

# Republic of Kenya Ministry of Public Health and Sanitation

# WEEKLY EPIDEMIOLOGICAL BULLETIN

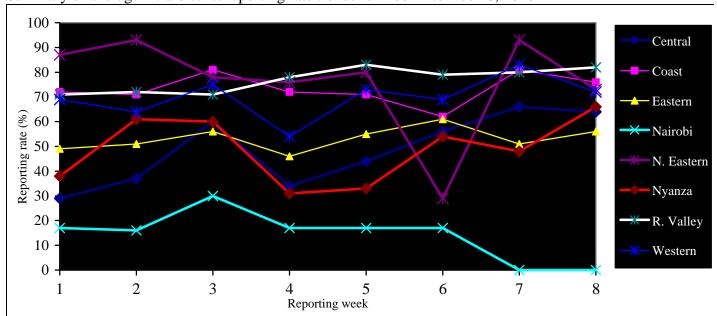
Week 8

Week ending 28<sup>th</sup> February 2010

Provincial & national surveillance indicators for week 8

Province	No. of Districts	Reporti ng on time	Complete reports	Intra-district facility RR (%)	Timel iness (%)	Completeness of reports (%)	Weighted aggregate score (%)	The National average district
Central	11	11	11	64	100	100	88	reporting rate
Coast	13	12	12	76	92	100	88	87%
Eastern	28	23	23	56	82	100	76	⊕Rift Valley
Nairobi	3	0	0	0	0	100	17	Province had the highest weighted
N. Eastern	11	8	8	73	73	100	78	aggregate score,
Nyanza	21	17	17	66	81	100	79	dislodging Coast
R. Valley	43	42	42	82	98	100	93	No reports received from
Western	19	17	17	72	89	100	85	Nairobi Province
National	149	130	130	61	87	100	81 G	again

Summary of average intra-district reporting rate trends for week 1 to week 8, 2010



# Reports not received from the following Districts

Tana Delta, Garbatula, Kangundo, Kibwezi, Laisamis, Tigania, Nairobi East, Nairobi North, Nairobi West, Ijara, Mandera East, Wajir West, Bondo, Gucha, Rachuonyo, Siaya, Nakuru North, Busia, Kakamega East

PDF created with pdfFactory Pro trial version www.pdffactory.com

## • Nationally:

- The surveillance weighted aggregate score improved marginally from 80% to 81%
- The number of districts that submitted reports on time increased from 128 (86%) to 130 (87%)
- The intra-district average reporting rate remained at 61%

## Best performing provinces:

- Rift Valley Province had the highest weighted score at 93% even though this was lower than 94% posted by Coast Province in the preceding week
- Central Province had the highest district reporting rate at 100% followed by Rift Valley at 98% and Coast at 92%
- Nairobi Province with only 3 districts had a 0% district reporting rate

### Most improved provinces:

- Intra-district facility RR: Nyanza Province improved the most from 48% to 66%, followed by Eastern Province (51% to 56%)
- Eastern (71% to 82%), Nyanza 71% to 81%) and Central had the most improved district reporting rate while North Eastern, Western and Coast had declining trends. Compare this week with week 7 for shifting trends both ways.
- The number of Districts from which reports were not received reduced from 21 in week 7 to 19
- Nineteen (13%) districts had 100% intra-district reporting rate: Taveta, Mutomo, Kisii Central, Kisii South, Manga, Rarieda, Suba, Laikipia North, Sotik, Trans-Nzoia East, Trans-Nzoia West, Bunyala, Butere, Hamisi, Kakamega North, Kakamega South, Lugari, Samia, Bungoma South

# Disease specific reports

#### Cholera

- There was an increase in the number of reported cholera cases from 23 in week 7 to 34 with zero reported mortality
- Eighteen (53%) cases were reported from Mombasa
  District
- The rest of the cases were reported from Msambweni (6), Tharaka (4), Loitoktok (3), Pokot Central (2) and Kajiado (1) districts

#### Measles

- Thirteen suspected cases were investigated.
- Reporting districts: Nakuru (3), Naivasha (2), South Bungoma (2), Laikipia (1), Molo (1), Eldoret West (1), Narok South (1), Turkana South (1) and West Pokot (1)
- All the cases tested negative for measles IgM and were therefore discarded

#### Malaria

- Reported cases increased by 7,933 to 1176,064
- The reported deaths also increased from 51 to 60

### Dysentery

- There was an increase in the number of reported cases from 1,120 to 1306 in week 8
- No death was reported

## Typhoid fever

- The number of reported cases increased from 3,576 to 3,800
- No deaths were reported

#### AFP

One case of AFP was reported from Kinango
 District. It however tested negative for polio virus

## Other diseases

No cases of meningitis, NNT and VHF were reported in the week

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, H. Limo, R. Kalani, P. Njiru, D. Mwangi, Z. Irura

# Detailed report on diseases reported by Districts during week 8

	<b>5.</b>	Reports	%	a								Ī.,	0.1
Province	Districts	Expected		Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Others
Central		•											
	Gatundu					526(0)	0(0)	0(0)	14(0)				DNR
	Kiambu East						0(0)		310(0)			` '	DNR
	Kiambu West	54	67	0(0)	0(0)	965(0)	0(0)	0(0)	68(0)	0(0)	0(0)	0(0)	DNR
	Kirinyaga	87	67	0(0)	0(0)	1879(0)	0(0)	0(0)	17(0)			0(0)	DNR
	Murang'a North	41	34	0(0)	0(0)	772(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Murang'a South	40	40	0(0)	0(0)	824(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Nyandarua North	30	87	0(0)	12(0)	1228(0)	0(0)	0(0)	418(0)	0(0)	0(0)	0(0)	DNR
	Nyandarua South	22	95	0(0)	0(0)	266(0)	0(0)	0(0)	32(0)	0(0)	0(0)	0(0)	DNR
	Nyeri North	70	70	0(0)	0(0)	748(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Nyeri South	52	40	0(0)	0(0)	349(0)	0(0)		0(0)		0(0)	0(0)	DNR
	Thika	100	56	0(0)	0(0)	1126(0)	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	DNR
Coast													
	Kaloleni		89			2160(0)	0(0)		5(0)		0(0)		DNR
						2473(0)	0(0)		0(0)				DNR
	Kilindini		98		0(0)	1713(0)	0(0)		9(0)				DNR
	•		80				0(0)		0(0)				DNR
	Kwale		80				0(0)		0(0)				DNR
	Lamu		73			863(0)	0(0)	0(0)	0(0)				DNR
			64				0(0)		0(0)				DNR
			44			219(0)	0(0)		0(0)				DNR
							0(0)	0(0)	0(0)				DNR
					0(0)		0(0)		0(0)				DNR
	Tana Delta		0			DNR	DNR		DNR				DNR
						460(0)	0(0)		46(0)				DNR
_	Taveta	10	100	0(0)	9(0)	791(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
Eastern				- (-)	= (=)	10 (0)	2 (2)	2 (2)	- (-)	- (-\	2 (2)	2 (2)	
	Chalbi					40(0)	0(0)						DNR
	Embu						0(0)		87(0)				DNR
	Garbatula		0			DNR	DNR		DNR			DNR	
							0(0)		0(0)				DNR
												0(0)	
							0(0)			0(0)			DNR
						850(0)	0(0)		0(0)				DNR
						DNR	DNR		DNR			DNR	
						DNR	DNR		DNR			DNR	
						4287(5)	0(0)		5(0)				DNR
					0(0)		0(0)		0(0)				DNR
	Laisamis					DNR	DNR		DNR			DNR	
						1745(1)	0(0)		0(0)				DNR
						463(0)	0(0)		6(0)				DNR
							0(0)		0(0)				DNR
						98(0)	0(0)		0(0)				DNR
				0(0)			0(0)		0(0)				DNR
	Mbooni					664(0)	0(0)		0(0)				DNR
						803(0)	0(0)						DNR
							0(0)						DNR
	•					439(0)	0(0)						DNR
	Mutomo	16	100	U(U)	0(0)	1049(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR

			0.										
Province		Reports Expected	1		Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT		Others
	Mwala	33		0(0)	3(0)	1230(0)	0(0)	0(0)	31(0)	0(0)	0(0)		DNR
	Mwingi	45	65	0(0)	26(0)	2139(0)	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	DNR
	Nzaui	43	30	0(0)	0(0)	1219(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Tharaka	17	6	4(0)	8(0)	436(0)	0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	DNR
	Tigania	28	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
		43		0(0)	1(0)	1800(0)	0(0)	0(0)	21(0)	0(0)	0(0)	0(0)	DNR
Nairobi						, ,			,				
	Nairobi East	61	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nairobi North	97	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	Nairobi West	71	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
North													
Eastern													
	Fafi	4	50	0(0)	5(0)	130(0)	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	DNR
					0(0)	2360(0)	0(0)	0(0)	148(0)	0(0)	0(0)	0(0)	DNR
	ljara	9	0		DNR	DNR	DNR	DNR	DNR	DNR	DNR		DNR
			31		0(0)	314(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Mandera Central		73		0(0)	259(0)	0(0)	0(0)	4(0)	0(0)	0(0)		DNR
	Mandera East	8	73 0		DNR	DNR	DNR	DNR	DNR	DNR	DNR		DNR
		8			0(0)	277(0)	0(0)	0(0)	8(0)		0(0)		DNR
		o 11			DNR	DNR	DNR	DNR	DNR	0(0)	DNR		DNR
			0							DNR			
	Wajir East			0(0)	18(0)	370(0)	0(0)	0(0)	28(0)	0(0)	0(0)		DNR
	Wajir North			0(0)	1(0)	163(0)	0(0)	0(0)	3(0)	0(0)	0(0)	0(0)	DNR
	Wajir South	10	60	0(0)	2(0)	220(0)	0(0)	0(0)	7(0)	0(0)	0(0)	0(0)	DNR
Nyanza	D 1	0.4	0	DNID	DND	DND	DND	DAID	DND	DNID	DAID	DNID	DND
			0		DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	
	Borabu			0(0)	0(0)	234(0)	0(0)	0(0)	1(0)	0(0)	0(0)	0(0)	DNR
	Gucha	14	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	•			0(0)		2707(10)		0(0)	20(0)	0(0)	0(0)	0(0)	DNR
		42			28(0)		0(0)	0(0)	89(0)	0(0)	0(0)	0(0)	DNR
	Kisii South	11	100	0(0)	8(0)	582(0)	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	DNR
	Kisumu East	54	78	0(0)	11(0)	4186(0)	0(0)	0(0)	33(0)	0(0)	0(0)	0(0)	DNR
	Kisumu West	17	71	0(0)	52(0)	17976)	0(0)	0(0)	36(0)	0(0)	0(0)	0(0)	DNR
	Kuria East	13	77	0(0)	11(0)	485(0)	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	DNR
	Kuria West	24	33	0(0)	13(0)	971(0)	0(0)		2(0)	0(0)	0(0)		DNR
		17			0(0)	704(0)	0(0)		5(0)	0(0)	0(0)		DNR
	•				0(0)		0(0)	0(0)	10(0)	0(0)	0(0)		DNR
				0(0)	11(0)		0(0)	0(0)	78(0)	0(0)	0(0)		DNR
				0(0)	17(0)		0(0)	0(0)	23(0)	0(0)	0(0)		DNR
	•	42					0(0)	0(0)	16(0)	0(0)	0(0)		DNR
	Rachuonyo	0	0		DNR	DNR	DNR	DNR	DNR	DNR	DNR		DNR
		18		0(0)	18(0)		0(0)	0(0)	82(0)	0(0)	0(0)		DNR
	•	32			13(0)		0(0)	0(0)	66(0)	0(0)	0(0)		DNR
	•	70			DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	
		34		0(0)	7(0)	633(0)	0(0)	0(0)	0(0)	0(0)	0(0)		DNR
	Suba	40	100	0(0)	76(0)	3912(0)	0(0)	0(0)	55(0)	0(0)	0(0)	0(0)	DNR
Rift Valley	Dowless -	F0	70	0(0)	1(0)	(72(0)	0(0)	0(0)	F(0)	0/0	0(0)	0/0	DND
		50		0(0)		673(0)	0(0)		5(0)	0(0)	0(0)		DNR
				0(0)	18(0)	862(0)	0(0)	0(0)	16(0)	0(0)	0(0)		DNR
				0(0)	3(0)	1557(0)	0(0)	0(0)	0(0)	0(0)	0(0)		DNR
				0(0)	0(0)	1863(0)	0(0)	0(0)	0(0)	0(0)	0(0)		DNR
	East Pokot			0(0)	0(0)	476(0)	0(0)	0(0)	0(0)	0(0)	0(0)		DNR
	Eldoret East	35		0(0)	0(0)	1440(0)	0(0)	0(0)	0(0)	0(0)	0(0)		DNR
				0(0)	3(0)		1(0)	0(0)	82(0)	0(0)	0(0)		DNR

		Donarta	%										
Province		Reports Expected	RR		Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT		Others
							0(0)	0(0)	25(0)	0(0)	0(0)	0(0)	DNR
	•						0(0)	0(0)	46(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	· · · · · ·						0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	29(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	•					309(1)	1(0)	0(0)	11(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	11(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
							0(0)	0(0)	46(0)	0(0)	0(0)	0(0)	DNR
						411(1)	1(0)	0(0)	12(0)	0(0)	0(0)	0(0)	DNR
							2(0)	0(0)	115(0)	0(0)	0(0)	0(0)	DNR
					0(0)		3(0)	0(0)	63(0)	0(0)	0(0)	0(0)	DNR
						DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
					1 1		0(0)	0(0)		0(0)	0(0)	0(0)	DNR DNR
				0(0)	38(0)		0(0)	0(0)	9(0)	0(0)	0(0)	0(0)	
					1 1		0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
					7 7	764(0)	0(0)	0(0)	3(0) 22(0)	0(0) 0(0)	0(0) 0(0)	0(0)	DNR DNR
					1 1	663(1) 785(0)	1(0)	0(0)			0(0)	0(0) 0(0)	DNR
							0(0)	0(0)	77(0)	0(0)			DNR
				0(0)			0(0)	0(0)	44(0) 41(0)	0(0)	0(0) 0(0)	0(0)	DNR
				2(0)			0(0)	0(0)	41(0)	0(0)		0(0)	DNR
							0(0)	0(0)	17(0)	0(0)	0(0) 0(0)	0(0) 0(0)	DNR
					1 1		0(0)	0(0)	0(0)	0(0)			DNR
					7 7		0(0)	0(0)	21(0) 0(0)	0(0)	0(0) 0(0)	0(0) 0(0)	DNR
					0(0) 4(0)		0(0)	0(0) 0(0)	15(0)	0(0) 0(0)	0(0)	0(0)	DNR
	Trans Nzoia East						0(0) 0(0)	0(0)	35(0)	0(0)	0(0)	0(0)	DNR
	Trans Nzoia East	20	100	0(0)	0(0)	010(0)	0(0)	0(0)	33(0)	0(0)		0(0)	DINK
1	West	22		0(0)			0(0)	0(0)	5(0)	0(0)	0(0)	0(0)	DNR
					, ,		0(0)	0(0)	13(0)	0(0)	0(0)	0(0)	DNR
				0(0)			0(0)	0(0)	14(0)	0(0)	0(0)		DNR
			47						0(0)		0(0)		DNR
							1(0)	0(0)	0(0)		0(0)		DNR
							0(0)	0(0)					DNR
	West Pokot	26	92	0(0)	19(0)	1608(4)	1(0)	0(0)	99(0)	0(0)	0(0)	0(0)	DNR
Western													
	,	7	100				0(0)	0(0)	0(0)		0(0)		DNR
		26				DNR	DNR		DNR			DNR	
			100				0(0)	0(0)	51(0)	0(0)	0(0)		DNR
	•				0(0)	1836(13)		0(0)	0(0)		0(0)		DNR
							0(0)	0(0)	0(0)	0(0)	0(0)		DNR
		13	100	0(0)	9(0)	1000(0)	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	DNR
	Kakamega												
	Central (Lurambi)	29	93	0(0)	2(0)	3857(0)	0(0)	0(0)	62(0)	0(0)	0(0)	0(0)	DNR
	Kakamega East	10	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
	(Shinvalu)				,			_ , ,					
	Kakamega North (Malava)		100	0(0)	0(0)	2724(0)	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	DNR
	Kakamega South	10	100	0(0)	0(0)	2316(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	(Ikolomani)	10	100	0(0)	0(0)	2310(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DIVIN

Province	Districts	Reports Expected	% RR	Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Others
	Lugari	24	100	0(0)	6(0)	2307(0)	0(0)	0(0)	62(0)	0(0)	0(0)	0(0)	DNR
	Mt Elgon	16	94	0(0)	4(0)	2492(0)	0(0)	0(0)	92(0)	0(0)	0(0)	0(0)	DNR
	Mumias	24	71	0(0)	5(0)	1944(2)	0(0)	0(0)	23(0)	0(0)	0(0)	0(0)	DNR
	North Bungoma	11	64	0(0)	0(0)	1380(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Samia	9	100	0(0)	2(0)	917(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	South Bungoma	12	100	0(0)	22(0)	2228(0)	2(0)	0(0)	233(0)	0(0)	0(0)	0(0)	DNR
	Teso	20	70	0(0)	111(0)		0(0)		103(0)		0(0)	0(0)	DNR
	Vihiga	21	33	0(0)	0(0)	1342(0)	0(0)	0(0)	14(0)	0(0)	0(0)	0(0)	DNR
	West bungoma	20	75	0(0)	83(0)	2054(0)	0(0)	0(0)	67(0)	0(0)	0(0)	0(0)	DNR

Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Others
34(0)	1306(0)	176064(60)	13(0)	0(0)	3800(0)	1(0)	0(0)	0(0)	0(0)

# Key

**DNR**District did not report for this diseaseMMMeningococcal Meningitis**AFP**Acute Flaccid ParalysisVHSViral Hemorrhagic Fever**NNT**Neonatal TetanusNEPNorth Eastern Province

**HF** Health Facilities % **RR** Health Facility reporting rate for this week

Timely reports Reports received before Wednesday

Completeness (Intra-district)Proportion of health facilities reporting in a district/provinceTimelinessProportion of district in a province/country reporting on time

Weighted Aggregate Score Composite Surveillance Score (3 for Timeliness, 2 for Completeness, 1 for Complete

reports)