



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 10

Week ending 14th March 2010

Provincial & national surveillance indicators for week 10

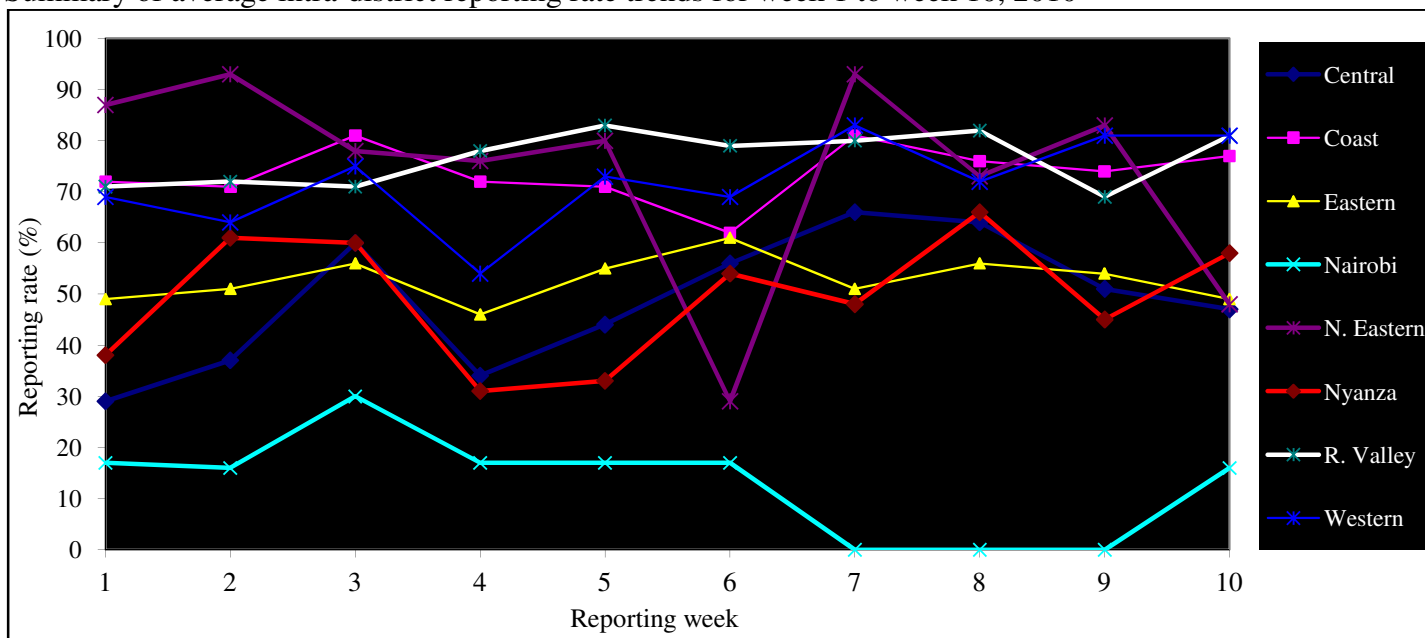
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	8	8	47	73	100	69
Coast	13	12	12	77	92	100	88
Eastern	28	22	22	49	79	100	73
Nairobi	3	1	1	16	33	100	39
N. Eastern	11	8	8	48	73	100	69
Nyanza	21	16	16	58	76	100	74
R. Valley	43	42	42	81	98	100	93
Western	19	19	19	81	100	100	94
National	149	128	128	62	81	100	78

✦ The national average district reporting rate declined marginally to 81%

✦ The national weighted aggregate score remained unchanged at 78%

✦ Congratulations to Nairobi Province for restarting

Summary of average intra-district reporting rate trends for week 1 to week 10, 2010



Reports not received from the following Districts

Gatundu, Muranga North, Thika, Kaloleni, Garbatula, Igembe, Laisamis, Makueni, Mwingi, Tigania, Nairobi East, Nairobi North, Garissa, Mandera East, Wajir East, Bondo, Borabu, Kuria West, Nyamira, Nyando, Loitokitok

<p>⊕ Nationally:</p> <ul style="list-style-type: none"> • The surveillance weighted aggregate score remained at 78% • The number of districts that submitted reports on time increased from 121 (81%) to 128 (86%) • The intra-district average reporting rate marginally improved from 61% in week 9 to 62% <p>⊕ Best performing provinces:</p> <ul style="list-style-type: none"> • Western Province retained the highest weighted score at 94% while Nairobi province had the lowest score at 39% • All districts in Western Province reported (100% reporting rate) closely followed by Rift Valley Province (98%) and Coast Province (92%) • Although beginning to report, Nairobi Province still had the lowest district reporting rate at 33% <p>⊕ Most improved provinces:</p> <ul style="list-style-type: none"> • Intra-district facility RR: Nairobi Province posted marked improvement from 0% reporting to 16% followed by Nyanza (45% to 58%) while North Eastern Province posted the highest decline from 83% to 48% • District reporting rate: Nairobi Province posted the highest improvement with 33% points (from 0% to 33%) while North Eastern Province had the biggest decline from 91% to 73% <p>⊕ Stability: Rift Valley Province showing the least fluctuations while North Eastern Province has fluctuated the most</p> <p>⊕ We recognize the 18 (12%) districts (same number as week 9) that had 100% intra-district reporting rate: Kilifi, Taita, Taveta, Maara, Meru South, Gucha, Kuria East, Manga, Rarieda, Bomet, Sotik, Trans-Nzoia West, Butere, East Bungoma, Kakamega East, Kakamega North, Lugari, Samia</p>	<p style="text-align: center;">Disease specific reports</p> <p><i>Cholera</i></p> <ul style="list-style-type: none"> ⊕ 155 cases and 5 deaths were reported in week 10 through the weekly IDSR system ⊕ 103 (66%) cases were reported from Tharaka District while the rest were from Msambweni District ⊕ All the deaths were reported from Msambweni District <p><i>Measles</i></p> <ul style="list-style-type: none"> ⊕ There was a rise in the number of reported suspected cases from 10 to 19 in week 10 with no death ⊕ Cases reported from Kirinyaga(4), Narok North (4), Laikipia East (3), Msambweni (2), Manga (2), Naivasha (2), North Pokot (1) and Taita (1) districts ⊕ The laboratory surveillance system investigated 26 case specimen during the week. None (0%) tested positive for measles IgM while 2 (7.7%) from Wajir South were finally classified as epidemiologically linked. The remaining 24 were finally classified as discarded <p><i>Malaria</i></p> <ul style="list-style-type: none"> ⊕ Reported cases rose from 151,542 to 168,500 though mortality reduced from 37 to 32 cases ⊕ Overall, 46,420 cases (28%) were laboratory tested, yielding a positivity rate of 40% <p><i>Dysentery</i></p> <ul style="list-style-type: none"> ⊕ There was a rise in the number of reported cases from 1,107 in week 9 to 1,120 with no death <p><i>Typhoid fever</i></p> <ul style="list-style-type: none"> ⊕ Reported cases increased from 3,245 to 3,703 ⊕ No deaths were reported <p><i>AFP</i></p> <ul style="list-style-type: none"> ⊕ Two cases were reported from Manga District and one from Nandi North District. All tested negative for polio virus <p><i>Meningococcal Meningitis</i></p> <ul style="list-style-type: none"> ⊕ Three cases were reported from Kisumu East District with no fatality
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Summary of Weekly Integrated Disease Surveillance and Response Report for week 10

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Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Nairobi																
	Nairobi East	51	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nairobi North	97	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nairobi West	71	49	0(0)	27(0)	671(0)	1112	435	0(0)	0(0)	90(0)	0(0)	0(0)	0(0)	0(0)	0(0)
North Eastern																
	Fafi	4	50	0(0)	0(0)	129(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	18	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Ijara	9	44	0(0)	0(0)	180(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lagdera	13	46	0(0)	0(0)	421(0)	197	46	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	9	56	0(0)	0(0)	226(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mandera West	8	88	0(0)	0(0)	894(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	8	50	0(0)	2(0)	175(0)	0	0	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	11	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Wajir North	8	38	0(0)	0(0)	198(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	9	56	0(0)	11(0)	220(0)	0	0	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyanza															
	Bondo	24	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Borabu	14	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Gucha	35	100	0(0)	0(0)	3600(0)	0	0	0(0)	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	20	65	0(0)	0(0)	1932(2)	520	243	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	33	94	0(0)	24(0)	3502(0)	0	0	0(0)	0(0)	62(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	11	82	0(0)	7(0)	573(0)	200	56	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	54	78	0(0)	2(0)	3840(0)	2593	1556	0(0)	3(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	17	94	0(0)	37(0)	1893(2)	0	0	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	13	100	0(0)	20(0)	854(0)	36	8	0(0)	0(0)	29(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria West	24	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Manga	17	100	0(0)	1(0)	703(0)	218	45	2(0)	0(0)	10(0)	0(0)	2(0)	0(0)	0(0)	0(0)
	Masaba	14	79	0(0)	4(0)	1245(0)	242	26	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	42	55	0(0)	12(0)	1973(0)	113	67	0(0)	0(0)	49(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyamira	45	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

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Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	(Malava)															
	Kakamega South (Ikolomani)	10	80	0(0)	0(0)	894(0)	304	168	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	0(0)	12(0)	3061(0)	0	0	0(0)	0(0)	71(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	94	0(0)	1(0)	948(0)	0	0	0(0)	0(0)	55(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	24	79	0(0)	3(0)	2181(1)	787	316	0(0)	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	11	64	0(0)	0(0)	866(0)	516	353	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	9	100	0(0)	12(0)	870(0)	98	49	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	24	92	0(0)	26(0)	2282(3)	865	299	0(0)	0(0)	64(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	70	0(0)	51(0)	2928(4)	287	124	0(0)	0(0)	89(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	21	81	0(0)	0(0)	2192(0)	979	514	0(0)	0(0)	267(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	75	0(0)	78(0)	2093(0)	1042	557	0(0)	0(0)	56(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
				155(5)	1120(0)	168500(32)	46420	18456	19(0)	3(0)	3703(0)	0(0)	3(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

Completeness (Intra-district): Proportion of health facilities reporting in a district/province

Timeliness: Proportion of district 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