

Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

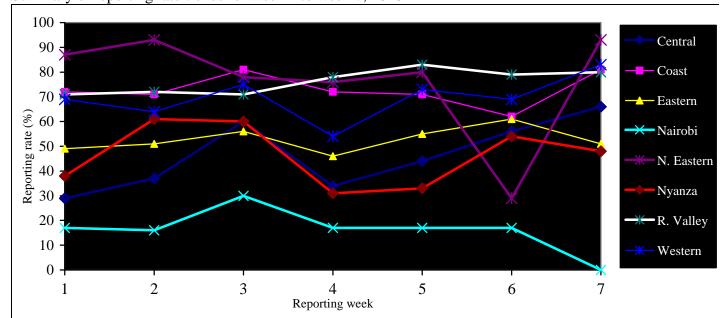
Week 7

Week ending 21st February 2010

Provincial & national surveillance indicators for week 7

Province	No. of Districts	Reporti ng on time	Complete reports	Intra-district average (%)	Timel iness (%)	Completeness of reports (%)	Weighted aggregate score (%)	The National average reporting
Central	11	10	10	66	91	100	84	rate 61%
Coast	13	13	13	81	100	100	94	
Eastern	28	20	20	51	71	100	69	⊕Coast Province
Nairobi	3	0	0	0	0	100	17	had the highest weighted
N. Eastern	11	10	10	93	91	100	93	aggregate score
Nyanza	21	15	15	48	71	100	68	
R. Valley	43	41	41	80	95	100	91	*No reports received from
Western	19	19	19	80	100	100	93	Nairobi Province
National	149	128	128	61	86	100	80	

Summary of reporting rate trends for week 1 to week 7, 2010



Reports not received from the following Districts

Muranga North, Chalbi, Igembe, Laisamis, Makueni, Meru Central, Moyale, Tharaka, Tigania, Nairobi East, Nairobi North, Nairobi West, Wajir South, Bondo, Gucha, Kisumu East, Migori, Siaya, Gucha South, Nakuru North, North Pokot

Highlights for the week

- Nationally:
 - The surveillance weighted aggregate score for the week was 80%
 - The timeliness of reports improved from 81% to 86% in week 7
 - The intra-district average reporting rate remained at 61% even though several provinces had a marked improvement while Nairobi Province had a marked reduction
- Best performing provinces:
 - Coast Province had the highest weighted score at 94% followed by Western and N. Eastern Provinces at 93% each. Nairobi Province had the lowest score at 17%
 - Coast and Western provinces also had the highest reporting timeliness at 100% each while Nairobi had the lowest timeliness at 0%
- Most improved provinces:
- N. Eastern and Coast provinces showed the most improved reporting rate while Eastern, Nyanza and Nairobi hard downwards trends
- The number of Districts from which reports were not received reduced from 28in week 6 to 21
- Districts with 100% reporting rate: Kilindini, Taita, Taveta, Meru South, Kisii South, Bomet, Laikipia North, Trans-Nzoia West, Wareng, Bunyala, Busia, Butere, Kakamega East, Kakamega North, Lugari, Mt. Elgon, Samia and Bungoma South

Disease specific reports

Cholera

- There was a decline in the number of suspected cholera cases from 39 in week 52 to 23 in week 53 with zero reported mortality
- Thirteen (57%) cases were reported from Tinderet District
- The rest of the cases were reported from Mombasa (6), Narok North (3) and Loitoktok (1)

Measles

- Fourteen suspected cases were investigated for measles
- Eleven cases were from Narok North while one case each came from Kirinyaga, Kilindini, and Loitoktok

Malaria

- Reported cases dropped by 1,143 to 168,131
- The reported deaths however increased from 35 to 51

Dysentery

- There was a reduction in the number of reported cases from 1,371 to 1,120
- No death was reported

Typhoid fever

- The number of reported cases increased from 3,179 to 3,576
- Two deaths were also reported

Other diseases

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

For comments please contact: Head,

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Detailed report on diseases reported by Districts during week 7

Drovinos	Districts	Reports	0/ DD	Chalara	Dysontony	Malaria	Magalaa	Maningitia	Tunkaid	ΛΓD	NINIT	\/LIF	O41
Province	DISTRICTS	Expected	% KK	Cholera	Dysentery	iviaiaria	ivieasies	Meningitis	Typhoid	AFP	IVIVI	VHF	Otnei
Central													
				0(0)	* *			0(0)			0(0)		DNR
				0(0)	* *			0(0)			0(0)		DNR
				0(0)		964(0)		0(0)			0(0)		DNR
				0(0)		2062(0)		0(0)	0(0)				DNR
	O .	41		DNR		DNR		DNR				DNR	
	O .			0(0)	` '	875		0(0)	40		0(0)		DNR
	,			0(0)				0(0)			0(0)		DNR DNR
	,			0(0)				0(0)	1 1		0(0)		DNR
				0(0) 0(0)	0(0) 0(0)			0(0) 0(0)	0(0) 0(0)		0(0) 0(0)		DNR
				0(0)		556(0)		0(0)	9(0)		0(0)		DNR
Coast	IIIKa	100	70	0(0)	0(0)	550(0)	0(0)	0(0)	7(0)	U(U)	U(U)	0(0)	DINK
	Kaloleni	18	89	0(0)	36(0)	3850(3)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
				0(0)		2451(0)		0(0)	0(0)		0(0)		DNR
				0(0)	9(0)	2016(0)		0(0)	7(0)		0(0)		DNR
				0(0)		2750(1)		0(0)	3(0)		0(0)		DNR
	Kwale	20		0(0)		852(0)		0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Lamu	33	85	0(0)	0(0)	855(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Malindi	47	66	0(0)	28(0)	1744(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Mombasa	27	52	6(0)	2(0)	346(0)	0(0)	0(0)	17(0)	0(0)	0(0)	0(0)	DNR
				0(0)	4(0)	1325(0)	0(0)	0(0)			0(0)		DNR
		43		0(0)		1412(0)		0(0)			0(0)		DNR
				0(0)		1014(0)					0(0)		DNR
				0(0)		731(0)		0(0)	7 7		0(0)		DNR
	Taveta	10	100	0(0)	4(0)	795(0)	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	DNR
Eastern		4.4	•	DAID	DND	DAID	DAID	DNID	DND	DND	DND	DND	DAID
		11		DNR		DNR		DNR					DNR
				0(0)				0(0)	77(0)				DNR
				0(0)		425(0) DNR		0(0) DNR	0(0) DNR			0(0) DNR	DNR
	•	46 55		DNR				0(0)			0(0)		DNR
				0(0) 0(0)				0(0)			0(0)		DNR
				0(0)				0(0)		0(0)		0(0)	
				0(0)									DNR
				0(0)				0(0)			0(0)		DNR
				0(0)				1(1)					DNR
				0(0)									DNR
		12		DNR		DNR		DNR		DNR		DNR	
				0(0)				0(0)					DNR
				0(0)				0(0)					DNR
		27		DNR				DNR		DNR		DNR	
			10	0(0)	0(0)	123(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
			71	0(0)	0(0)	2586(2)	0(0)	0(0)	0(0)	0(0)	0(0)		DNR
				0(0)				0(0)					DNR
		21		DNR				DNR		DNR		DNR	
		20		0(0)		1812(2)		0(0)					DNR
	Moyale	15	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR

		Reports											
Province	Districts	Expected	% RR	Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Other
	Mutomo	16	81	0(0)	0(0)	1185(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Mwala	33	91	0(0)	12(0)	1924(0)	0(0)	0(0)	81(0)	0(0)	0(0)	0(0)	DNR
	Mwingi	45	67	0(0)	5(0)	2052(0)	0(0)	0(0)	6(0)	0(0)	0(0)	0(0)	DNR
	Nzaui	43	30	0(0)	0(0)	1425(0)	1 1		0(0)		0(0)		DNR
	Tharaka	17	0	DNR			1 1	DNR				DNR	
	Tigania	28	0	DNR		DNR		DNR				DNR	
	Yatta	43	60	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	
	Nairobi West	71	0	DNR			DNR	DNR		DNR		DNR	
North													
Eastern													
	Fafi	6	67	0(0)	0(0)	186(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Garissa	23	61	0(0)				0(0)	52(0)		0(0)		DNR
	ljara	9	44	0(0)	0(0)	302(0)		0(0)	0(0)		0(0)		DNR
	Lagdera	13	46	0(0)		324(0)		0(0)	0(0)		0(0)		DNR
	Mandera Central	12	50	0(0)		266(0)		0(0)	0(0)		0(0)		DNR
	Mandera East	8	63	0(0)		220(0)			0(0)	0(0)	0(0)		DNR
	Mandera West	8	75	0(0)		451(0)	1 1			0(0)	0(0)		DNR
	Wajir West	8	50	0(0)		208(0)		0(0)		0(0)	0(0)		DNR
	Wajir East	13	62	0(0)		208(0) 283(0)		0(0)		0(0)	0(0)		DNR
	Wajir North		50			263(0) 170(0)	1 1	1 1		0(0)	0(0)		DNR
		8 11		0(0) DNR			0(0) DNR	0(0) DNR					
	Wajir South	11	0	DINK	DINK	DNR	DINK	DINK	DNR	DNR	DINK	DNR	DINK
Nyanza	Bondo	24	0	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DND	DNR	DND
	Borabu		86	0(0)				0(0)					DNR
	Gucha			DNR			1 1	DNR				DNR	
		14	0 70										DNR
	Homa Bay	20		0(0)		1885(3)	1 1	0(0)					
	Kisii Central	32	97	0(0)				0(0)					DNR
	Kisii South	11	100	0(0)				0(0)					DNR
	Kisumu East	54	0	DNR		DNR	DNR	DNR				DNR	
	Kisumu West	17	53	0(0)				0(0)					DNR
	Kuria East		83									0(0)	
	Kuria West	24	33	0(0)				0(0)		0(0)			DNR
	Manga	17	94	0(0)				0(0)					DNR
	Masaba	30	53	0(0)									DNR
	Migori	42	0	DNR				DNR				DNR	
	Nyamira	42	67	0(0)				0(0)					DNR
	Nyando	42	67	0(0)				0(0)					DNR
	Rachuonyo	34	76	0(0)				0(0)					DNR
	Rarienda	18	83	0(0)		2203(0)		0(0)					DNR
	Rongo	32	84	0(0)	22(0)	3610(0)		0(0)					DNR
	Siaya	70	0	DNR		DNR	DNR	DNR		DNR		DNR	
	South Gucha	14	0	DNR		DNR	DNR	DNR				DNR	
1	Suba	40	98	0(0)	93(0)	3840(0)	0(0)	0(0)	58(0)	0(0)	0(0)	0(0)	DNR
							i .	Ī					I
Rift Valley													
Rift Valley	Baringo	50	68	0(0)									DNR
Rift Valley			67	0(0) 0(0) 0(0)	11(0)	382(0)	0(0)	0(0)	8(0)	0(0)	0(0)	0(0)	DNR DNR DNR

		1			ı			I					
Province	Districts	Reports Expected	% RR	Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Othe
	Bureti			0(0)	0(0)	1816(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	East Pokot	9	33	0(0)	0(0)	556(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Eldoret East	35	86	0(0)	0(0)	1570(0)	0(0)	0(0)	47(0)	0(0)	0(0)	0(0)	DNR
	Eldoret West	40	63	0(0)	0(0)	1512(0)	0(0)	0(0)	50(0)	0(0)	0(0)	0(0)	DNR
	Kajiado	35	49	0(0)	0(0)	1356(1)	0(0)	0(0)	22(0)	0(0)	0(0)	0(0)	DNR
	Keiyo	36	94	0(0)	0(0)	1123(1)	0(0)	0(0)	43(0)	0(0)	0(0)	0(0)	DNR
	Kericho	30			0(0)	1609(0)	0(0)	0(0)			0(0)	0(0)	DNR
	Kipkelion	38			0(0)	715(0)	0(0)	0(0)			0(0)	0(0)	DNR
	Koibatek	31				870(0)	0(0)	0(0)			0(0)		DNR
	Kwanza	17				864(0)	0(0)	0(0)			0(0)	0(0)	DNR
	Laikipia East	14		0(0)	1(0)	307(0)	0(0)	0(0)			0(0)		DNR
	Laikipia North	9		0(0)	1(0)	158(0)	0(0)	0(0)			0(0)		DNR
	Laikipia West	25			0(0)	957(0)	0(0)	0(0)			0(0)		DNR
	Loitoktok	23		1(0)	124(0)	764(0)	1(0)	0(0)			0(0)		DNR
	Marakwet	54			0(0)	803(0)	0(0)	0(0)			0(0)		DNR
	Molo				0(0)	585(0)	0(0)	0(0)			0(0)		DNR
	Naivasha			0(0)	13(0)	1823(1)	0(0)	0(0)					DNR
	Nakuru				0(0)	687(5)	0(0)	0(0)			0(0)		DNR
	Nakuru North	28			DNR	DNR	DNR	DNR			DNR	DNR	
	Nandi Central					891(0)	0(0)	0(0)			0(0)		DNR
	Nandi East	32				840(1)	0(0)	0(0)					DNR
	Nandi North				7 7	866(0)	0(0)	0(0)			0(0)		DNR
	Nandi South					947(0)	0(0)	0(0)			0(0)		DNR
	Narok North					650(1)		0(0)			0(0)		DNR
	Narok North			0(0)	1 1	904(0)	0(0)	0(0)			0(0)		DNR
	North Pokot	12			DNR	DNR	DNR	DNR			DNR	DNR	
	Pokot Central				0(0)	930(0)	0(0)	0(0)			0(0)		DNR
	Samburu			0(0)	1 1	298(0)	0(0)	0(0)			0(0)		DNR
	Samburu East					463(0)	0(0)	0(0)			0(0)		DNR
	Samburu North					220(0)	0(0)	0(0)			0(0)		DNR
	Sotik				0(0)	1585(0)	0(0)	0(0)			0(0)		DNR
	Tinderet			13(0)	1(0)	196(0)	0(0)	0(0)			0(0)		DNR
				0(0)	1(0)	935(0)	0(0)	0(0)			0(0)		DNR
					12(0)			0(0)		0(0)		0(0)	
	Transmara			0(0)	13(0)	1553(0)	0(0)	0(0)		0(0)			DNR
				0(0)	1(0)	1372(3)	0(0)	0(0)					DNR
	Turkana North				3(0)	1165(1)	0(0)	0(0)					DNR
				0(0)		270(0)		0(0)					DNR
	Wareng	36			0(0)	1255(0)		0(0)					DNR
	West Pokot				3(0)	1084(0)		0(0)					DNR
Western	AAGSI LOVOI	20	/ /	U(U)	3(0)	1004(0)	0(0)	0(0)	100(0)	U(U)	0(0)	0(0)	אווע
L	Dunyala	7	100	0(0)	0(0)	1327(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Bunyala	-			0(0)			0(0)					DNR
	Busia	26			42(0)	4488(0)		0(0)					
	Butere	16				3291(0)		0(0)					DNR
	East Bungoma				0(0)	1459(2)	0(0)	3(2)					DNR
	Emuhaya				2(0)	733(0)		0(0)					DNR
	Hamisi	13	77	0(0)	0(0)	872(0)	0(0)	0(0)	56(0)	0(0)	0(0)	0(0)	DNR
	Kakamega Central (Lurambi)	29	83	0(0)	2(0)	3872(0)	0(0)	0(0)	111(0)	0(0)	0(0)	0(0)	DNR
	Kakamega East (Shinyalu)	10	100	0(0)	0(0)	834(0)	0(0)	0(0)	10(0)	0(0)	0(0)	0(0)	DNR

Province	Districts	Reports Expected	% RR	Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Othe
	Kakamega North (Malava)	16	100	0(0)	0(0)	1203(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Kakamega South (Ikolomani)	10	90	0(0)	8(0)	1074(1)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Lugari	24	100	0(0)	25(0)	2342(0)	0(0)	0(0)	39(0)	0(0)	0(0)	0(0)	DNR
	Mt Elgon	16	100	0(0)	6(0)	927(0)	0(0)	0(0)	32(0)	0(0)	0(0)	0(0)	DNR
	Mumias	24	79	0(0)	18(0)	5428(2)	0(0)	0(0)	53(0)	0(0)	0(0)	0(0)	DNR
	North Bungoma	11	64	0(0)	0(0)	817(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	DNR
	Samia	9	100	0(0)	11(0)	882(0)	0(0)	0(0)	12(0)	0(0)	0(0)	0(0)	DNR
	South Bungoma	12	100	0(0)	73(0)	1793(5)	0(0)	0(0)	187(2)	0(0)	0(0)	0(0)	DNR
	Teso	20	70	0(0)		2773(2)	0(0)		81(0)	0(0)	0(0)	0(0)	DNR
	Vihiga	21	48	0(0)			0(0)				0(0)	0(0)	DNR
	West bungoma	20	75			2074(0)	0(0)		62(0)		0(0)	0(0)	DNR

Cholera	Dysentery	Malaria	Measles	Meningitis	Typhoid	AFP	NNT	VHF	Other
23(0)	1120(0)	168131(51)	14(0)	4(3)	3576(2)	0(0)	0(0)	0(0)	0(0)

Key

DNR MM District did not report for this disease Meningococcal Meningitis AFP Acute Flaccid Paralysis VHS Viral Hemorrhagic Fever NNT Neonatal Tetanus **NEP** North Eastern Province

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

Timely reports Reports received before Wednesday

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

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

reports)