



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 11

Week ending 21st March 2010

Provincial & national surveillance indicators for week 11

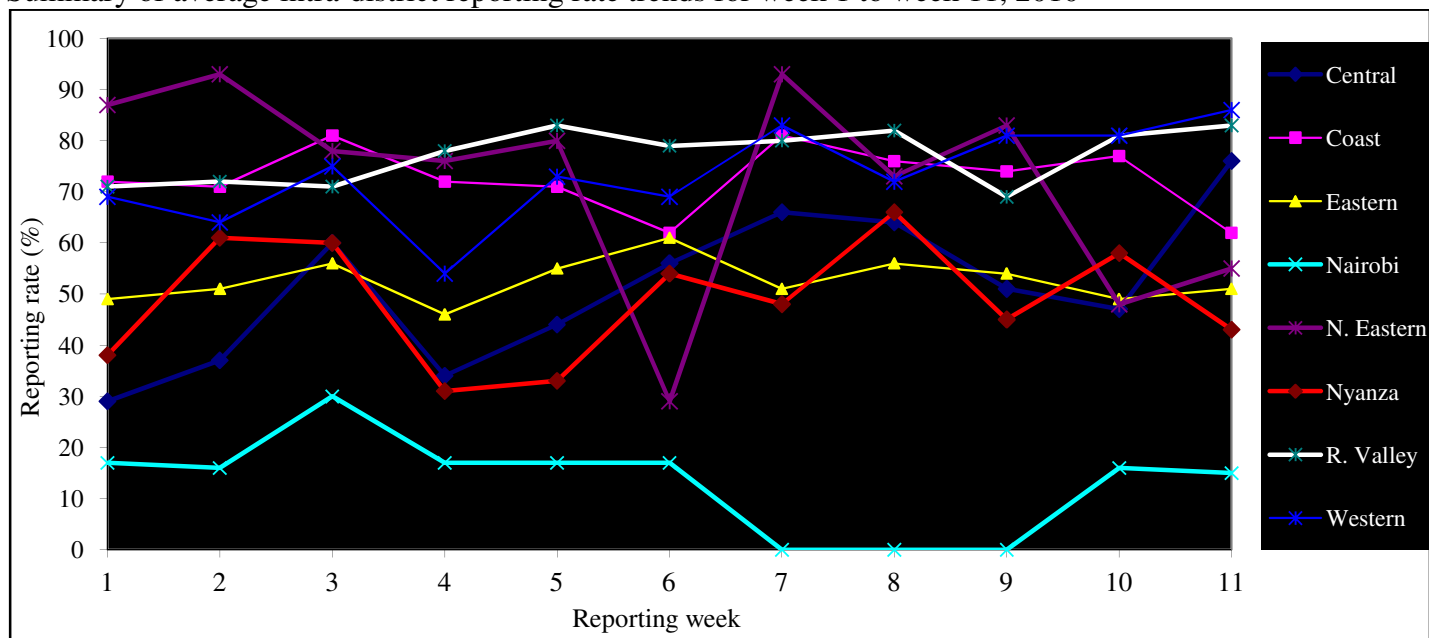
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	11	11	76	100	100	92
Coast	13	10	10	62	77	100	76
Eastern	28	23	23	51	82	100	75
Nairobi	3	1	1	15	33	100	38
N. Eastern	11	8	8	55	73	100	72
Nyanza	21	11	11	43	52	100	57
R. Valley	43	43	43	83	100	100	94
Western	19	19	19	86	100	100	95
National	149	126	126	64	85	100	81

✦ The national average district reporting rate declined marginally from 86% to 85%

✦ The national weighted aggregate score rose from 78% to 81%

✦ Congratulations to Central, Rift Valley and Western for attaining 100% district RR

Summary of average intra-district reporting rate trends for week 1 to week 11, 2010



Reports not received from the following Districts

Kinango, Msambweni, Taita, Imenti South, Machakos, Tharaka, Tigania, Yatta, Nairobi East, Nairobi North, Fafi, Mandera East, Wajir East, Borabu, Gucha, Kisumu East, Kuria East, Kuria West, Manga, Migori, Nyando, Rachuonyo, South Gucha

<p>✦ Nationally:</p> <ul style="list-style-type: none"> The surveillance weighted aggregate score improved from 78% to 81% The number of districts that submitted reports on time reduced from 128 (86%) to 126 (85%) The intra-district average reporting rate marginally improved from 62% in week 10 to 64% <p>✦ Best performing provinces:</p> <ul style="list-style-type: none"> Western Province retained the highest weighted score at 95% while Nairobi province still had the lowest score at 38% All districts in Central, Rift Valley and Western Provinces reported (100% district reporting rate) Nairobi Province still had the lowest district reporting rate at 33% Western (86%), Rift Valley (83%) and Central (76%) provinces had the highest intra-district facility reporting rates <p>✦ Most improved provinces:</p> <ul style="list-style-type: none"> Intra-district facility RR: Central Province posted the highest improvement from 47% to 76% followed by North Eastern (48% to 55%) while Coast Province (77% to 62%) and Nyanza Province (58% to 43%) posted the highest decline District reporting rate: Central Province posted the highest improvement with 27% points (from 73% to 100%) while Nyanza (76% to 52%) and Coast Provinces (92% to 77%) had the biggest decline <p>✦ Stability: Rift Valley Province has had the least fluctuations while North Eastern and Nyanza Provinces have fluctuated the most</p> <p>✦ We recognize the 15 (10%) districts (a decline from 18 districts in week 10) that attained 100% intra-district reporting: Kiambu East, Taveta, Maara, Meru South, Sotik, Trans-Nzoia West, Bunyala, Busia, Butere, East Bungoma, Hamisi, Kakamega North, Lugari, Samia and Teso</p>	<p style="text-align: center;">Disease specific reports</p> <p>Cholera</p> <ul style="list-style-type: none"> ✦ 14 cases with 0 deaths were reported in week 11, down from 155 cases and 0 deaths in week 10 ✦ All the cases were reported from districts in Coast Province: Kwale 8, Mombasa 5, Kilindini 1 ✦ Tharaka district which had an outbreak during this week did not submit a weekly report <p>Measles</p> <ul style="list-style-type: none"> ✦ There was a sustained rise in the number of reported suspected cases from 10 in week 9, to 19 in week 10 and now 32 in week 11 with no death still ✦ Cases reported from Loitokitok (7), Narok North (4), Laikipia East (4), Naivasha (4), Kirinyaga (3), Nyandarua South (2), Koibatek (2), Nakuru North (2), Nyandarua North (1), Mwingi (1), Wareng (1) and Kakamega Central (1) districts ✦ The laboratory surveillance system investigated 36 case specimen during the week. One (2.8%) from Fafi tested positive for measles IgM while 4 (11.1%) from Wajir South were finally classified as epidemiologically linked. 2 specimen from Igembe were classified as compatible (indeterminate) while the remaining 29 were finally classified as discarded <p>Malaria</p> <ul style="list-style-type: none"> ✦ Reported cases fell from 168,500 to 159,694 though mortality rose from 32 to 43 cases ✦ Overall, 47,279 cases (30%) were laboratory tested, yielding a positivity rate of 36% <p>Dysentery</p> <ul style="list-style-type: none"> ✦ There was a further rise in the number of reported cases from 1,120 in week 10 to 1,240 with no death <p>Typhoid fever</p> <ul style="list-style-type: none"> ✦ Reported cases reduced from 3,703 to 3,429 ✦ No deaths were reported <p>AFP</p> <ul style="list-style-type: none"> ✦ 5 cases (a rise from 2 in week 10) were reported ✦ One case from each of the following districts: Meru south, Mumias, South Bungoma and Teso ✦ All tested negative for polio virus <p>Meningococcal Meningitis</p> <ul style="list-style-type: none"> ✦ 3 cases were reported with 100% case fatality rate ✦ From Narok South (2) and Laikipia East (1) districts
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Summary of Weekly Integrated Disease Surveillance and Response Report for week 11

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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	61	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)	42(0)	588(0)	1063	365	0(0)	0(0)	77(0)	0(0)	0(0)	0(0)	0(0)	0(0)
North Eastern																
	Fafi	7	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Garissa	23	43	0(0)	0(0)	572(0)	413	285	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	9	44	0(0)	0(0)	460(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)	428(0)	115	30	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera Central	9	78	0(0)	0(0)	441(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	63	0(0)	0(0)	372(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)	0(0)	199(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	28	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Wajir North	8	50	0(0)	0(0)	219(0)	0	0	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	11	45	0(0)	0(0)	239(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Nyanza																
	Bondo	25	88	0(0)	56(0)	2344(2)	523	334	0(0)	0(0)	69(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Borabu	14	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Gucha	35	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Homa Bay	20	80	0(0)	0(0)	2016(1)	599	301	0(0)	0(0)	52(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii Central	42	76	0(0)	37(0)	3408(0)	1425	81	0(0)	0(0)	107(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisii South	16	69	0(0)	7(0)	780(0)	462	97	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu East	55	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kisumu West	17	94	0(0)	21(0)	1825(10)	0	0	0(0)	0(0)	38(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kuria East	12	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kuria West	24	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Manga	14	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Masaba	30	90	0(0)	2(0)	1495(0)	347	49	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Migori	42	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nyamira	45	98	0(0)	3(0)	1312(0)	458	37	0(0)	0(0)	50(0)	0(0)	0(0)	0(0)	0(0)	0(0)

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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
	(Ikolomani)															
	Lugari	24	100	0(0)	6(0)	2681(0)	0	0	0(0)	0(0)	48(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	94	0(0)	2(0)	1008(0)	0	0	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	92	0(0)	27(0)	2856(0)	727	314	0(0)	0(0)	21(0)	0(0)	1(0)	0(0)	0(0)	0(0)
	North Bungoma	11	36	0(0)	0(0)	315(0)	302	228	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	9	100	0(0)	8(0)	847(0)	95	39	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	24	96	0(0)	137(0)	2174(5)	837	296	0(0)	0(0)	31(0)	0(0)	1(0)	0(0)	0(0)	0(0)
	Teso	16	100	0(0)	45(0)	2737(0)	244	106	0(0)	0(0)	49(0)	0(0)	1(0)	0(0)	0(0)	0(0)
	Vihiga	21	71	0(0)	0(0)	2369(0)	1273	699	0(0)	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	90	0(0)	91(0)	2350(0)	1098	684	0(0)	0(0)	81(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
				14(0)	1240(0)	159694(43)	47279	17206	32(0)	3(3)	3429(0)	0(0)	5(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