



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 13

Week ending 4th April 2010

Provincial & national surveillance indicators for week 13

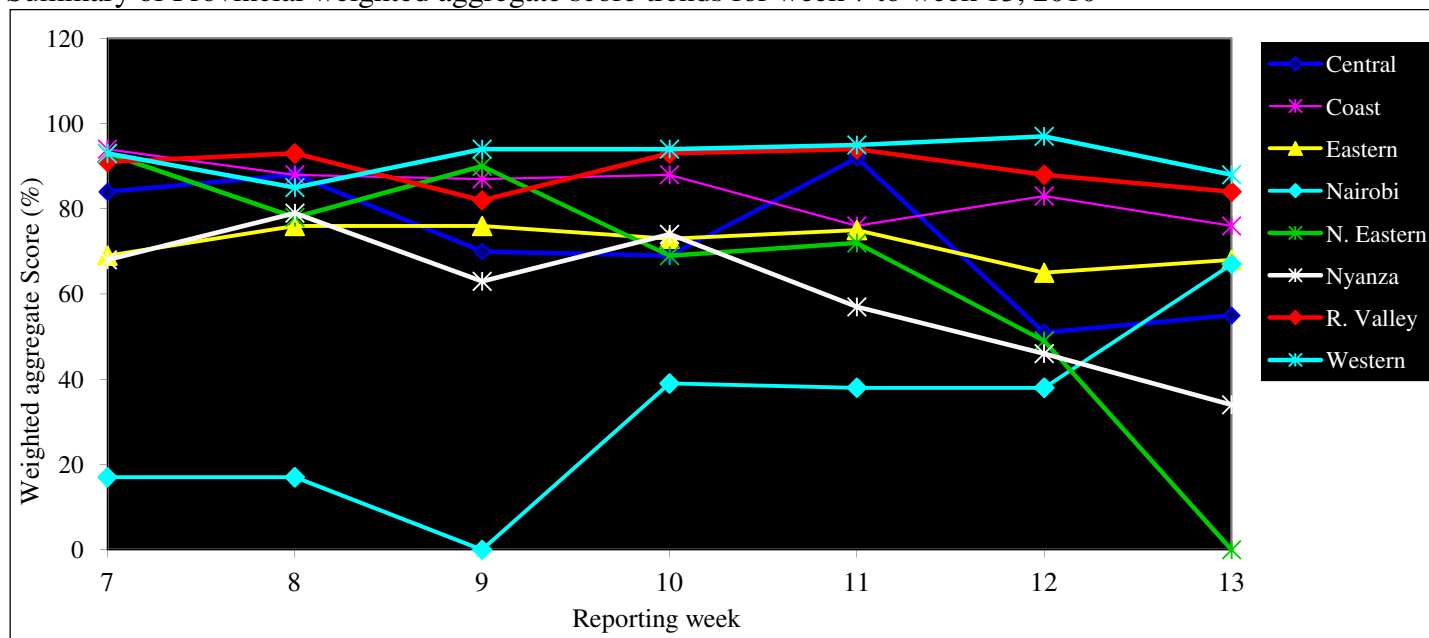
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	6	6	33	55	100	55
Coast	13	10	10	61	77	100	76
Eastern	28	20	20	47	71	100	68
Nairobi	3	2	2	51	67	100	67
N. Eastern	11	0	0	0	0	0	0
Nyanza	21	5	5	17	24	100	34
R. Valley	43	39	39	64	91	100	84
Western	19	17	17	81	89	100	88
National	149	99	99	48	66	100	66

✦ The national average district reporting rate declined further from 73% to 66%

✦ The national weighted aggregate score declined from 71% to 66%

✦ Performance in most Provinces declined this week

Summary of Provincial weighted aggregate score trends for week 7 to week 13, 2010



Reports not received from the following Districts

Gatundu, Kiambu East, Murang'a North, Nyandarua South, Thika, Kwale, Malindi, Tana River, Garbatula, Igembe, Isiolo, Kibwezi, Laisamis, Marsabit, Moyale, Tharaka, Nairobi East, Fafi, Garissa, Ijara, Lagdera, Mandera Central, Mandera East, Mandera West, Wajir West, Wajir East, Wajir North, Wajir South, Bondo, Borabu, Homa Bay, Kisii Central, Kisii South, Kisumu West, Kuria East, Kuria West, Manga, Masaba, Migori, Nyamira, Nyando, Rachuonyo, Siaya, Suba, Baringo North, Kipkelion, Nakuru, Nakuru North, Butere, Kakamega North (Malava)

<p>⊕ Nationally:</p> <ul style="list-style-type: none"> This week was characterized by a further drop in performance by most provinces just like week 12 The surveillance weighted aggregate score declined markedly from 71% to 66% The number of districts that submitted reports on time reduced from 109 (73%) to 99 (66%) The intra-district average reporting rate fell from 52% in week 12 to 48% in week 13 <p>⊕ Best performing provinces:</p> <ul style="list-style-type: none"> Western Province retained the highest weighted score at 88% (a fall from 97%) while North Eastern province had the lowest score at 0% Rift Valley Province had the highest district reporting rate (91%) followed by Western (89%) North Eastern Province had the lowest (0%) reporting rate as none of the 11 districts reported Western (89%), Rift Valley (64%) and Central (61%) provinces had the highest intra-district facility reporting rates <p>⊕ Most improved provinces:</p> <ul style="list-style-type: none"> Intra-district facility RR: Nairobi (15% to 51%) and Eastern (43% to 47%) are the only provinces that improved in performance while North Eastern (29% to 0%) and Nyanza (32% to 17%) declined the most District reporting rate: Nairobi (33% to 67%) and Central (45% to 55%) improved the most while North Eastern (45% to 0%) and Nyanza (38% to 24%) Provinces declined the most <p>⊕ Stability: Rift Valley and Western Provinces have had the least fluctuations while North Eastern and Nyanza Provinces have fluctuated the most</p> <p>⊕ We recognize the 11 (7%) districts (down from 19 districts in week) that attained 100% intra-district reporting: Kilindini, Taveta, Gucha, Bureti, Laikipia North, Trans-Nzoia West, East Bungoma, Kakamega East, Lugari, Mt. Elgon and Samia</p>	<p style="text-align: center;">Disease specific reports</p> <p><i>Cholera</i></p> <ul style="list-style-type: none"> ⊕ 88 cases (a fall from 103 in week 12) with 1 death were reported in week 13 ⊕ Msambweni District reported 74 cases (84%) while Kilindini (12), Nairobi North (1) and Turkana South (1) reported the rest. The Turkana South case died ⊕ Tharaka district which had an outbreak during this week did not submit its weekly report <p><i>Measles</i></p> <ul style="list-style-type: none"> ⊕ Eleven (down from 17 in week 12) suspected cases reported with no death ⊕ Cases reported from Rongo (3), Laikipia East (2), West Pokot (2), Kirinyaga (1), Laikipia North (1), Loitokitok (1) and Narok (1) districts ⊕ The laboratory surveillance system investigated 19 case specimen (up from 15 in week 12). Four (21%) specimen (3 from Garissa and 1 from Lagdera districts) tested positive for measles IgM while 14 (74%) from 7 other districts were finally classified as discarded. Results for 1 specimen were indeterminate <p><i>Malaria</i></p> <ul style="list-style-type: none"> ⊕ Reported cases fell from 121,636 in week 12 to 110,994 in week 13 ⊕ Mortality also fell from 39 cases to 18 cases ⊕ Overall, 35,039 cases (32%) were laboratory tested, yielding a positivity rate of 40% <p><i>Dysentery</i></p> <ul style="list-style-type: none"> ⊕ There was a decline in the number of reported cases from 829 in week 12 to 808 in week 13 with 1 death <p><i>Typhoid fever</i></p> <ul style="list-style-type: none"> ⊕ Reported cases reduced from 2,794 to 2,671 in week 13 with 1 death reported in West Pokot District <p><i>AFP</i></p> <ul style="list-style-type: none"> ⊕ There was no reported case in the week <p><i>Meningococcal Meningitis</i></p> <ul style="list-style-type: none"> ⊕ 8 cases (up from 1 in week 12) were reported from Laikipia East (6) and Kisumu East (2) ⊕ No death reported
---	--

For comments please contact:

**Head,
Division of Disease Surveillance and Response
Ministry of Health
P.O. Box 20781 - 00202
Tel. 2718292
Fax: 0202720533
Email: dcdc@health.go.ke; or idsr@health.go.ke
Web site: <http://www.health.go.ke>**

Editorial: Dr. C. Nzioka, Dr. M. Ope, Dr. D. Langat, Dr P. Muthoka, Dr. O. Shikanga, C. Njuguna, J. Njau, J. Njoroge, E. Kathini, A. Muange, H. Limo, R. Kalani, P. Njiru, D. Mwangi, Z. Irura

Summary of Weekly Integrated Disease Surveillance and Response Report for week 13

[illegible]

[illegible]

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Nandi East	32	75	0(0)	43(1)	890(2)	442	63	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	20	80	0(0)	0(0)	651(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	16	75	0(0)	11(0)	812(0)	66	27	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	29	48	0(0)	2(0)	476(0)	233	77	1(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	67	0(0)	15(0)	534(0)	74	26	0(0)	0(0)	20(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Pokot	12	83	0(0)	4(0)	515(0)	180	36	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	18	94	0(0)	0(0)	816(0)	263	116	0(0)	0(0)	46(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	12	58	0(0)	0(0)	350(0)	0	0	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	15	40	0(0)	0(0)	217(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu North	7	43	0(0)	0(0)	203(0)	0	0	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	29	97	0(0)	0(0)	925(0)	168	12	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	80	0(0)	4(0)	261(0)	232	30	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	20	90	0(0)	0(0)	731(0)	418	212	0(0)	0(0)	72(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	22	100	0(0)	12(0)	1536(0)	659	163	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Transmara	37	51	0(0)	0(0)	596(0)	37	8	0(0)	0(0)	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	32	53	0(0)	0(0)	1217(0)	625	318	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	21	81	0(0)	8(0)	759(0)	720	220	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	21	38	1(1)	27(0)	546(0)	21	16	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	37	95	0(0)	0(0)	852(0)	584	196	0(0)	0(0)	28(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	26	50	0(0)	5(0)	1202(3)	445	85	2(0)	0(0)	113(1)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bunyala	7	86	0(0)	0(0)	1176(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	27	96	0(0)	23(0)	2408(0)	0	0	0(0)	0(0)	165(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Butere	16	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	East Bungoma	11	100	0(0)	0(0)	2105(3)	1201	620	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	19	84	0(0)	DNR	1036(0)	0	0	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	92	0(0)	0(0)	1120(0)	257	153	0(0)	0(0)	58(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central (Lurambi)	29	97	0(0)	2(0)	3282(0)	1394	586	0(0)	0(0)	98(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East (Shinyalu)	12	100	0(0)	0(0)	1066(0)	482	80	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North	7	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

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	90	0(0)	1(0)	834(0)	109	57	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	0(0)	10(0)	1869(0)	0	0	0(0)	0(0)	44(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	100	0(0)	14(0)	1027(0)	0	0	0(0)	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	77	0(0)	30(0)	2265(0)	942	355	0(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	11	45	0(0)	0(0)	510(0)	268	146	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	9	100	0(0)	13(0)	851(0)	114	49	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	22	91	0(0)	0(0)	1983(1)	555	233	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	60	0(0)	44(0)	2332(0)	161	69	0(0)	0(0)	34(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	21	76	0(0)	0(0)	2155(0)	718	403	0(0)	0(0)	144(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	85	0(0)	0(0)	2337(0)	1156	604	0(0)	0(0)	42(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
				88(1)	808(1)	110994(18)	35039	14026	11(0)	8(0)	2671(1)	0(0)	0(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