



**Republic of Kenya**  
**Ministry of Public Health and Sanitation**

**WEEKLY EPIDEMIOLOGICAL BULLETIN**

**Week 18**

**Week ending 9<sup>th</sup> May 2010**

Provincial & national surveillance indicators for week 18

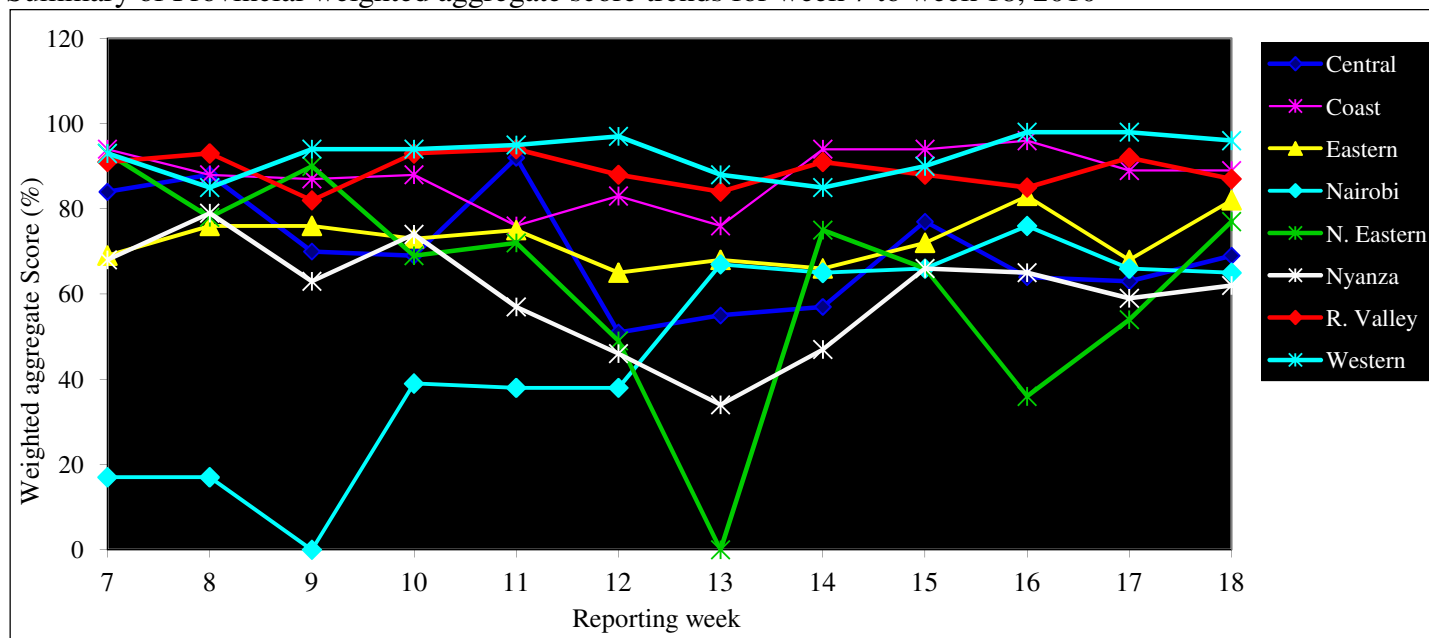
Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	8	8	47	73	100	69
Coast	13	12	12	78	92	100	89
Eastern	28	25	25	63	89	100	82
Nairobi	3	2	2	46	67	100	65
N. Eastern	11	10	10	43	91	100	77
Nyanza	21	12	12	52	57	100	62
R. Valley	43	40	40	73	93	100	87
Western	19	19	19	87	100	100	96
<b>National</b>	<b>149</b>	<b>128</b>	<b>128</b>	<b>64</b>	<b>86</b>	<b>100</b>	<b>81</b>

✦ The national average district reporting rate rose to 86%

✦ The national weighted aggregate score also rose to 81%

✦ Congratulations to **Western Province** for consistency in posting 100% district reporting rate

Summary of Provincial weighted aggregate score trends for week 7 to week 18, 2010



**Reports not received from the following 21 Districts**

Kiambu East, Murang'a North, Nyeri South, Kwale, Isiolo, Marsabit, Meru Central, Nairobi East, Wajir East, Bondo, Borabu, Kuria East, Kuria West, Manga, Masaba, Migori, Nyamira, Siaya, Baringo North, Laikipia East, Nakuru North

<p>⊕ Nationally:</p> <ul style="list-style-type: none"> <li>The surveillance weighted aggregate score improved from 77% to 81%</li> <li>The number of districts that submitted reports on time also increased from 121 (81%) to 128 (86%)</li> <li>The intra-district average reporting rate increased from 59% in week 17 to 64%</li> </ul> <p>⊕ Best performing provinces:</p> <ul style="list-style-type: none"> <li>Western (96%) and Coast (89%) Provinces had the highest weighted aggregate score while Nyanza (62%) and Nairobi (65%) Provinces had the lowest score</li> <li>Only Western posted 100% district reporting rate while Nyanza had the lowest rate at 57% (same as for week 17)</li> <li>Western (87%) Province had the highest intra-district facility reporting rate while North Eastern (43%) and Nairobi (46%) had the lowest rates</li> </ul> <p>⊕ Most improved provinces:</p> <ul style="list-style-type: none"> <li>Intra-district facility RR: Eastern (47% to 63%) and North Eastern (29% to 43%) improved the most while Western (94% to 87%) declined the most</li> <li>District reporting rate: North Eastern (55% to 91%) and Eastern (71% to 89%) improved the most while Rift Valley (100% to 93%) declined the most</li> </ul> <p>⊕ Stability: Western and Rift Valley Provinces are the most consistent while North Eastern and Nyanza have fluctuated the most</p> <p>⊕ We recognize the 23 (15%) districts [up from 21 (14%) districts in week 17] that attained 100% intra-district reporting: Kilindini, Taita, Taveta, Mbeere, Meru South, Gucha, Kisii South, South Gucha, Eldoret East, Laikipia North, Pokot Central, Sotik, Trans Nzoia East, Trans Nzoia West, Busia, Butere, East Bungoma, Emuhaya, Kakamega East (Shinyalu), Kakamega North (Malava), Kakamega South (Ikolomani), Lugari, South Bungoma</p>	<p><b>Disease specific reports</b></p> <p><b>Cholera</b></p> <ul style="list-style-type: none"> <li>93 cases (a fall from 285 in week 17) were reported in week 18 with 7 death</li> <li>40 (43%) cases and 4 (57%) deaths were reported from West Pokot District</li> <li>The other deaths reported from Pokot Central (2) and Turkana South (1)</li> <li>The other cases reported from Pokot Central (17), Tharaka (15), Turkana South (9), Msambweni (4), Marakwet (4), Samia (3) and Narok South (1)</li> </ul> <p><b>Measles</b></p> <ul style="list-style-type: none"> <li>Three suspected cases (down from 6 in week 17) reported with no death</li> <li>Cases reported from Kirinyaga (1), Nyandarua South (1) and Narok North (1)</li> <li>The laboratory surveillance system investigated 8 case specimen from 7 districts</li> <li>Seven (88%) tested negative for measles IgM and were therefore classified as discarded while the results for the remaining 1 specimen were pending</li> </ul> <p><b>Malaria</b></p> <ul style="list-style-type: none"> <li>Reported cases rose from 141,463 in week 17 to 167,298</li> <li>Mortality conversely fell from 45 cases to 38</li> <li>Overall, 61,147 cases (37%) were laboratory tested, yielding a positivity rate of 37% (down from 43%)</li> </ul> <p><b>Dysentery</b></p> <ul style="list-style-type: none"> <li>The number of reported cases marginally rose from 1,487 to 1,558 with 1 death from Tana Delta</li> </ul> <p><b>Typhoid fever</b></p> <ul style="list-style-type: none"> <li>Reported cases remained at 4,220 with no death reported</li> </ul> <p><b>AFP</b></p> <ul style="list-style-type: none"> <li>There were 3 cases reported from Busia (2) and Nyeri North (1)</li> </ul> <p><b>Meningococcal Meningitis</b></p> <ul style="list-style-type: none"> <li>There was no reported case</li> </ul>
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## Summary of Weekly Integrated Disease Surveillance and Response Report for week 18

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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
	Nandi East	32	94	0(0)	22(0)	975(4)	366	80	0(0)	0(0)	15(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi North	20	75	0(0)	0(0)	621(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Nandi South	16	81	0(0)	0(0)	1115(0)	594	50	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok North	29	69	0(0)	0(0)	517(1)	242	40	1(0)	0(0)	24(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Narok South	30	60	1(0)	20(0)	349(0)	61	4	0(0)	0(0)	18(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Pokot	12	67	0(0)	7(0)	533(0)	190	46	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Pokot Central	18	100	17(2)	0(0)	933(0)	253	121	0(0)	0(0)	46(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu	12	25	0(0)	12(0)	143(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samburu East	15	33	0(0)	0(0)	252(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)	163(0)	0	0	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Sotik	29	100	0(0)	0(0)	1278(0)	180	11	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Tinderet	10	80	0(0)	4(0)	245(0)	195	23	0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia East	20	100	0(0)	0(0)	922(0)	676	317	0(0)	0(0)	114(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Trans Nzoia West	22	100	0(0)	14(0)	1467(1)	739	168	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Transmara	39	69	0(0)	14(0)	782(0)	155	11	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana Central	32	56	0(0)	8(0)	1342(1)	518	311	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana North	21	76	0(0)	31(0)	651(0)	910	282	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Turkana South	21	62	9(1)	22(0)	772(0)	88	50	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Wareng	37	97	0(0)	0(0)	1122(0)	602	210	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Pokot	26	81	40(4)	27(0)	1456(0)	561	129	0(0)	0(0)	79(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Western																
	Bunyala	7	86	0(0)	0(0)	810(0)	0	0	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Busia	27	100	0(0)	80(0)	5021(0)	1738	919	0(0)	0(0)	226(0)	0(0)	2(0)	0(0)	0(0)	0(0)
	Butere	16	100	0(0)	60(0)	3580(1)	658	234	0(0)	0(0)	67(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	East Bungoma	11	100	0(0)	0(0)	2239(6)	1470	606	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Emuhaya	22	100	0(0)	5(0)	2037(0)	0	0	0(0)	0(0)	59(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Hamisi	13	77	0(0)	2(0)	1043(1)	282	155	0(0)	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega Central (Lurambi)	29	97	0(0)	1(0)	4819(1)	1609	712	0(0)	0(0)	40(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega East (Shinyalu)	12	100	0(0)	0(0)	1600(0)	591	103	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Kakamega North	16	100	0(0)	0(0)	1409(0)	555	296	0(0)	0(0)	64(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
	(Malava)															
	Kakamega South (Ikolomani)	9	100	0(0)	DNR	910(0)	103	48	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Lugari	24	100	0(0)	9(0)	2688(0)	0	0	0(0)	0(0)	103(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mt Elgon	16	44	0(0)	9(0)	1065(0)	269	131	0(0)	0(0)	33(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Mumias	26	85	0(0)	32()	3827(0)	1365	1015	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	North Bungoma	11	64	0(0)	0(0)	828(0)	301	220	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Samia	19	47	3(0)	7(0)	758(0)	72	33	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	South Bungoma	22	100	0(0)	42(0)	8196(4)	3804	2690	0(0)	0(0)	180(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Teso	20	70	0(0)	9(0)	2485(2)	431	202	0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	Vihiga	21	95	0(0)	0(0)	3074(0)	1156	677	0(0)	0(0)	162(0)	0(0)	0(0)	0(0)	0(0)	0(0)
	West Bungoma	20	70	0(0)	74(0)	1691(0)	999	643	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
Weeks summary	285(3)	1487(4)	141463(45)	46649	19841	6(0)	0(0)	4220(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Years cumulative summary	1,412 (23)	20,785 (11)	2,705,729 (695)	407,681	160,215	249 (0)	48 (14)	60,068 (7)	0 (0)	20 (0)	0 (0)	0 (0)	0 (0)

\* From week 10 of 2010 (Excludes week 1 up to week 9)

## 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