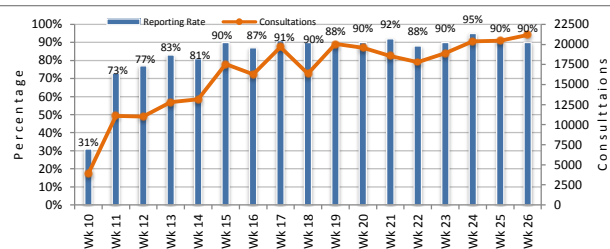


Volume 01, Issue 16, Epi week 26, 21 June - 27 June 2013

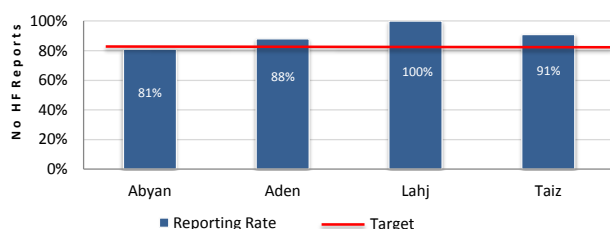
Highlights

- During week no 26, 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 21190 compared to 20474 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 33 alerts were generated by eDEWS system in week 26, 2013; Of these, 31 alerts were verified as true for further investigations with appropriate response.
- Altogether 18 alerts for Measles, 5 Pertussis, 3 AVH, 2 each for Dengue Fever, C. Leishmaniasis, and 1 for Meningitis 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 26, 2013



Distribution of Reporting Rates by Governorates (Epi-week 26, 2013)



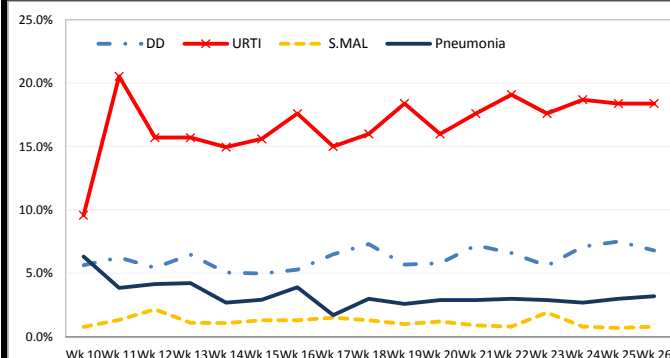
Leading Priority Diseases - Pilot Governorates (Epi-week 26, 2013)

- URTI (18.4%), suspected malaria (0.8%), OAD (6.6%) and Pneumonia (3.2%) remain the leading causes of morbidity representing a total of 29%.
- 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 6.8% and Pneumonia 3.2% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3.47% and Pneumonia 1.66% of total morbidity in the <5 years age group.

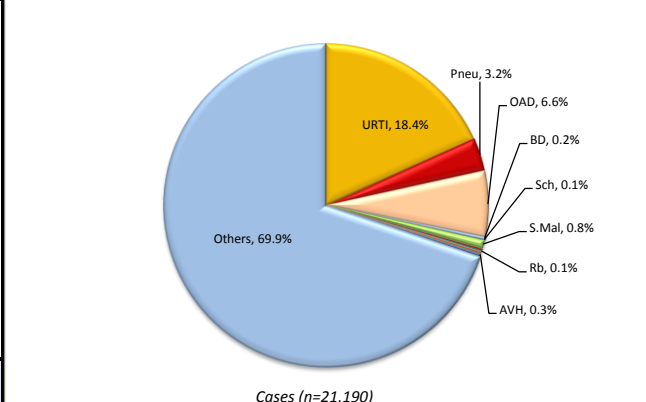
32 districts from 4 Governorates reported to eDEWS in week 26, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 26, 2013

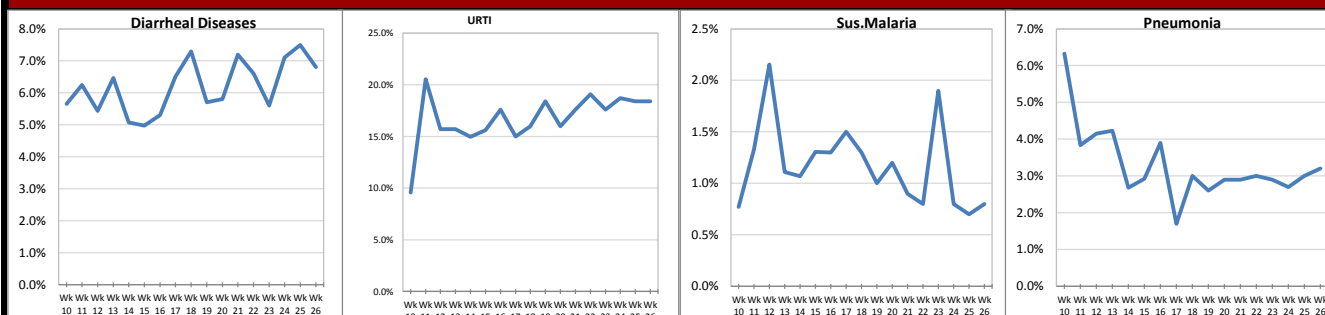


Proportional Morbidity for Leading Priority Diseases - Epiweek 26, 2013

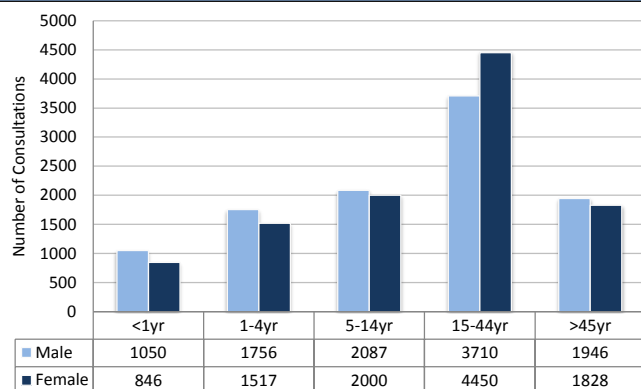


URTI=Upper respiratory infections; Pneu=Pneumonia; OAD=Other acute diarrhea; BD= Bloody diarrhea; AWD=Acute Watery Diarrhea; Sch=Schistosomiasis; Mal=Malaria; Rb=Rabies; AVH=Acute viral hepatitis; Meng=Meningitis; DF=Dengue fever; VHF=Viral hemorrhagic fever; Meas=Measles; CL=Cutaneous Leishmaniasis;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

Weekly trends of Diarrheal Diseases, Upper Respiratory infections, Suspected Malaria and Pneumonia (Epi week 10 to 26, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 26, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 26, 2013 (1st March 2013 to 27th June 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	47792	17.1%
Diarrheal Diseases	17467	6.3%
Suspected Malaria	3229	1.2%
Pneumonia	8568	3.1%
Others	201787	72.4%
Total (All consultations)	278843	100%

Leading Diseases by Governorate, Epiweek 26

- URTI was highest in Governorate Aden (27.31%) this week.
- Diarrheal Disease was highest in Governorate Aden (7.95%) this week.

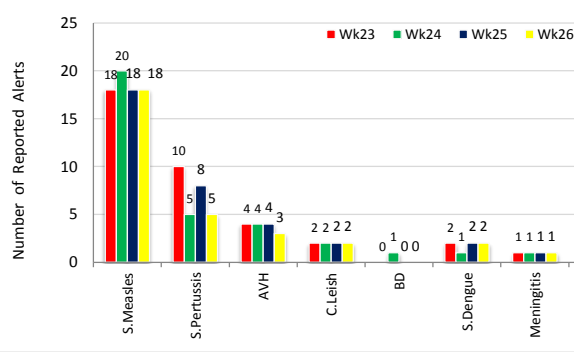
Distribution of consultations of leading diseases by Governorates, Epiweek 26

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	508	2044	513	824	3889
Pneumonia	121	194	207	160	682
Other Acute Diarrhea	233	595	95	476	1399
Bloody Diarrhea	10	0	1	29	40
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	1	3	1	9	14
Malaria	24	57	40	56	177
Meningitis	0	7	0	34	41
Dengue Fever	6	1	0	2	9
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	1	0	18	19
Measles	5	23	3	5	36
Acute Viral Hepatitis (A & E)	12	4	0	45	61
Neonatal Tetanus	0	0	0	1	1
Acute Flaccid Paralysis	0	0	0	0	0
Cutaneous Leishmaniasis	2	1	0	0	3
Diphtheria	0	0	0	0	0
Pertussis	3	5	4	0	12
OtherUn	0	0	4	0	4
Other Consultations	2845	4549	1442	5967	14803
Total Consultations	3770	7484	2310	7626	21190

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 26, 2013		System Gen. Alerts (week 26)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	94	1	5	0	5	0
Measles	298	0	18	0	18	0
AFP	12	0	0	0	0	0
Schistosomiasis	4	0	0	0	0	0
Bloody Diarrhie	10	0	0	0	0	1
AVH	47	2	3	0	3	0
Denque fever	20	0	2	0	2	0
Meningitis	19	0	1	0	1	0
CL	24	0	2	0	2	0
NNT	5	0	0	0	0	0
OAD	1	0	0	0	0	0
VHF	1	0	0	0	0	0
Pneumonia	4	0	0	0	0	0
Total	539	3	31	0	31	2

Number of Alerts Received and Responded (Epiweeks 23 and 26, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3770 patients consultations in week 26, 2013. Total 10 alerts were reported and appropriate measures were taken in week 26, 2013. Altogether 5 alerts for Measles, 2 AVH, 2 for each C. Leishmaniasis, Dengue Fever, and 1 Pertussis were reported and responded.

Aden Governorate

22 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 7484 patients consultations in week 26, 2013. Total 13 alerts were reported and appropriate measures were taken in week 26, 2013. Altogether 8 alerts for Measles, 2 Pertussis, and 1 each for C. Leishmaniasis, Dengue Fever and Meningitis were reported and responded.

Abyan Governorate

17 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 2310 patients consultations in week 26, 2013. Total 4 alerts were reported and appropriate measures were taken in week 26, 2013. Altogether 2 alerts for Measles and 2 alert for Pertussis were reported and responded.

Taiz Governorate

20 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 7626 patients consultations in week 26, 2013. Total 4 alerts were reported and appropriate measures were taken in week 26, 2013. Altogether 3 alerts for Measles and 1 for AVH were reported and responded.

Alert/Outbreaks Responded in Epi-week 26, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Al-Had, Tuban, Tur Al-Baha and Al-Hawatah	Al-Had, Al-What, Tur Al-Baha, Al-Fiosh and Ibn Khaldoon HFs.	Measles focal point was contacted and information was shared; Field investigation and Blood samples were collected from 4 Cases and sent to sana'a central Lab. For Lab. Confirmation.	5	0
Pertussis	Lahj	Labaos	Labaos Hospital	SC has planned to visit the HF for further investigations and appropriate response.	3	0
AVH	Lahj	A-Had	Al-Had Hospital	The cases confirmed to be AVH and treated appropriately	3	0
DF	Lahj	Tuban	Sabar HC	District coordinator contacted, information shared, sample was collected and sent to lab., results are awaited.	6	0
AVH	Lahj	Labaos	Labaos Hospital	The cases confirmed to be AVH and treated appropriately	4	0
CL	Lahj	Tur Al-Baha	Tur Al-Baha Hospital	The cases confirmed to be CL and treated appropriately	2	0
Pertussis	Aden	Craiter and Ash Shaikh Outhman	Al-Qateea and Al-Wahdah HFs.	eDEWS team contacted focal point, case was diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients.	5	0
Measles	Aden	Al Mualla, Al-Mansura, Al-Buriaqah, Dar Saad, Craiter and Al-Twahi	Al-muala, Al-Wali, Al-Heswah, Al-Shaab, Dar Saad MCH, Al-Maidan and Al-Twahi HFs.	eDEWS team contact focal point, information shared, Blood samples were collected from the 16 cases and sent to sana'a central Lab. For Lab. Confirmation.	22	0
Meningitis	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	The cases diagnosed and admitted to hospital through casualty. Investigation and treatment was done.	6	0
CL	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	The cases confirmed to be CL and treated appropriately	1	0
Pertussis	Abyan	Khanfir	Alharor HU and Alrazi Hospital	eDEWS team contacted focal point, case was diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients.	4	0
Measles	Abyan	Mudiyah	Mudiya Hosp.	eDEWS team contact focal point, information shared, Blood samples were collected from the cases and sent to sana'a central Lab. For Lab. Confirmation.	2	0
AVH	Taiz	Al Mudhaffar	Alhikma Hospital	District coordinator contacted, information shared, sample was collected and sent to Lab. Results are awaited.	13	0
Measles	Taiz	At Taiziyah, Salah and Al-Mukha	22 May Hospital, Al-Kendy and Mukha Hospital.	District coordinator contacted, information shared, S.C was contacted and told us that he will collect the samples and send it to the Central Lab. In Sanaa (sample wasn't sent yet).	5	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.