



Republic of Kenya
Ministry of Public Health and Sanitation

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 19

Week Ending 15th May 2011

Provincial & national surveillance indicators for week 19

Province	No. of Districts	Reporting on time	Complete reports	Intra-district facility RR (%)	Timeliness (%)	Completeness of reports (%)	Weighted aggregate score (%)
Central	11	10	10	70	91	100	85
Coast	13	13	13	96	100	100	99
Eastern	28	27	27	75	96	100	90
Nairobi	3	3	3	70	100	100	90
N. Eastern	11	11	11	72	100	100	91
Nyanza	21	19	19	79	90	100	88
R. Valley	43	42	42	78	98	100	92
Western	19	17	17	90	89	100	91
National	149	142	142	79	95	100	91

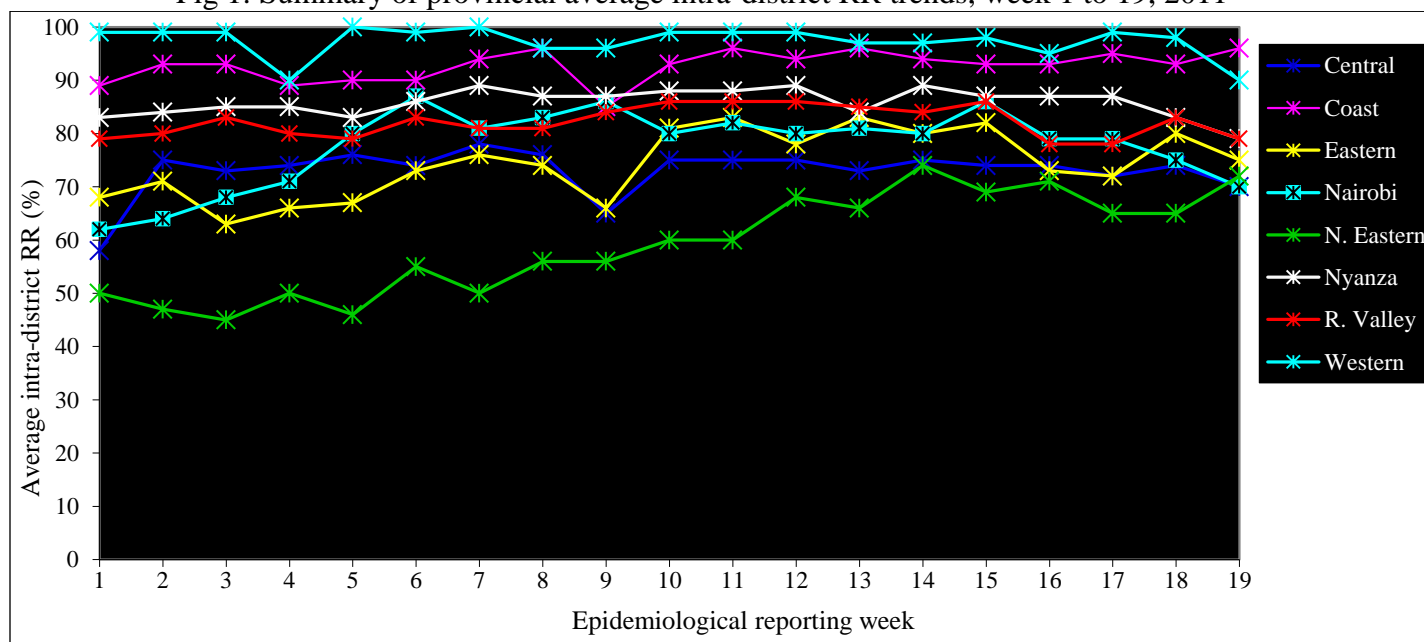
✚ Bulletin delayed due to upgrading of IDSR reporting/data system

✚ 17 new measles cases confirmed in week 18 in 8 districts

✚ Total confirmed measles cases in the country now 132 by week 18

✚ Measles vaccination campaign commenced in 23 districts during the week to continue for 11 days

Fig 1: Summary of provincial average intra-district RR trends, week 1 to 19, 2011



Reports not received from the following 7 districts

Murang'a North, Tharaka, Kisumu East, Rachuonyo, Narok North, Bungoma East and Teso

Fig. 2: Confirmed measles cases (n=142), week 1 to 19, 2011

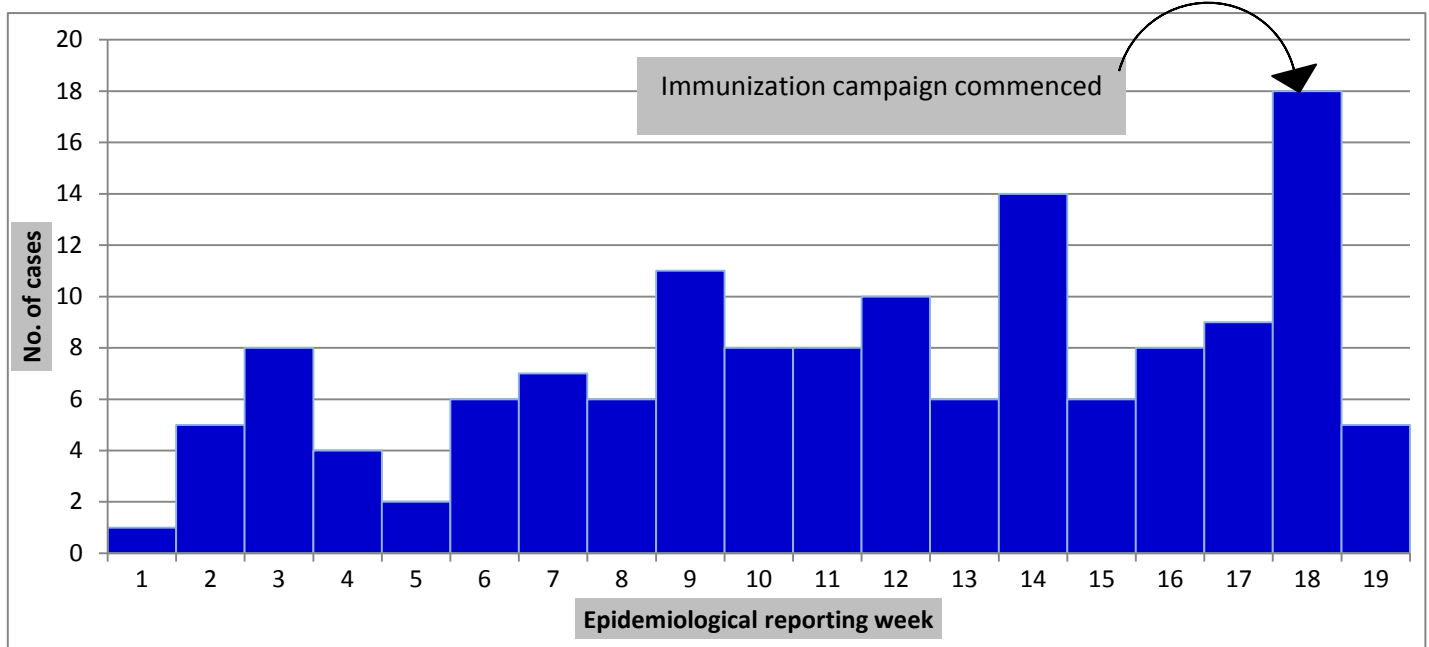


Fig. 3: Confirmed measles cases (n=142) by reporting district, week 1 to 19, 2011

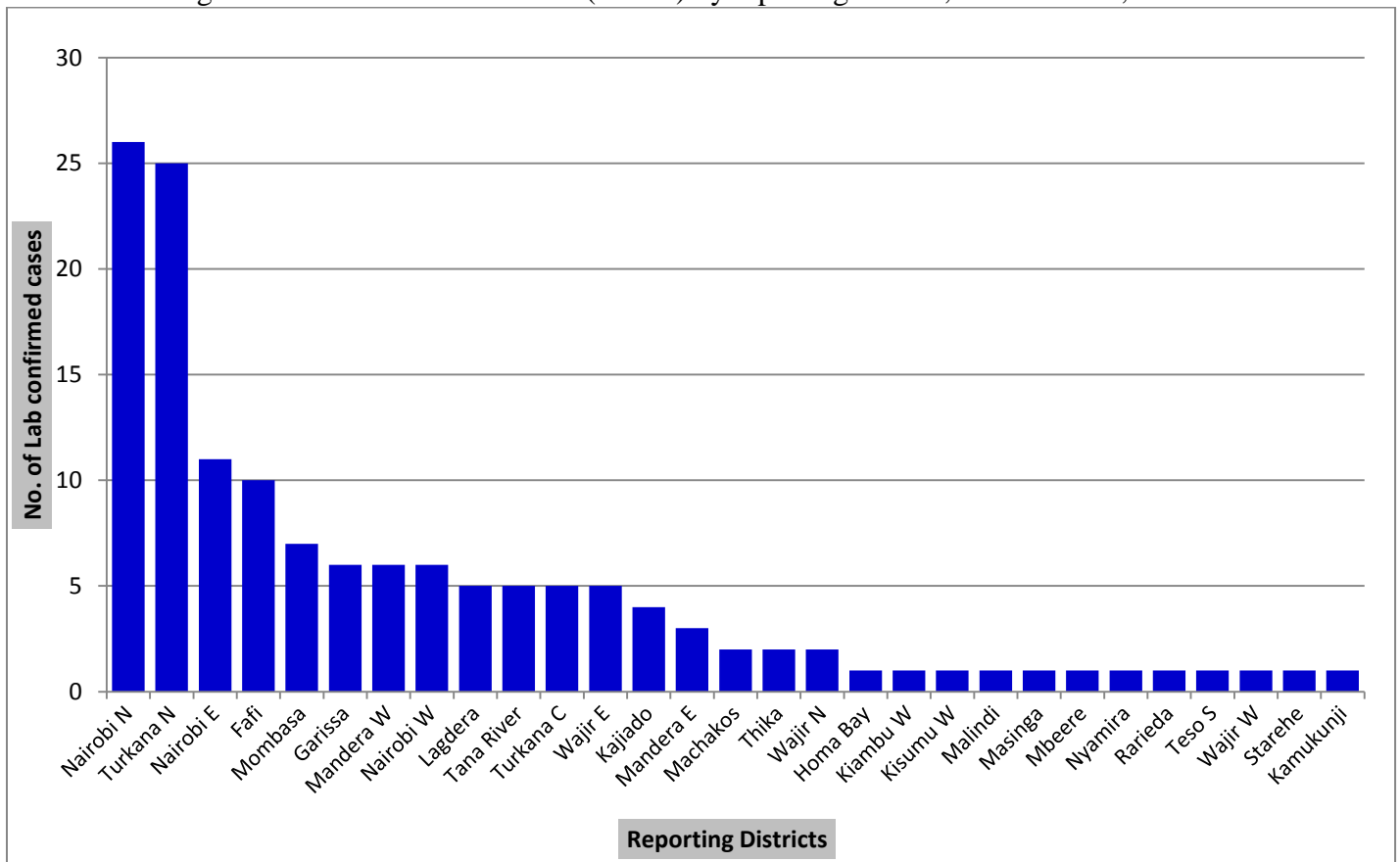
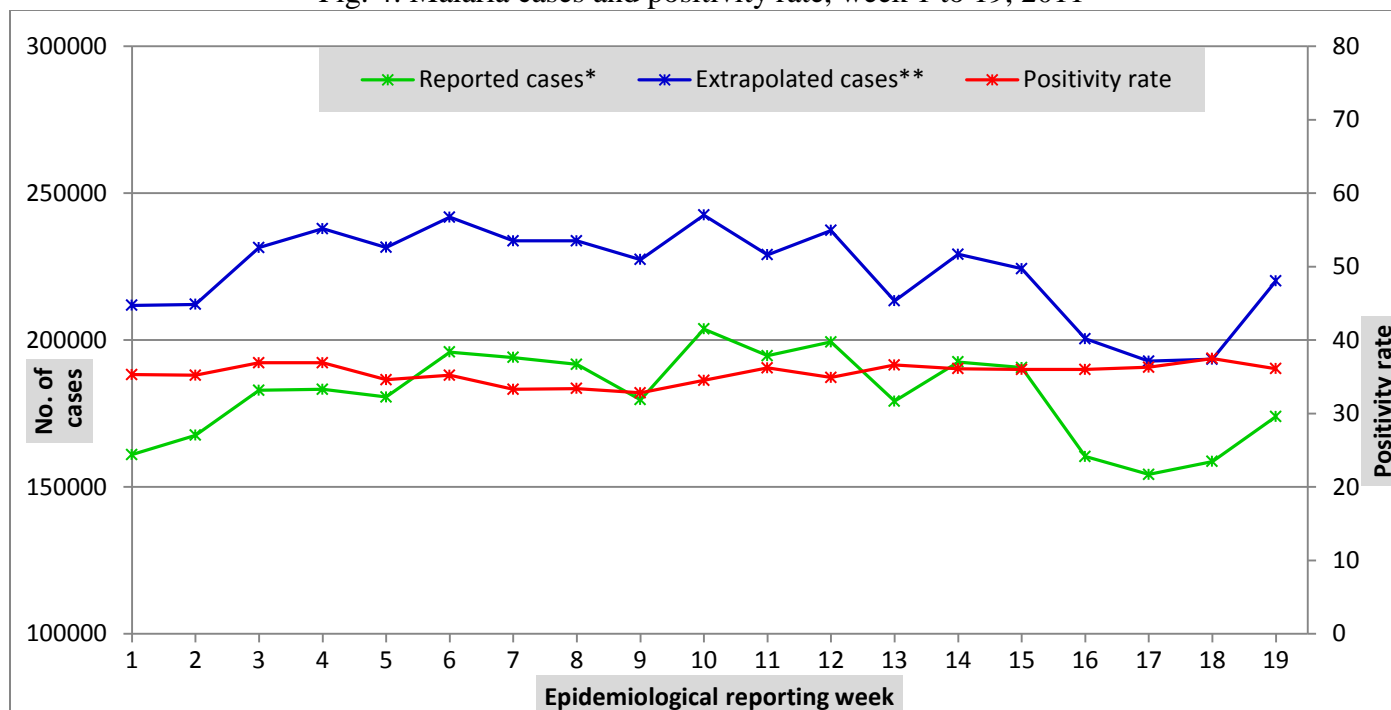


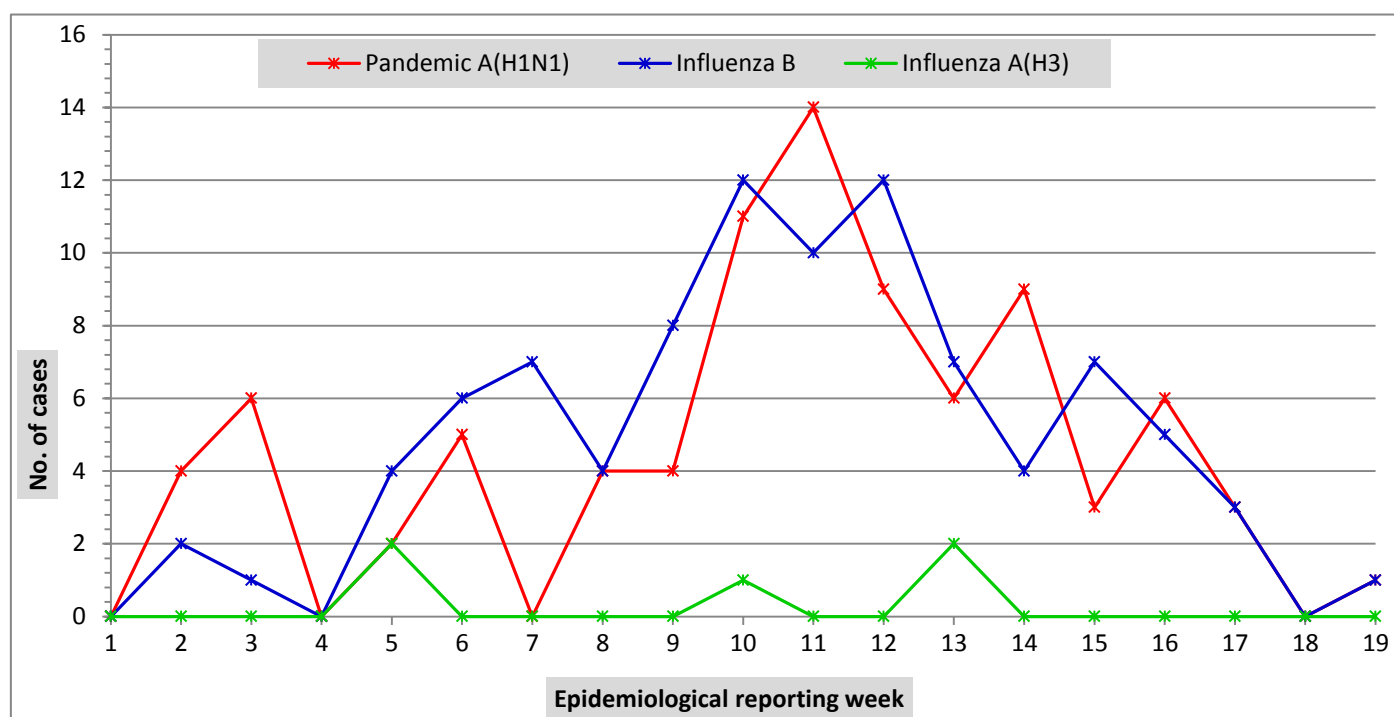
Fig. 4: Malaria cases and positivity rate, week 1 to 19, 2011



* Cases reported by health facilities that submitted weekly reports during the reporting week

** Extrapolated from reported cases considering the intra-district reporting rate for the week

Fig. 5: Confirmed cases* of selected influenza virus types, week 1 to 19, 2011



* Ministry of Public Health and Sanitation and the Walter Reed Program influenza surveillance system

Highlights for the week

- ⊕ Nationally:
 - ⊙ The surveillance weighted aggregate score remained at 92% in week 18
 - ⊙ The number of districts that reported declined from 146 (98%) in week 17 to 143 (96%) in week 18
 - ⊙ The intra-district average reporting rate improved from 80% to 82%
- ⊕ Best performing provinces in week 18 of 2011:
 - ⊙ District reporting rate: All districts in Eastern, Nairobi, North Eastern and Western provinces reported while only 90% of the districts in Nyanza province reported
 - ⊙ Intra-district facility reporting rate: Western (98%) and Coast (93%) provinces had the highest facility reporting rate while only 65% of health facilities in North Eastern province and 74% of those in Central province reported
- ⊕ Most improved provinces in week 18 of 2011:
 - ⊙ Intra-district facility RR: Eastern (72% to 80%) and Rift Valley (78% to 83%) provinces improved the most while Nairobi (79% to 75%) and Nyanza (87% to 83%) dropped the most in performance in the week
 - ⊙ District reporting rate: While only Eastern province (93% to 100%) improved, Nyanza province (100% to 90%) declined the most in performance in week 18
- ⊕ Thirty five (23%) districts [a rise from thirty three (22%) districts in week 17] attained 100% intra-district reporting rate

Disease specific reports

Malaria

- ⊕ Reported cases rose from 154,248 in week 17 to 158,657 in week 18
- ⊕ Mortality also rose from 23 cases in week 17 to 28 cases in week 18
 - ⊙ The deaths were reported from: East Bungoma (8), Kibwezi (3), Kitui (3), Makueni (3), West Pokot (3), Molo (2), Tana River (1), Imenti (1), Nandi East (1), Trans Nzoia East (1), Turkana North (1) and Turkana South (1) districts
- ⊕ Overall, 81,416 (51%) cases were laboratory tested, yielding a positivity rate of 37.5%

Cholera

- ⊕ Zero cases were reported in the week

Measles

- ⊕ 64 suspected cases (a rise from 37 in week 17) were reported from 13 districts, with one death reported in Makueni district
- ⊕ The cases were reported from the following districts: Wajir East (15), Mandera East (14), Kajiado (7), Kuria East (6), Kitui (3), Meru South (3), Molo (2), Kiambu West (2), Rachuonyo (2), Nyamira (2), Makueni (1), Taita (1), Siaya (1), Nyandarua North (1), Igembe (1), Maara (1), West Pokot (1) and Mombasa (1)
- ⊕ The laboratory surveillance system investigated 46 case specimen from 22 districts
 - ⊙ Seventeen (37%) specimen tested positive for measles IgM. The specimen were submitted from Tana River (5), Turkana North (3), Nairobi West (3), Fafi (2), Kiambu West (1), Kisumu West (1), Nairobi North (1), and Turkana Central (1) districts
 - ⊙ Ten (22%) specimen tested positive for rubella

Dysentery

- ⊕ Reported cases rose from 1,181 in week 17 to 1,241 in week 18 with no death

Typhoid fever

- ⊕ Reported cases rose marginally from 4,912 in week 17 to 4,924 in week 18 with no death

AFP

- ⊕ One case was reported in the week with no death
- ⊕ The case was reported from Trans Mara district

Meningococcal Meningitis

- ⊕ One case was reported in the week with no death
- ⊕ The case was reported from Embu (1) district

NNT

- ⊕ Zero cases were reported in the week

Influenza (Walter Reed Influenza Surveillance)

- ⊕ Thirty five specimen were processed by the national influenza center
 - ⊙ Two (5.7%) tested positive for influenza A but had not been sub-typed
 - ⊙ None tested positive for influenza A (H1), influenza A (H3), influenza A (H5), influenza B and pandemic influenza A (H1N1) virus

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Summary of Weekly Integrated Disease Surveillance and Response Report for week 18

	Cholera	Dysentery	Malaria	Malaria Tested	Malaria Positive	Measles	MM	Typhoid	NNT	AFP	VHF	Plague	Yellow Fever
Week 18 summary	0 (0)	1,241 (0)	158,657 (28)	81,416	30,525	64 (1)	1 (0)	4,924 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)
Years cumulative summary	1 (0)	22,038 (1)	3,269,993 (485)	1,508,384	534,075	1,117 (4)	28 (1)	101,490 (3)	2 (0)	14 (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

Intra-district: Proportion of health facilities reporting in a district

Timeliness: Proportion of districts 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

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