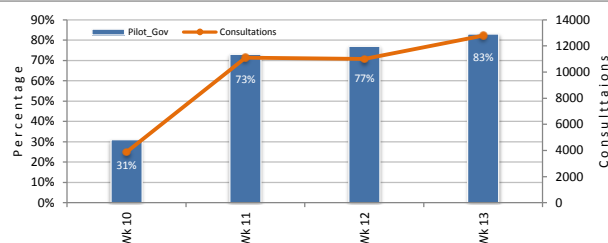


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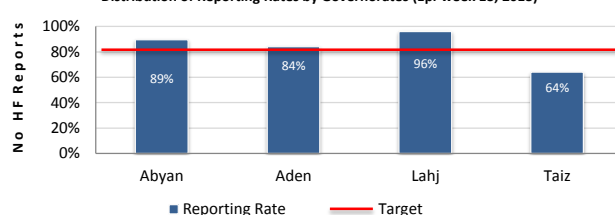
Highlights

- During week no 13, 2013; 83% (78/94) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 12806 compared to 11001 the previous reporting week. Acute respiratory tract infections (ARI), acute diarrhea (OAD) and suspected malaria (S.Mal) were the leading cause of morbidity this week.
- A total of 29 alerts were generated by eDEWS system in week 13, 2013; Of these, 19 alerts were verified as true for further investigations with appropriate response.
- Altogether 14 alerts of Measles and 1 each for Pertussis, AFP, AVH, Meningitis and NNT alerts were received and responded. In total, 78 people were affected.
- Online disease surveillance and response system was launched in 4 governorates (Aden, Abyan, Lahj and Taiz) in March 2013. Ongoing on site trainings to improve weekly reporting and immediate notification are underway in all 4 pilot governorates.

eDEWS Reporting Rates vs Consultations in Pilot Governorates, Epi weeks 10 to 13, 2013



Distribution of Reporting Rates by Governorates (Epi-week 13, 2013)



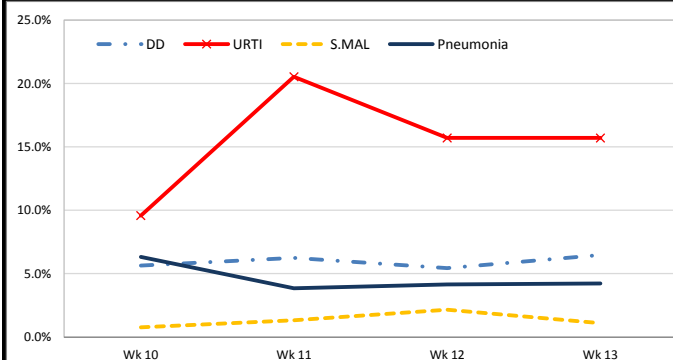
Leading Priority Diseases - Pilot Governorates (Epi-week 13, 2013)

- URTI (15.7%), suspected malaria (1.1%), OAD (6.2%) and Pneumonia (4.2%) remain the leading causes of morbidity representing a total of 27.2%.
- Acute viral hepatitis, acute watery diarrhea and Schistosomiasis represented less than 1% of total morbidity in reporting period. Bloody diarrhea represented 0.3% of this morbidity.
- All diarrheal disease comprised 6.5% and Pneumonia 4.2% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3.19% and Pneumonia 1.97% of total morbidity in the <5 years age group.

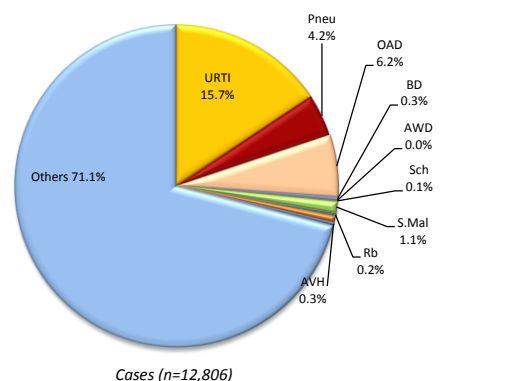
22 districts from 4 Governorates reported to eDEWS in week 13, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 13, 2013

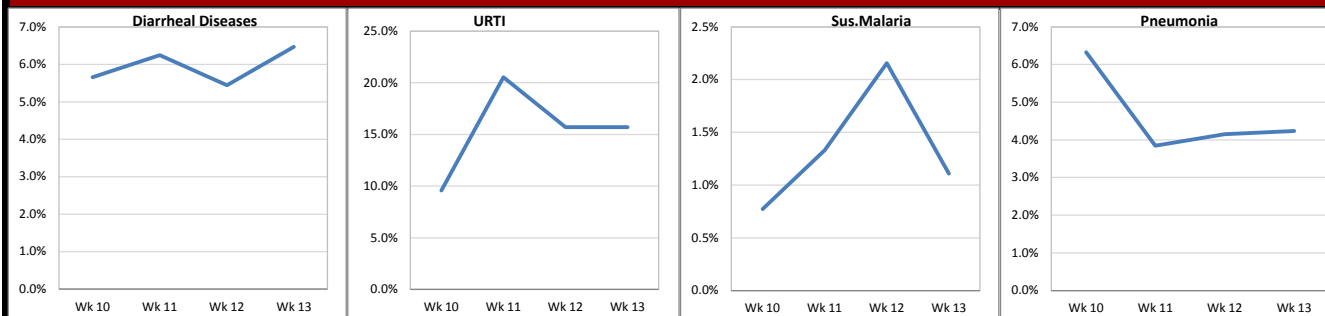


Proportional Morbidity for Leading Priority Diseases - Epiweek 13, 2013

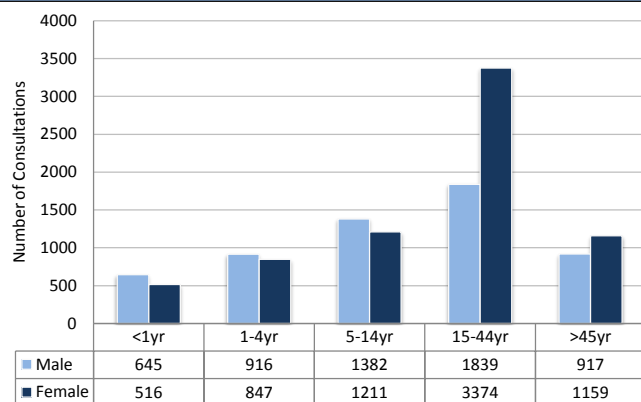


URTI=Upper respiratory infections; Pneu=Pneumonia; OAD=Other acute diarrheal; BD= Bloody diarrhea; AWD=Acute Watery Diarrhea; Sch=Schistosomiasis; Mal=Malaria; Rb=Rabies; AVH=Acute viral hepatitis; Meng=Meningitis; DF=Dengue fever; VHF=Viral hemorrhagic fever; Meas=Measles; CL=Cutaneous Leishmaniasis; Pert= Pertussis; DipH= Diphtheria; NNT= Neonatal Tetanus

Weekly trends of Diarrheal Diseases, Upper Respiratory infections, Suspected Malaria and Pneumonia (Epi week 10 to 13, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 13, 2012)



Cumulative number of major health events reported in Epi-weeks 10 to 12, 2013 (1st March 2013 to 28th March 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	6382	16.4%
Diarrheal Diseases	2329	6.0%
Suspected Malaria	559	1.4%
Pneumonia	1676	4.3%
Total (All consultations)	38897	100%

Leading Diseases by Governorate, Epiweek 13

- URTI was highest in Governorate Abyan (27.6%) this week.
- Diarrheal Disease was highest in Governorate Aden (8.2%) this week.

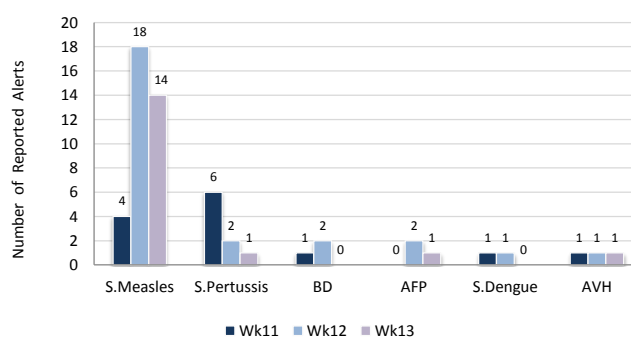
Distribution of consultations of leading diseases by Governorates, Epiweek 13

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	243	875	521	372	2011
Pneumonia	54	221	125	142	542
Other Acute Diarrhea	79	412	80	218	789
Bloody Diarrhea	1	2	10	26	39
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	2	0	4	9	15
Malaria	15	62	39	26	142
Meningitis	0	0	0	14	14
Dengue Fever	0	0	0	2	2
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	0	0	25	25
Measles	11	47	3	25	86
Acute Viral Hepatitis (A & E)	8	12	1	21	42
Neonatal Tetanus	0	1	0	0	1
Acute Flaccid Paralysis	0	0	0	0	0
Cutaneous Leishmaniasis	0	0	0	0	0
Diphtheria	0	0	0	0	0
Pertussis	1	2	2	0	5
Other Consultations	1560	3394	1106	3033	9093
Total Consultations	1974	5028	1891	3913	12806

Number of alerts & outbreaks reported and investigated with appropriate response

Sus. Diseases	2013		Current week 13, 2013		System Gen. Alerts (week 13)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	0
Sus. Pertussis	12	0	1	0	1	2
Sus. Measles	40	0	14	0	14	2
AFP	3	0	1	0	1	0
Bloody Diarrhea	3	0	0	0	0	3
AVH	3	0	1	0	1	3
Sus. Dengue fever	2	0	0	0	0	0
Sus. Meningitis	3	0	1	0	1	0
Cut. Leishmaniasis	1	0	0	0	0	0
NNT	1	0	1	0	1	0
Total	68	0	19	0	19	10

Number of Alerts Received and Responded (Epiweeks 11 and 13, 2013)



Lahj Governorate

24 health facilities from 5 districts in Lahj governorate reported to eDEWS with a total of 1,974 patients consultations in week 13, 2013. Total 6 alerts were reported and appropriate measures were taken in week 13, 2013. Altogether 4 alerts were for Measles and 1 each for pertussis and AVH received and responded.

Aden Governorate

21 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 5,028 patients consultations in week 13, 2013. Total 5 alerts reported and appropriate measures were taken in week 13, 2013. Altogether 4 alerts for Measles and 1 for NNT were received and responded.

Abyan Governorate

17 health facilities from 3 districts in Abyan governorate reported to eDEWS with a total of 1,891 patients consultations in week 13, 2013. Total 3 alerts reported and appropriate measures were taken in week 13, 2013. Altogether 2 alerts for Measles and 1 for AFP were reported.

Taiz Governorate

16 health facilities from 6 districts in Taiz governorate reported to eDEWS with a total of 3,913 patients consultations in week 13, 2013. Total 5 alerts reported and appropriate measures were taken in week 13, 2013. Altogether 4 alerts for Measles and 1 for Meningitis were reported and responded.

Alert/Outbreaks Responded in Epi-week 13, 2013

Suspected	Governorat	District	Location	Actions Taken / Notes	Cases	Death
Sus.Measles	Lahj	Tuban	Village Al-Feyou	Lahj Surveillance Coordinator confirmed cases. Measles focal point was contacted and information was shared; Field investigation done, sample was collected from one case only as others refused to take sample, sample has been sent to central lab Sana'a	5	0
Sus.Measles	Lahj	Al-Hawtah	Al-Hawtah City	Lahj Surveillance Coordinator confirmed cases. Measles focal point was contacted and information was shared; Field investigation done, sample was collected and sent to central lab sana'a for examination	3	0
Sus.Measles	Lahj	Radfan	Radfan	Lahj Surveillance Coordinator confirmed cases. Samples were not taken as specimen containers were not available. Investigation was done and details were recorded using investigation form	2	0
Sus.Measles	Lahj	Radfan	Radfan	Lahj Surveillance Coordinator confirmed cases. Samples were not taken as specimen containers were not available. Investigation was done and details were recorded using investigation form	1	0
AVH	Lahj	Tuban	Tuban	Further investigations were not possible as contact information was not recorded by physician. On job training was done and physician was requested to record contact information in future to facilitate investigations	4	0
Sus.Pertussis	Lahj	Tuban	Tuban	Lahj Surveillance Coordinator has planned a visit to the affected area for further investigations	1	0
Sus.Measles	Taiz	Salah	Salah	District coordinator was contacted, 2 cases visited hospital (ages 1-2yrs) with complain of Fever, cough and rash since 3 days, both cases immunized for measles antigen, family refused sampling of cases, No contact information was available for field investigations	2	0
Sus.Measles	Taiz	Salah	Salah	District coordinator was contacted, samples collected and sent to the Central Lab in Sanaa.	1	0
Sus.Measles	Taiz	Salah	Salah	One year baby boy (not vaccinated) visited hospital from Sharaab area, family refused blood sampling, no contact information was available for field investigation, importance of recording patient contact information was dsicussed with physician	1	0
Sus.Measles	Taiz	Alqahira	Alqahira	District coordinator was contacted, samples collected and sent to the Central Lab in Sanaa.	20	0
Meningitis	Taiz	Alqahira	Alqahira	District coordinator contacted, information shared, samples were taken, follow up to find out the results, field investigations planned	14	0
Neonatal tetanus	Aden	Almuala	almuala	A neonate diagnosed at the polyclinic and referred immediately to Al-Wehda hospital for admission and treatment	1	0
Sus.Measles	Aden	seera	seera	eDEWS surveillance officer contact with focal point, cases are diagnosed clinically, samples were collected and sent to central lab for confirmation, information shared with district health officials.	9	0
Sus.Measles	Aden	Almuala	almual	eDEWS surveillance officer contact with focal point, cases are diagnosed clinically, samples were collected and sent to central lab for confirmation, information shared with district health officials.	9	0
Sus.Measles	Abyan	Khunfar	khunfar	Cases were diagnose clinically, blood samples were collected for investigation and confirmation, information shared with district health officials.	2	0
Sus.Measles	Abyan	Khunfar	Khunfar	Case was diagnosed clinically, no blood sample was collected, contact information was not recorded, importance of lab and field investigation was discussed with physician, information shared with district health officials.	1	0

The objective of this weekly epidemiological bulletin is to provide a snap shot on selected health events reported from the eDEWS surveillance system in four governorates (Aden, Abyan, Lahj and Taiz) of Yemen. While every attempt is made to present the weekly trends of epidemic prone diseases, the information presented in the bulletin needs to be interpreted in the context that precise information on the reference populations is not always available. The bulletin also includes information collected by the eDEWS teams. The primary focus of DEWS is early detection of epidemic prone disease, to facilitate a rapid public health response.