

Volume 01, Issue 22, Epi week 32, 2 Aug. - 8 Aug. 2013

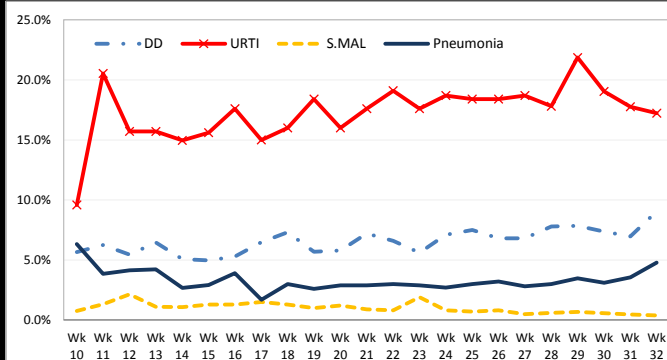
Highlights

- During week no 32, 2013; 72% (67/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 8383 compared to 14593 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 11 alerts were generated by eDEWS system in week 32, 2013; Of these, 7 alerts were verified as true for further investigations with appropriate response.
- Altogether 2 alerts each for Measles, AVH, and 1 each for Pertussis, Dengue Fever and 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.

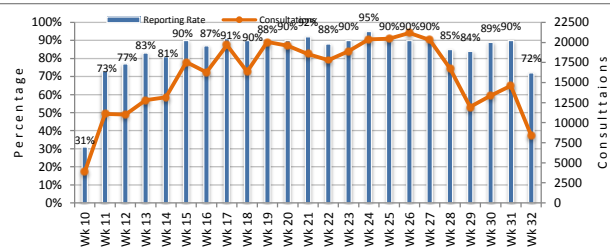
Leading Priority Diseases - Pilot Governorates (Epi-week 32, 2013)

- URTI (17.2%), suspected malaria (0.4%), OAD (9%) and Pneumonia (4.8%) remain the leading causes of morbidity representing a total of 31.4%.
- Acute viral hepatitis, acute watery diarrhea and Schistosomiasis represented less than 1% of total morbidity in reporting period. Bloody diarrhea represented 0.1% of this morbidity.
- All diarrheal disease comprised 9.1% and Pneumonia 4.8% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 4.47% and Pneumonia 2.1% of total morbidity in the <5 years age group.

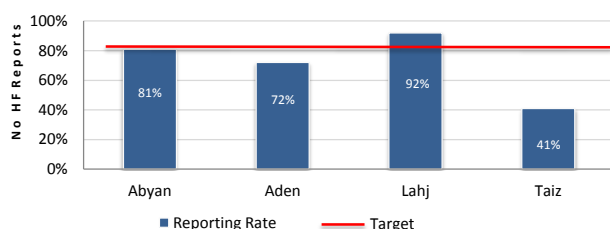
Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 32, 2013



eDEWS Reporting Rates vs Consultations in Pilot Governorates, Epi weeks 10 to 32, 2013



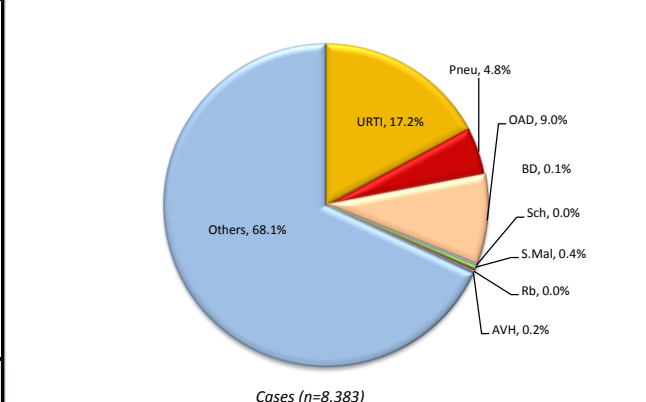
Distribution of Reporting Rates by Governorates (Epi-week 32, 2013)



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

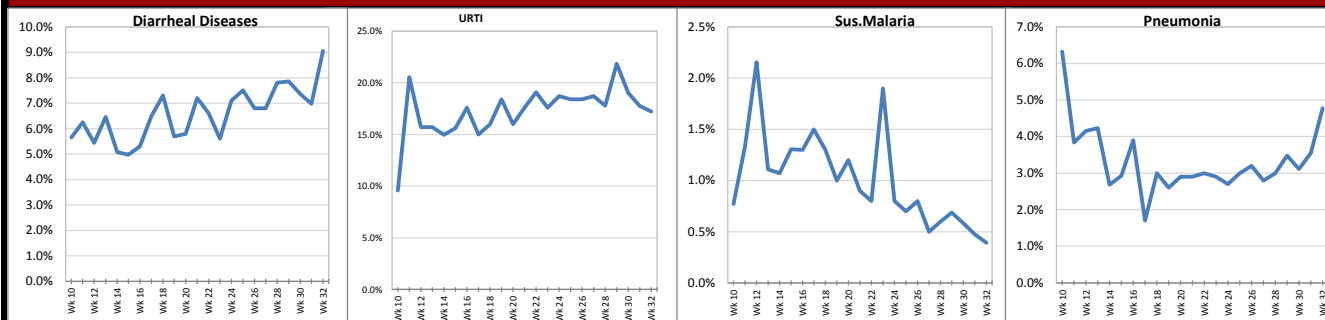


Proportional Morbidity for Leading Priority Diseases - Epiweek 32, 2013

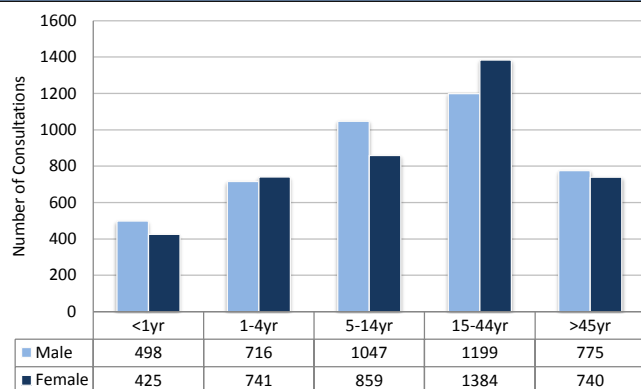


URTI=Upper respiratory infections; Pneu=Pneumonia; OAD=Other acute diarrhea; BD= Bloody diarrhea; AWD=Acute Watery Diarrhea; Sch=Schistosomiasis; Mal=Malaria; Rb=Rabies; AVH=Acute viral hepatitis; Meng=Meningitis; DF=Dengue fever; VHF=Viral hemorrhagic fever; Meas=Measles; CL=Cutaneous Leishmaniasis;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

Weekly trends of Diarrheal Diseases, Upper Respiratory infections, Suspected Malaria and Pneumonia (Epi week 10 to 32, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 32, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 32, 2013 (1st March 2013 to 8th Aug. 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	63779	17.5%
Diarrheal Diseases	23853	6.5%
Suspected Malaria	3691	1.0%
Pneumonia	11394	3.1%
Others	261503	71.8%
Total (All consultations)	364220	100%

Leading Diseases by Governorate, Epiweek 32

- URTI was highest in Governorate Aden (22.74%) this week.
- Diarrheal Disease was highest in Governorate Aden (10.33%) this week.

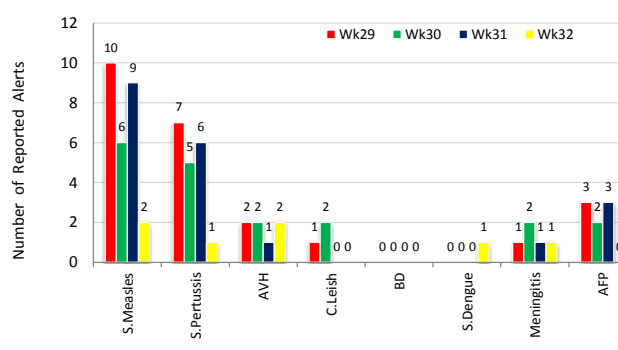
Distribution of consultations of leading diseases by Governorates, Epiweek 32

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	274	795	219	156	1444
Pneumonia	50	81	263	6	400
Other Acute Diarrhea	202	361	93	98	754
Bloody Diarrhea	3	0	1	1	5
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	0	0	1	0	1
Malaria	4	6	11	12	33
Meningitis	1	2	0	10	13
Dengue Fever	0	0	0	4	4
Viral Hemorrhagic Fever	0	0	1	0	1
Rabies	2	0	0	0	2
Measles	0	2	0	1	3
Acute Viral Hepatitis (A & E)	3	2	0	8	13
Neonatal Tetanus	0	0	0	0	0
Acute Flaccid Paralysis	0	0	1	0	1
Cutaneous Leishmaniasis	0	0	0	0	0
Diphtheria	0	0	0	0	0
Pertussis	0	0	3	0	3
OtherUn	0	0	0	0	0
Other Consultations	1455	2247	1030	974	5706
Total Consultations	1994	3496	1623	1270	8383

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 32, 2013		System Gen. Alerts (week 32)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	0
Pertussis	124	1	1	0	1	1
Measles	347	0	2	0	2	1
AFP	25	0	0	0	0	1
Schistosomiasis	4	0	0	0	0	0
Bloody Diarrhea	10	0	0	0	0	0
AVH	60	2	2	0	2	0
Dengue fever	22	0	1	0	1	0
Meningitis	28	0	1	0	1	0
CL	29	0	0	0	0	0
NNT	9	0	0	0	0	0
OAD	3	0	0	0	0	0
VHF	1	0	0	0	0	1
Pneumonia	7	0	0	0	0	0
Total	669	3	7	0	7	4

Number of Alerts Received and Responded (Epiweeks 29 and 32, 2013)



Lahj Governorate

23 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 1994 patients consultations in week 32, 2013. No alerts were reported in week 32, 2013.

Aden Governorate

18 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 3496 patients consultations in week 32, 2013. One alert was reported and appropriate measures were taken in week 32, 2013.

Abyan Governorate

17 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 1623 patients consultations in week 32, 2013. One alert was reported and appropriate measures were taken in week 32, 2013.

Taiz Governorate

9 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 1270 patients consultations in week 32, 2013. Total 5 alerts were reported and appropriate measures were taken in week 32, 2013. Altogether 2 alerts AVH, and 1 each for Measles, Dengue Fever and Meningitis were reported and responded.

Alert/Outbreaks Responded in Epi-week 32, 2013

Suspected Disease	Governorate	District	HF	Actions Taken / Notes	Cases	Deaths
Measles	Aden	Attawahi	Al-Tawahi Pol. Cl.	eDEWS team contact focal point, information shared, NO blood sample was collected from the case.	1	0
Pertussis	Abyan	Lawdar	AlAin Health Unit	eDEWS team contact focal point, cases were diagnosed clinically using case definition. Antibiotic treatment was given to the patients.	3	0
DF	Taiz	Al Mudhaffar	Alhikma Hospital	District coordinator contacted ,information shared ,samples were sent to lab.	3	0
AVH	Taiz	Al Qahirah	Labs National Center	District coordinator contacted ,information shared ,samples were sent to lab , results are awaited.	3	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted ,information shared ,samples were sent to HF lab , results are awaited.	10	0
Measles	Taiz	Al Qahirah	Sweden Hospital	District coordinator , information shared , blood samples were collected but werent sent yet to the central lab in Sanaa.	1	0
AVH	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted ,information shared ,samples were sent to HF lab , results are awaited.	4	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.