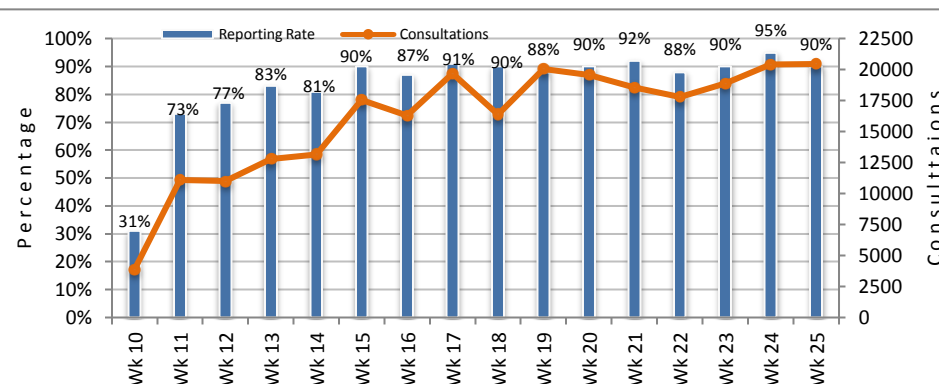


Volume 01, Issue 15, Epi week 25, 14 June - 20 June 2013

Highlights

- During week no 25, 2013; 90% (84/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 20474 compared to 20398 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 47 alerts were generated by eDEWS system in week 25, 2013; Of these, 40 alerts were verified as true for further investigations with appropriate response.
- Altogether 18 alerts for Measles, 8 Pertussis, 4 AVH, 2 each for Dengue Fever, C. Leishmaniasis, Pneumonia, and 1 each for Acute Flaccid Paralysis, Meningitis, NNT and OAD were received and responded.
- 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 25, 2013



Distribution of Reporting Rates by Governorates (Epi-week 25, 2013)



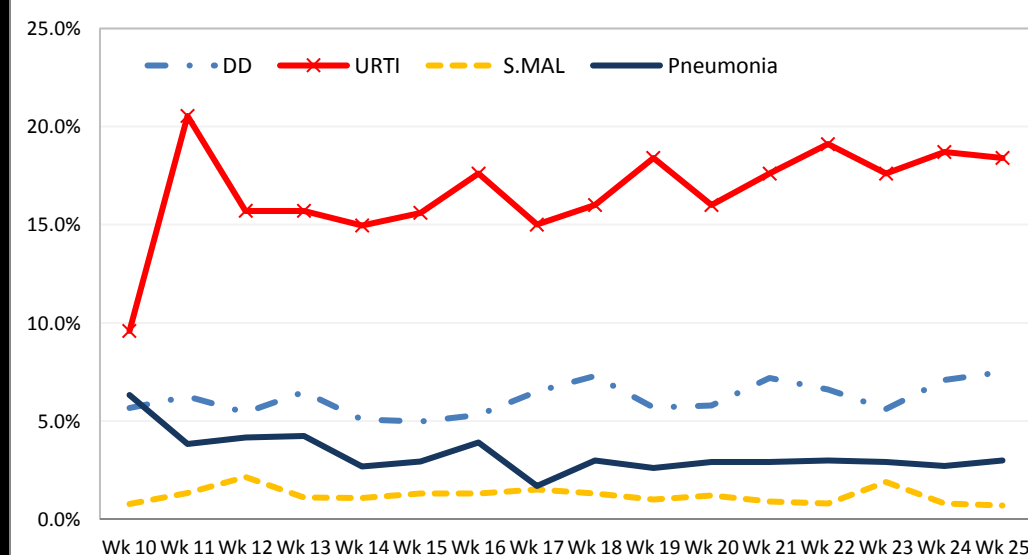
Leading Priority Diseases - Pilot Governorates (Epi-week 25, 2013)

- URTI (18.4%), suspected malaria (0.7%), OAD (7.2%) and Pneumonia (3%) remain the leading causes of morbidity representing a total of 29.3%.
- 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 7.5% and Pneumonia 3% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3.74% and Pneumonia 1.78% of total morbidity in the <5 years age group.

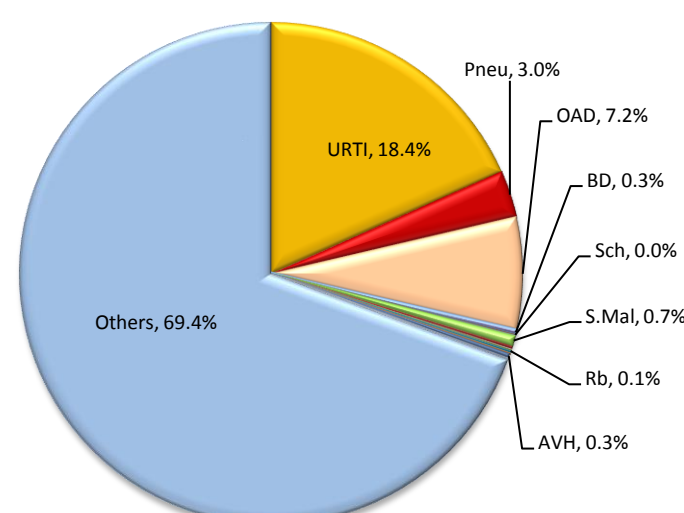
32 districts from 4 Governorates reported to eDEWS in week 25, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 25, 2013



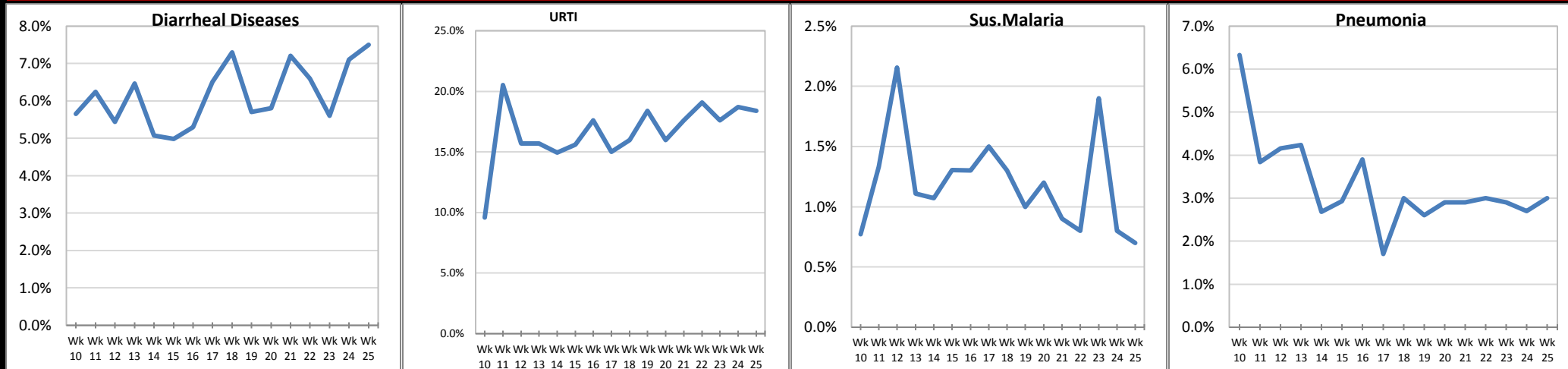
Proportional Morbidity for Leading Priority Diseases - Epiweek 25, 2013



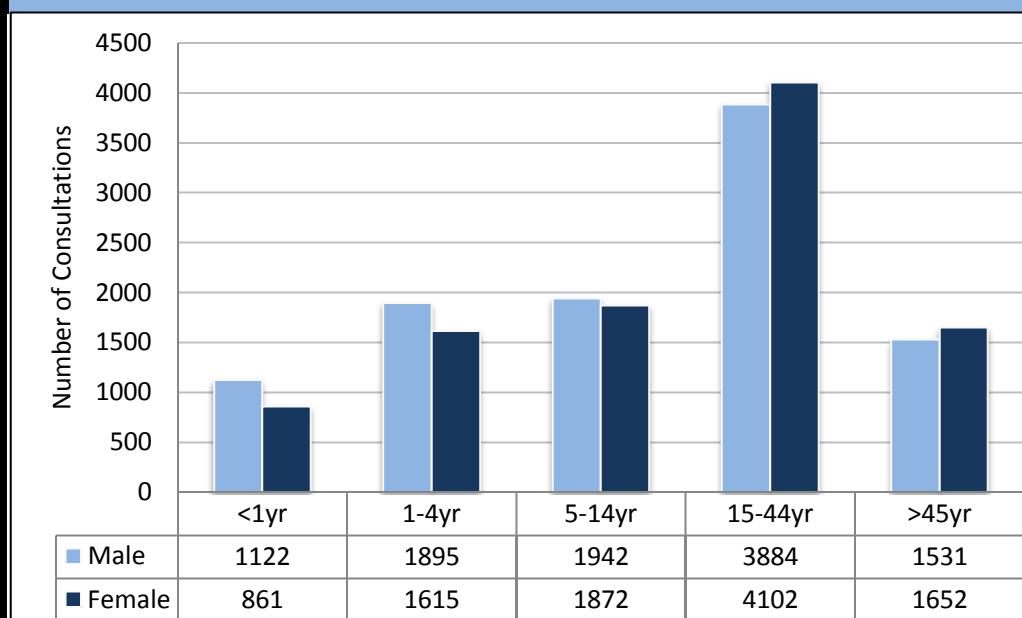
Cases (n=20,474)

URTI=Upper respiratory infections; Pneu=Pneumonia; OAD=Other acute diarrhea; 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 25, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 25, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 25, 2013 (1st March 2013 to 20th June 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	43903	17.0%
Diarrheal Diseases	16028	6.2%
Suspected Malaria	3052	1.2%
Pneumonia	7886	3.1%
Others	186784	72.5%
Total (All consultations)	257653	100%

Leading Diseases by Governorate, Epiweek 25

- URTI was highest in Governorate Aden (26.27%) this week.
- Diarrheal Disease was highest in Governorate Taiz (8.53%) this week.

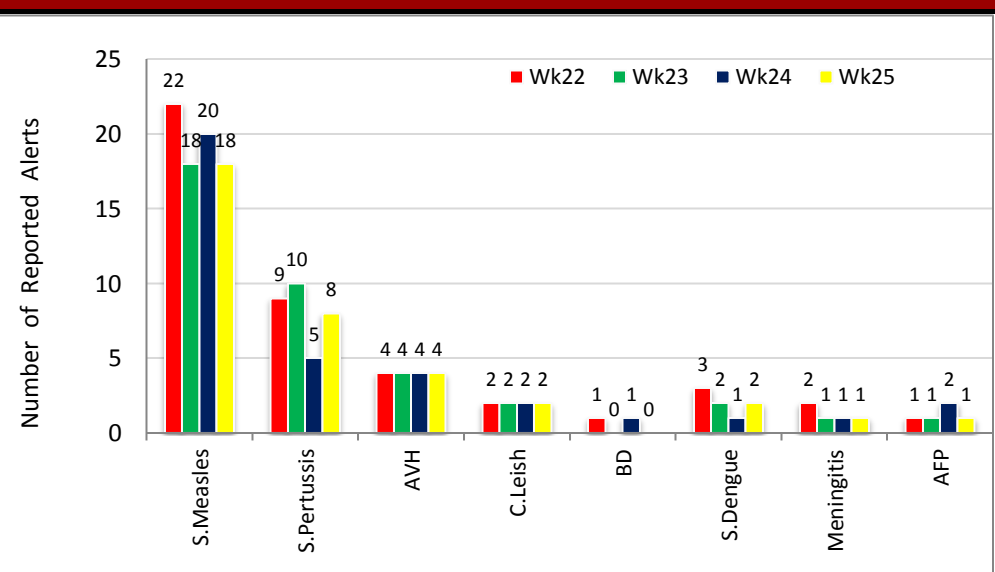
Distribution of consultations of leading diseases by Governorates, Epiweek 25

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	471	2136	458	696	3761
Pneumonia	118	227	177	96	618
Other Acute Diarrhea	256	631	57	530	1474
Bloody Diarrhea	4	4	2	50	60
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	0	0	2	5	7
Malaria	38	48	15	47	148
Meningitis	2	2	0	33	37
Dengue Fever	4	2	0	10	16
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	1	0	27	28
Measles	5	17	2	3	27
Acute Viral Hepatitis (A & E)	6	14	1	39	60
Neonatal Tetanus	0	0	0	1	1
Acute Flaccid Paralysis	0	1	0	0	1
Cutaneous Leishmaniasis	2	0	0	0	2
Diphtheria	0	0	0	0	0
Pertussis	11	3	1	2	17
OtherUn	0	6	0	0	6
Other Consultations	2683	5044	1225	5259	14211
Total Consultations	3600	8136	1940	6798	20474

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 25, 2013		System Gen. Alerts (week 25)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	89	1	8	0	8	0
Measles	280	0	18	0	18	0
AFP	12	0	1	0	1	0
Schistosomiasis	4	0	0	0	0	0
Bloody Diarrhie	10	0	0	0	0	4
AVH	44	2	4	0	4	2
Denque fever	18	0	2	0	2	0
Meningitis	18	0	1	0	1	0
CL	22	0	2	0	2	0
NNT	5	0	1	0	1	0
OAD	1	0	1	0	1	0
VHF	1	0	0	0	0	0
Pneumonia	4	0	2	0	2	0
Total	508	3	40	0	40	7

Number of Alerts Received and Responded (Epiweeks 22 and 25, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3600 patients consultations in week 25, 2013. Total 11 alerts were reported and appropriate measures were taken in week 25, 2013. Altogether 4 alerts for Measles, 3 Pertussis, 2 C. Leishmaniasis, and 1 each for AVH and Dengue Fever were reported and responded.

Aden Governorate

23 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 8136 patients consultations in week 25, 2013. Total 16 alerts were reported and appropriate measures were taken in week 25, 2013. Altogether 10 alerts for Measles, 3 Pertussis, and 1 each for Acute Flaccid Paralysis, Pneumonia and OAD were reported and responded.

Abyan Governorate

20 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 1940 patients consultations in week 25, 2013. Total 3 alerts were reported and appropriate measures were taken in week 25, 2013. Altogether 2 alerts for Measles and 1 alert for Pertussis were reported and responded.

Taiz Governorate

16 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 6798 patients consultations in week 25, 2013. Total 10 alerts were reported and appropriate measures were taken in week 25, 2013. Altogether 3 alerts for AVH, 2 Measles, and 1 each for Dengue Fever, Meningitis, Pertussis, Pneumonia and NNT were reported and responded.

Alert/Outbreaks Responded in Epi-week 25, 2013

Suspected Disease	Governorate	District	HF's	Actions Taken / Notes	Cases	Deaths
Pertussis	Lahj	Tuban, Al-Musaimer and Labaos	Al-Sharif, Al-Musaimer and Labaos HF's	SC has planned to visit the HF for further investigations and appropriate response.	11	0
Measles	Lahj	Radfan, Tuban and Al-Maflahi	Radfan, Al-What, Al-Maflahi and Al-Anad HF's	Measles focal point was contacted and information was shared; Field investigation and collected the sample and sent to sana'a for examination.	5	0
Pneumonia	Taiz	Al Qahirah	Sweden Hospital	The death case was for 6 months male child brought to hospital on 17/06/2013 C/O fever, sever cough, difficulty in breathing and cyanosis, he died in the same day, the other case was for 16 months female child, brought to hospital on 16/06/2013 C/O fever, cough and difficulty in breathing, she died 3 days later.	0	2
Pertussis	Taiz	Al Qahirah	Sweden Hospital	The suspected pertussis case(7 months M child, 2 years F child) brought to hospital C/O fever, severe cough followed by whooping or vomiting since more than 10 days, routing investigations were done(C.B.C, Chest x.ray) appropriate antibiotic was given, they improved and discharged, no vaccination history or contact information was available, the importance of recording these information and immediate notification was discussed again.	2	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted, information shared, sample was collected and sent to Lab. Results are awaited, The death meningitis case was for 14 months male child brought to hospital on 14/06/2013 C/O Fever, convulsion and neck stiffness he died 2 days later.	22	1
Measles	Taiz	Al Qahirah and Salah	Sweden and Army Hospital	District coordinator contacted, information shared, Blood samples were collected and sent to sana'a central Lab. For Lab. Confirmation.	3	0
Measles	Aden	Al Mansura, Al-Burayqah, Al-Muala, Al-Tawahi, Al-Shaikh Othman and Craiter	Al-Wali, Hashed, Al-Shaab, Al-Khaisah, Al-Muaala, Al-Wahda, Al-Maidan and Al-Tawahi HF's.	eDEWS team contact focal point, information shared, Blood samples were collected from the 9 cases and sent to sana'a central Lab. For Lab. Confirmation.	16	0
AFP	Aden	Al Mansura	Al-Wali Hosp.	eDEWS team contact with health personnel in hospital, stool samples was collected and sent to central surveillance center in Sana'a.	1	0
Pertussis	Aden	Craiter, Al-Shaukh Othman and Khur Maksar	Al-Qateea, Al-Wahda and Khur Maksar HF's.	eDEWS team contacted focal point, case was diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients.	3	0
Pneumonia	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	First death case: Female, aged 1Year and 2month. She admitted to hospital (ICU) on 15/6/2013 at 12:00pm in a shock state. The case was Down Syndrom complained of high grade fever, cough and difficulty in breathing for one week before admission. Treatment was taken. At 4:30pm the case developed central cyanosis, cold extremities and vomited coffee ground, Cardiopulmonary arrest and the case died. Final diagnosis was Sever Bronchopnumonia. Second death case: Female, aged 5years admitted to hospital on 16/6/2013 at 5:00 am. The case diagnosed as Cerebral palsy (brain atrophy) at age 1year and 6months. She complained of fever and difficulty in breathing for 2 days before admission. On examination the patient was in a shock state, highly febrile dysnic, prepheral cyanosis and course bilateral crepitaion. The case deteriorate and died in the same day. Final diagnosis Sever Bronchopnumonia with septic shock.	0	2
Pertussis	Abyan	Khanfir	Alrazi Hospital	eDEWS surveillance officer contacted focal point, case was diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients.	1	0
Measles	Abyan	Mudiyah and Khanfar	Mudiya and Gaar HF's.	eDEWS team contact focal point, information shared, Blood samples were collected from the cases and sent to sana'a central Lab. For Lab. Confirmation.	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.