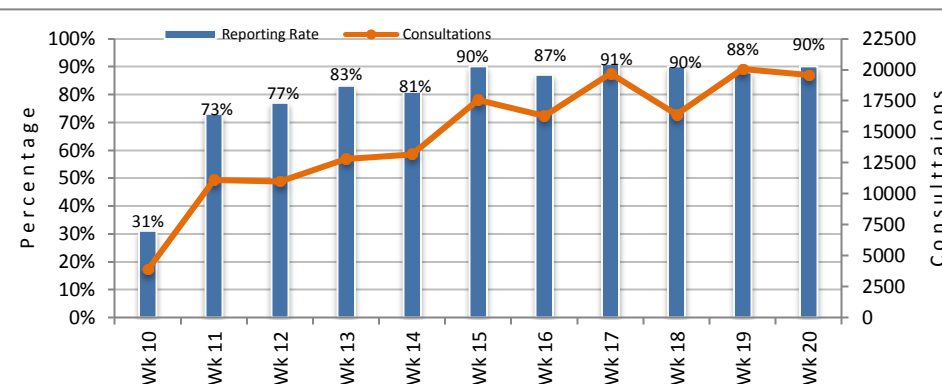


Volume 01, Issue 10, Epi week 20, 10 May - 16 May 2013

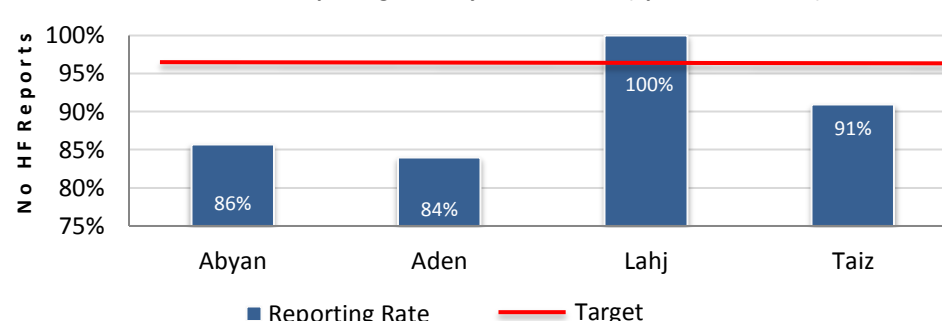
Highlights

- During week no 20, 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 19580 compared to 20061 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 48 alerts were generated by eDEWS system in week 20, 2013; Of these, 38 alerts were verified as true for further investigations with appropriate response.
- Altogether 24 alerts for Measles, 7 Pertussis, 2 each for AVH and Meningitis, and 1 each for Dengue Fever, Acute Flaccid Paralysis and C. Leishmaniasis 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 20, 2013



Distribution of Reporting Rates by Governorates (Epi-week 20, 2013)



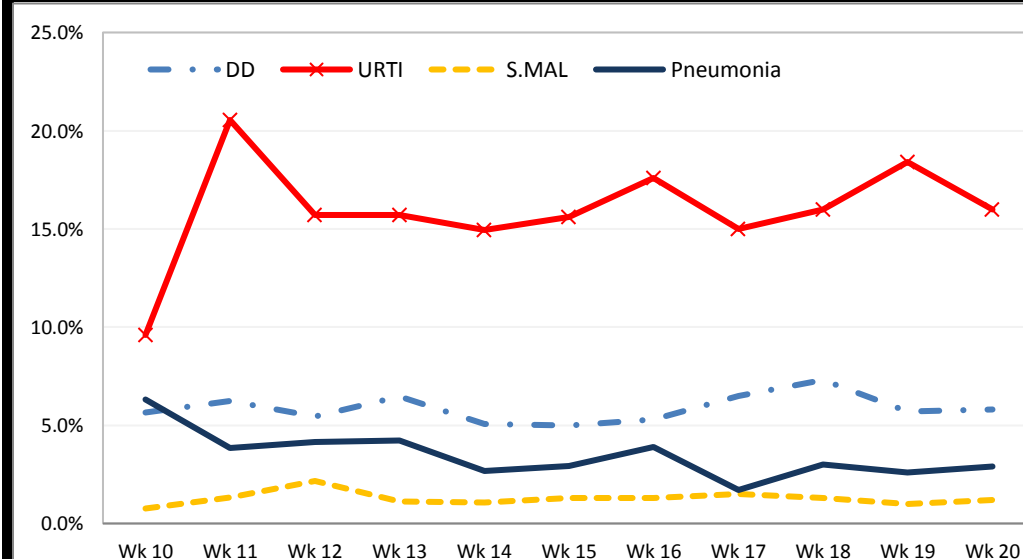
Leading Priority Diseases - Pilot Governorates (Epi-week 20, 2013)

- URTI (15.9%), suspected malaria (1.2%), OAD (5.5%) and Pneumonia (2.9%) remain the leading causes of morbidity representing a total of 25.5%.
- Acute viral hepatitis, acute watery diarrhea and Schistosomiasis represented less than 1% of total morbidity in reporting period. Bloody diarrhea represented 0.2% of this morbidity.
- All diarrheal disease comprised 5.8% and Pneumonia 2.9% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 2.9% and Pneumonia 1.7% of total morbidity in the <5 years age group.

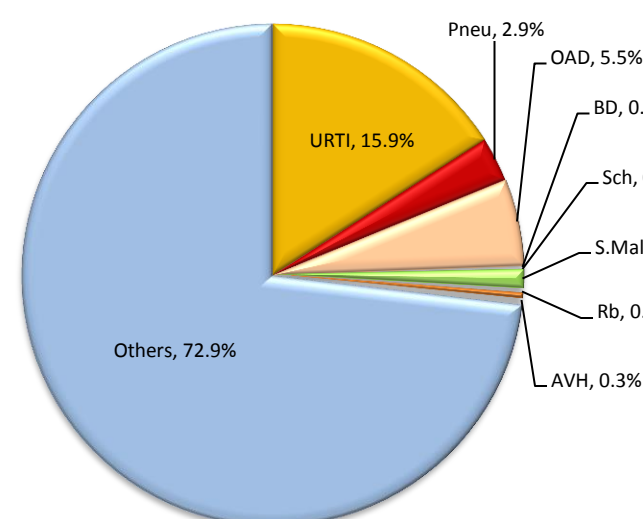
32 districts from 4 Governorates reported to eDEWS in week 20, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 20, 2013



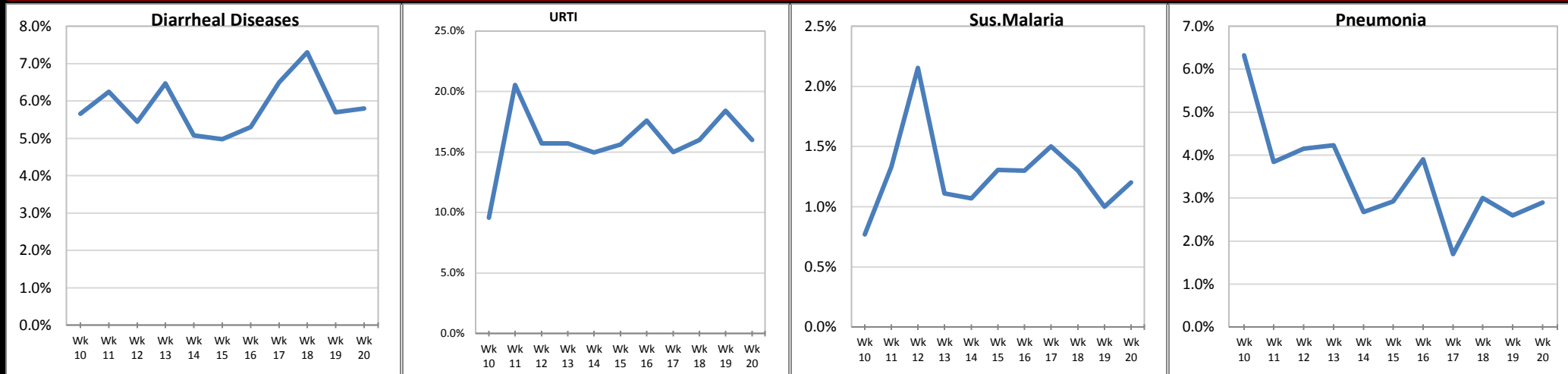
Proportional Morbidity for Leading Priority Diseases - Epiweek 20, 2013



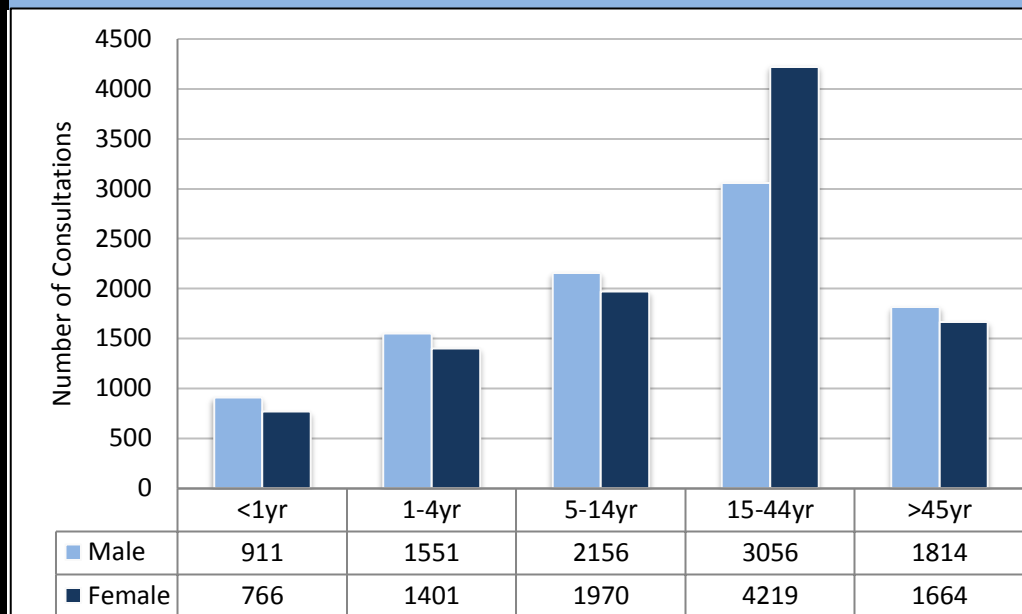
Cases (n=19,580)

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 20, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 20, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 20, 2013 (1st March 2013 to 16th May 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	26333	16.3%
Diarrheal Diseases	9482	5.9%
Suspected Malaria	2070	1.3%
Pneumonia	5084	3.1%
Others	118581	73.4%
Total (All consultations)	161550	100%

Leading Diseases by Governorate, Epiweek 20

- URTI was highest in Governorate Abyan (22.43%) this week.
- Diarrheal Disease was highest in Governorate Lahj (6.16%) this week.

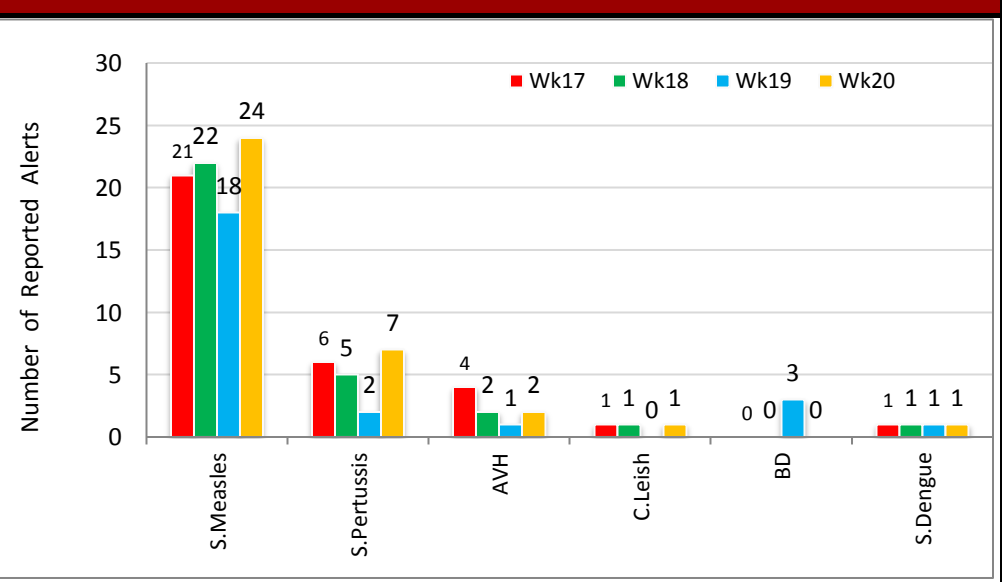
Distribution of consultations of leading diseases by Governorates, Epiweek 20

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	490	1571	329	727	3117
Pneumonia	88	144	126	202	560
Other Acute Diarrhea	219	440	75	352	1086
Bloody Diarrhea	3	2	7	32	44
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	0	0	0	7	7
Malaria	31	138	17	43	229
Meningitis	0	6	0	19	25
Dengue Fever	2	0	0	3	5
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	1	0	1	25	27
Measles	31	27	0	11	69
Acute Viral Hepatitis (A & E)	5	11	0	35	51
Neonatal Tetanus	0	0	0	0	0
Acute Flaccid Paralysis	0	0	0	1	1
Cutaneous Leishmaniasis	1	0	0	0	1
Diphtheria	0	0	0	0	0
Pertussis	12	1	2	2	17
OtherUn	0	0	12	60	72
Other Consultations	2721	4849	910	5789	14269
Total Consultations	3604	7189	1479	7308	19580

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 20, 2013		System Gen. Alerts (week 20)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	50	1	7	0	7	0
Measles	181	0	24	0	24	2
AFP	6	0	1	0	1	0
Diphtheria	0	0	0	0	0	0
Bloody Diarrhie	7	0	0	0	0	5
AVH	24	2	2	0	2	2
Denque fever	9	0	1	0	1	0
Meningitis	11	0	2	0	2	0
CL	13	0	1	0	1	0
NNT	1	0	0	0	0	0
OAD	1	0	0	0	0	0
VHF	0	0	0	0	0	0
Pneumonia	2	0	0	0	0	0
Toatl	305	3	38	0	38	10

Number of Alerts Received and Responded (Epiweeks 17 and 20, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3604 patients consultations in week 20, 2013. Total 18 alerts were reported and appropriate measures were taken in week 20, 2013. Altogether 12 alerts for Measles, 5 Pertussis and 1 C. Leishmaniasis were reported and responded.

Aden Governorate

21 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 7189 patients consultations in week 20, 2013. Total 10 alerts were reported and appropriate measures were taken in week 20, 2013. Altogether 8 alerts for Measles and 1 each for Dengue Fever and Meningitis were reported and responded.

Abyan Governorate

18 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 1479 patients consultations in week 20, 2013. Only one alert for Pertussis was reported and appropriate measures were taken in week 20, 2013.

Taiz Governorate

20 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 7308 patients consultations in week 20, 2013. Total 9 alerts were reported and appropriate measures were taken in week 20, 2013. Altogether 4 alerts for Measles, 2 AVH and 1 each for Dengue Fever, Meningitis and Acute Flaccid Paralysis were reported and responded.

Alert/Outbreaks Responded in Epi-week 20, 2013

Suspected Disease	Governorate	District	HF's	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Tuban, Radfan, Al-Maflahy, Yahar, Al-Qabyatah, Al-Hawtah, Laboas, AlHad, Al-Musaimir and Al-Milah	Al-Feyoush, Radfan, Al-Maflahy, Al-What, Yahar, Karish, MCH, Laboas, Al-Had, Al-Musaimir, Ibn Khaldoon and Al-Milah HF's	Measles focal point was contacted and information was shared; Field investigation done, Samples were collected and sent it to central Lab. Sana'a for Lab. confirmation.	31	0
Pertussis	Lahj	Laboas, Radfan, Al-Hawtah and Tuban	Laboas, Radfan, Jiblah, Ibn /khaldoon and Al-Sharif	SC has planned to visit the HF for further investigations and community health education about immunization.	12	0
CL	Lahj	Laboas	Laboas Hospital	The cases confirmed to be CL and treated appropriately	1	0
Measles	Aden	Dar Saad	Dar Saad MCH	eDEWS surveillance officer visited the HF, for investigation, Sample were collected and sent to central Lab. for Lab. Confirmation.	12	0
Meningitis	Aden	Al-Shiakh Othman	Al-Wahdah Hosp	eDEWS surveillance officer visited the hospital on Sunday, The 6 cases admitted through casualty as suspected meningitis, but only one case at isolation department was confirmed, Case management was reinforced, Information shared with Directors of Health.	6	0
pertussis	Aden	Al-Shiakh Othman	Al-Wahdah Hosp	Case was referred from Yafe, Lahj, 50 days old, Male child visited HF with complain of cough for 5days followed by vomiting and facial congestion and difficulty in breathing. The case diagnosed and treated by pediatric specialist as pertussis with broncopnumonia. No samples was collected for confirmation. Patient was treated appropriately.	1	0
Pertussis	Abyan	Khanfir	Al-Razi Hosp	The cases registered without address. S.Officer shared with doctors the importance of address of cases to complete the field investigation.	2	0
DF	Taiz	Al-Mudafar	Al-Hikma Hosp	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	3	0
AVH	Taiz	Al-Mudafar	Al-Hikma Hosp	Investigation results were positive for 4 cases(HAV) , patients were from different areas in Tiaz.	11	0
Meningitis	Taiz	Al-Qahirah	Al-Sweden	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	16	0
Measles	Taiz	Al-Qahirah, Salah	Al-Sweden, 26th of September, Al-Wahda and Al-Safwah	District coordinator contacted, information shared, sample was collected and sent to central lab. In Sanaa.	11	0
AVH	Taiz	Al-Qahirah	Al-Sweden	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	14	0
AFP	Taiz	Al-Qahirah	Al-Sweden	The suspected AFP case was 9 years femal child from Altaziah , admitted to the Hospital 10 days ago (CVA and Meningitis) , and she had Raight Hemiplegia , stool sample was taken and sent to Lab.	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.