(0)	0(0)	1332(0)	632	476	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South (Ikolomani)	11	100	0(0)	0(0)	1364(0)	647	302	0(0)	0(0)	47(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	0(0)	42(0)	2048(0)	886	122	0(0)	0(0)	65(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	100	0(0)	29(0)	1250(0)	1120	440	4(0)	0(0)	55(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	100	0(0)	4(0)	2246(0)	1483	907	0(0)	0(0)	110(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	21	100	0(0)	16(0)	1636(0)	928	541	0(0)	0(0)	82(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Samia	10	100	0(0)	0(0)	1090(0)	86	52	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	22	100	0(0)	0(0)	4075(3)	1397	823	0(0)	0(0)	78(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	95	0(0)	0(0)	2693(2)	1188	502	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	20	100	0(0)	0(0)	3129(0)	1181	532	0(0)	0(0)	96(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	100	0(0)	40(0)	1459(0)	747	481	0(0)	0(0)	58(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 16 summary	0 (0)	1,065 (0)	160,330 (16)	78,107	28,149	87 (0)	2 (0)	5,042 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1 (0)	19,616 (1)	2,957,088 (434)	1,352,305	476,447	1016 (3)	26 (1)	91,654 (3)	2 (0)	13 (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