



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 14

Week ending 11th April 2010

Provincial & national surveillance indicators for week 14

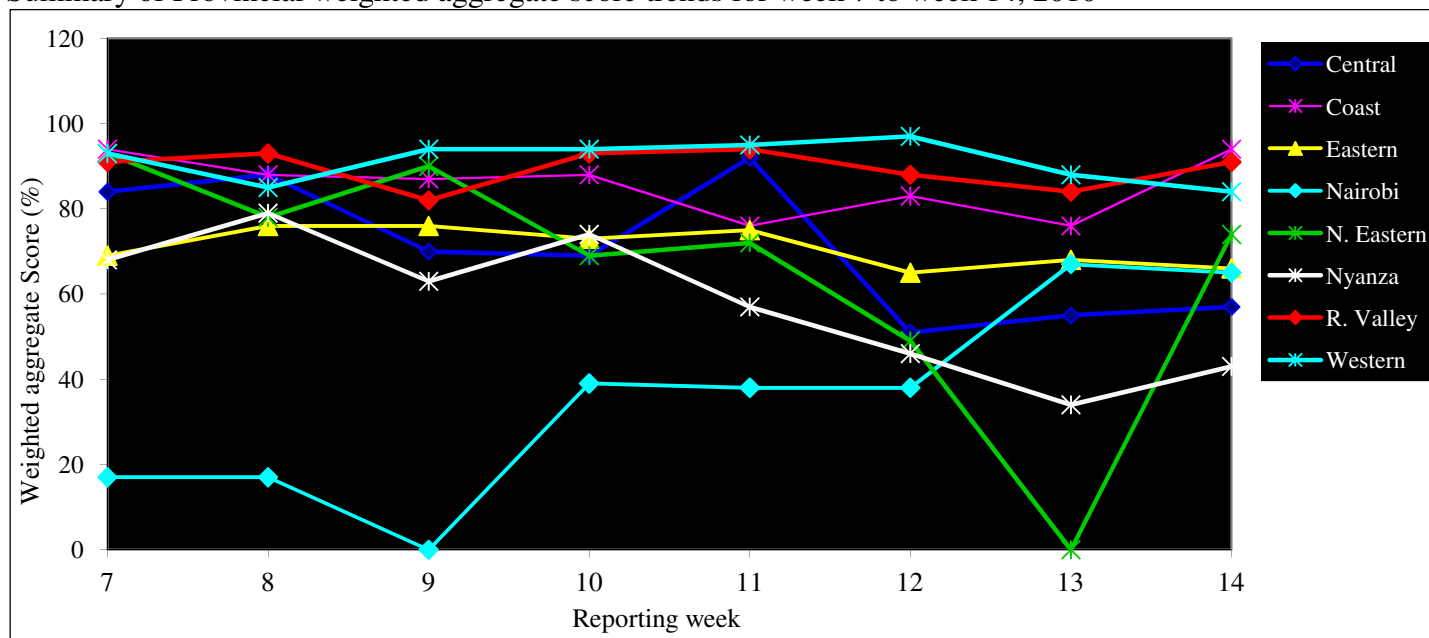
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	6	6	39	55	100	57
Coast	13	13	13	81	100	100	94
Eastern	28	20	20	40	71	100	66
Nairobi	3	2	2	43	67	100	65
N. Eastern	11	9	9	50	82	100	74
Nyanza	21	7	7	30	33	100	43
R. Valley	43	43	43	74	100	100	91
Western	19	16	16	76	84	100	84
National	149	116	116	54	78	100	74

✦ The national average district reporting rate rose from 66% to 78%

✦ The national weighted aggregate score rose from 66% to 74%

✦ North Eastern Province improved reporting from 0% in week 13 to 82%

Summary of Provincial weighted aggregate score trends for week 7 to week 14, 2010



Reports not received from the following 32 Districts

Gatundu, Kiambu East, Murang'a North, Nyandarua South, Thika, Chalbi, Imenti South, Kangundo, Kibwezi, Kyuso, Maara, Moyale, Tharaka, Nairobi East, Ijara, Lagdera, Bondo, Borabu, Homa Bay, Kisii Central, Kisii South, Kuria East, Kuria West, Manga, Migori, Nyamira, Nyando, Rongo, Siaya, Suba, Bunyala, Busia, Butere

	Disease specific reports
<p>⊕ Nationally:</p> <ul style="list-style-type: none"> • Week 14 was characterized by improved overall performance by most provinces • The surveillance weighted aggregate score improved from 66% to 74% • The number of districts that submitted reports on time rose from 99 (66%) to 116 (78%) • The intra-district average reporting rate improved from 48% in week 13 to 54% in week 14 <p>⊕ Best performing provinces:</p> <ul style="list-style-type: none"> • Coast (94%) and Rift Valley (91%) Provinces had the highest weighted aggregate score while Nyanza Province had the lowest score at 43% • Coast and Rift Valley Provinces attained 100% district reporting rate while Nyanza Province had the lowest reporting rate at 33% • Coast (81%) and Western (76%) Provinces had the highest intra-district facility reporting rates while Nyanza (30%) and Central (39%) had the lowest intra-district reporting rates <p>⊕ Most improved provinces:</p> <ul style="list-style-type: none"> • Intra-district facility RR: North Eastern (0% to 50%) and Coast (61% to 81%) provinces improved the most while Nairobi (51% to 43%) and Eastern (47% to 40%) declined the most • District reporting rate: North Eastern (0% to 82%) and Coast (77% to 100%) improved the most while only Western (89% to 84%) Province declined in performance <p>⊕ Stability: Rift Valley, Western and Eastern Provinces are the most consistent while North Eastern, Nairobi and Nyanza Provinces have fluctuated the most</p> <p>⊕ We recognize the 16 (11%) districts (up from 11 (7%) districts in week 13) that attained 100% intra-district reporting: Taveta, Meru South, Gucha, Rarienda, Bomet, Sotik, Trans Nzoia West, East Bungoma, Emuhaya, Kakamega Central (Lurambi), Kakamega East (Shinyalu), Kakamega North (Malava), Kakamega South (Ikolomani), Lugari, Samia, South Bungoma</p>	<p>Cholera</p> <ul style="list-style-type: none"> ⊕ 76 cases (a fall from 88 in week 13) with 4 deaths were reported in week 14 ⊕ Msambweni District reported 67 cases (88%) while South District reported the remaining 9 cases ⊕ All the 4 deaths occurred in Msambweni District ⊕ Tharaka district which had an outbreak during this week did not submit its weekly report <p>Measles</p> <ul style="list-style-type: none"> ⊕ Fourteen (up from 11 in week 13) suspected cases reported with no death ⊕ Cases reported from Laikipia North (3), Kirinyaga (2), Nyandarua North (2), Baringo (2), Narok North (2), Loitokitok (1), West Pokot (1) and Kakamega North (1) ⊕ The laboratory surveillance system investigated 22 case specimen (up from 19 in week 13). Three (14%) specimen (2 from Wajir South and 1 from Kiambu East districts) tested positive for measles IgM while 12 (55%) from 10 other districts were finally classified as discarded. Results for 7 specimen had not been established yet <p>Malaria</p> <ul style="list-style-type: none"> ⊕ Reported cases rose from 110,994 in week 13 to 124,178 ⊕ Mortality also rose from 18 cases to 42 cases ⊕ Overall, 38,052 cases (31%) were laboratory tested, yielding a positivity rate of 40% <p>Dysentery</p> <ul style="list-style-type: none"> ⊕ There was a rise in the number of reported cases from 808 in week 13 to 953 with no reported death <p>Typhoid fever</p> <ul style="list-style-type: none"> ⊕ Reported cases increased from 2,671 in week 13 to 3,050 with no reported death <p>AFP</p> <ul style="list-style-type: none"> ⊕ There was no reported case in the week <p>Meningococcal Meningitis</p> <ul style="list-style-type: none"> ⊕ 5 cases (down from 8 in week 13) were reported from Kisumu East District ⊕ 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>**

<p>Editorial: Dr. C. Nzioka, Dr. D. Mutonga, 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</p>
--

Summary of Weekly Integrated Disease Surveillance and Response Report for week 14

[illegible]

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	81	70	0(0)	0(0)	511(0)	0	0	0(0)	0(0)	76(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nairobi West	71	49	0(0)	38(0)	619(0)	998	428	0(0)	0(0)	71(0)	0(0)	0(0)	0(0)	0(0)	0(0)
North Eastern																
	Fafi	9	75	0(0)	0(0)	112(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Garissa	18	43	0(0)	27(0)	659(0)	0	0	0(0)	0(0)	27(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Ijara	6	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Lagdera	10	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Mandera Central	11	62	0(0)	2(0)	244(0)	0	0	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera East	8	75	0(0)	0(0)	238(0)	0	0	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mandera West	5	75	0(0)	0(0)	245(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir West	11	50	0(0)	0(0)	171(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir East	18	62	0(0)	0(0)	269(0)	0	0	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir North	8	50	0(0)	0(0)	146(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wajir South	9	55	0(0)	0(0)	199(0)	0	0	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nyanza															
	Bondo	23	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)	15(0)	2666(0)	0	0	0(0)	0(0)	69(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Homa Bay	40	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kisii Central	42	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kisii South	11	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Kisumu East	55	81	0(0)	4(0)	4869(0)	2271	1321	0(0)	5(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kisumu West	17	72	0(0)	13(0)	1416(2)	0	0	0(0)	0(0)	4(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	93	0(0)	0(0)	1394(0)	368	36	0(0)	0(0)	48(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

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	Nyamira	45	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nyando	30	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Rachuonyo	50	79	0(0)	3(0)	1712(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rarienda	18	100	0(0)	4(0)	1905(0)	709	427	0(0)	0(0)	45(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Rongo	32	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Siaya	70	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	South Gucha	14	87	0(0)	0(0)	655(0)	202	69	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Suba	23	0	DNR	DNR	DNR	0	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Rift Valley																
	Baringo	50	66	0(0)	0(0)	752(0)	0	0	2(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Baringo North	33	58	0(0)	0(0)	437(0)	0	0	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bomet	38	100	0(0)	5(0)	1310(0)	269	57	0(0)	0(0)	61(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Bureti	32	91	0(0)	0(0)	1994(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Pokot	9	33	0(0)	0(0)	451(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret East	35	86	0(0)	0(0)	1434(0)	391	163	0(0)	0(0)	57(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Eldoret West	40	57	0(0)	0(0)	989(0)	302	76	0(0)	0(0)	52(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kajiado	35	51	0(0)	8(0)	1191(2)	92	20	0(0)	0(0)	36(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Keiyo	36	86	0(0)	0(0)	709(2)	129	34	0(0)	0(0)	35(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kericho	30	90	0(0)	0(0)	1042(0)	200	42	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kipkelion	38	53	0(0)	0(0)	539(0)	0	0	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Koibatek	31	84	0(0)	1(0)	842(0)	395	76	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kwanza	17	82	0(0)	0(0)	3338(0)	409	202	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia East	14	86	0(0)	1(0)	203(0)	0	0	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia North	9	89	0(0)	2(0)	147(0)	0	0	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Laikipia West	25	88	0(0)	0(0)	931(0)	0	0	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Loitoktok	23	52	0(0)	108(0)	495(0)	0	0	1(0)	0(0)	151(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Marakwet	54	63	0(0)	22(0)	697(0)	292	194	0(0)	0(0)	57(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Molo	34	53	0(0)	5(0)	595(0)	0	0	0(0)	0(0)	31(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Naivasha	35	91	0(0)	17(0)	1374(0)	310	157	0(0)	0(0)	158(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru	45	91	0(0)	0(0)	751(3)	816	67	0(0)	0(0)	69(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nakuru North	29	97	0(0)	0(0)	1290(0)	0	0	0(0)	0(0)	45(0)	0(0)	0(0)	0(0)	0(0)	0(0)

[illegible]

Province	District	Reports Expected	% RR	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
	(Shinyalu)															
	Kakamega North (Malava)	10	100	0(0)	0(0)	1209(0)	456	169	1(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega South (Ikolomani)	24	100	0(0)	0(0)	1225(0)	95	47	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	16	100	0(0)	9(0)	2301(0)	0	0	0(0)	0(0)	64(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	26	94	0(0)	7(0)	420(0)	420	222	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	11	58	0(0)	19(0)	2555(0)	1009	445	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	9	73	0(0)	0(0)	997(0)	594	425	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	22	100	0(0)	7(0)	794(0)	90	32	0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	20	100	0(0)	13(0)	2073(8)	977	453	0(0)	0(0)	78(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	21	85	0(0)	36(0)	2943(4)	280	74	0(0)	0(0)	46(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	20	76	0(0)	0(0)	1914(0)	783	591	0(0)	0(0)	150(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	7	75	0(0)	104(0)	1854(0)	955	684	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
				76(4)	953(0)	124178(42)	38052	15224	14(0)	5(0)	3050(0)	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