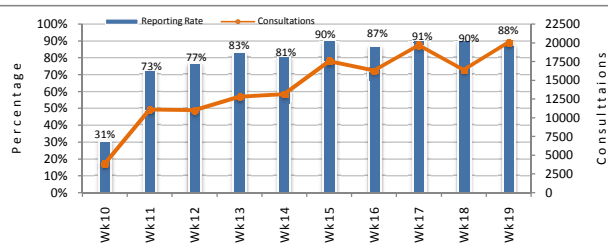


Volume 01, Issue 9, Epi week 19, 3 May - 9 May 2013

Highlights

- During week no 19, 2013; 88% (82/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 20061 compared to 16379 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 35 alerts were generated by eDEWS system in week 19, 2013; Of these, 27 alerts were verified as true for further investigations with appropriate response.
- Altogether 18 alerts of Measles, 3 Bloody Diarrhea, 2 each for Pertussis and Meningitis and 1 each for Dengue Fever and AVH 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 19, 2013



Distribution of Reporting Rates by Governorates (Epi-week 19, 2013)



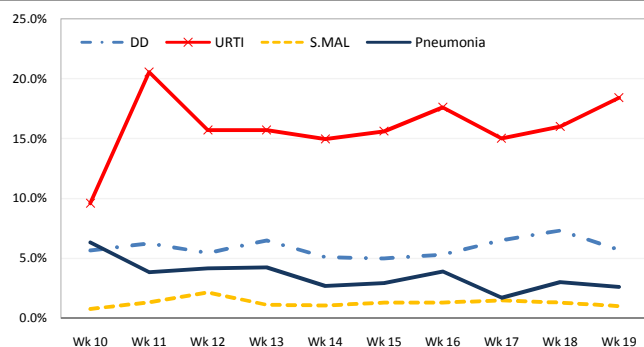
Leading Priority Diseases - Pilot Governorates (Epi-week 19, 2013)

- URTI (18.4%), suspected malaria (1%), OAD (5.5%) and Pneumonia (2.6%) remain the leading causes of morbidity representing a total of 27.5%.
- 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 5.7% and Pneumonia 2.6% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3% and Pneumonia 1.46% of total morbidity in the <5 years age group.

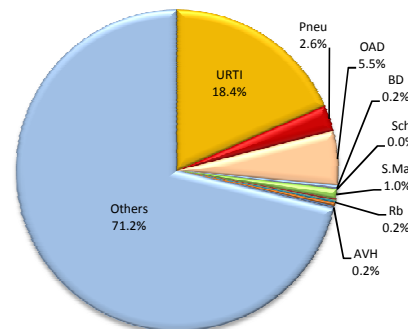
31 districts from 4 Governorates reported to eDEWS in week 19, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 19, 2013



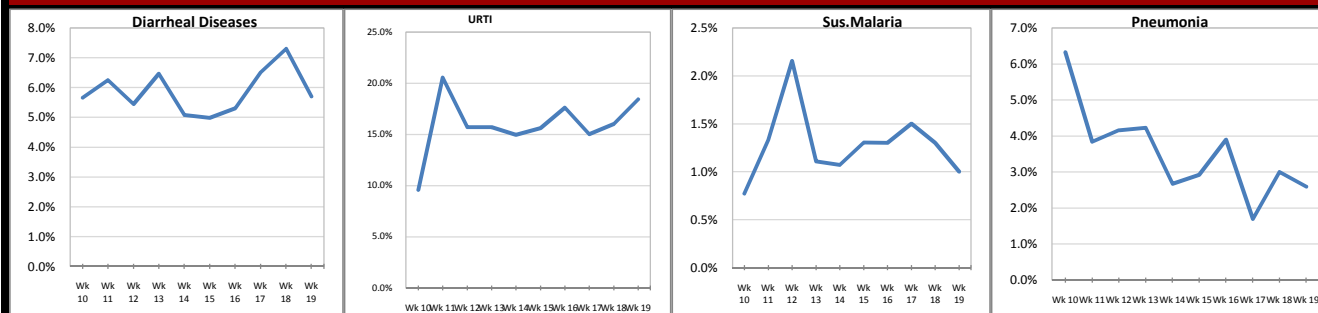
Proportional Morbidity for Leading Priority Diseases - Epiweek 19, 2013



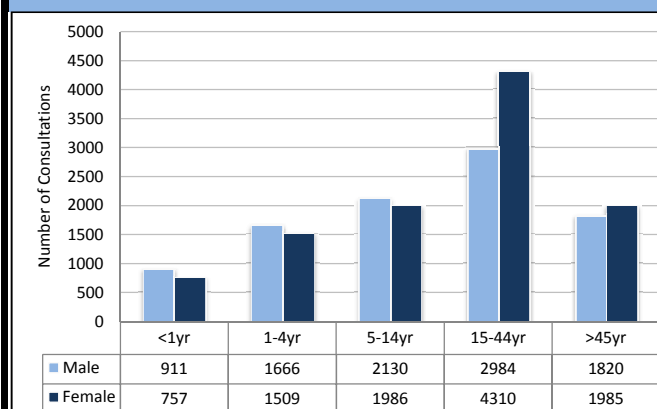
Cases (n=20,061)

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 19, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 19, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 19, 2013 (1st March 2013 to 9th May 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	23216	16.3%
Diarrheal Diseases	8352	5.9%
Suspected Malaria	1841	1.3%
Pneumonia	4524	3.2%
Total (All consultations)	142042	100%

Leading Diseases by Governorate, Epiweek 19

- URTI was highest in Governorate Aden (27.78%) this week.
- Diarrheal Disease was highest in Governorate Aden (7.12%) this week.

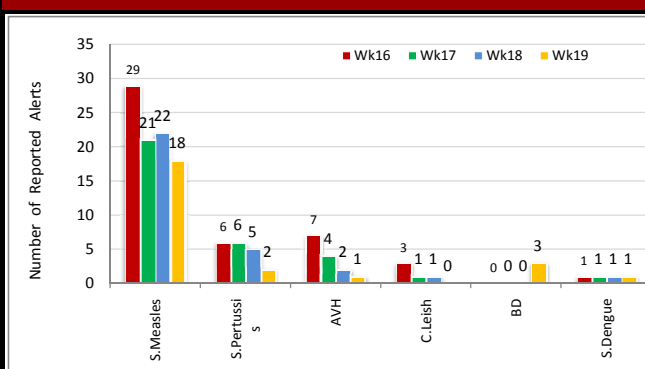
Distribution of consultations of leading diseases by Governorates, Epiweek 19

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	565	2201	289	637	3692
Pneumonia	133	176	137	77	523
Other Acute Diarrhea	192	550	28	334	1104
Bloody Diarrhea	20	10	0	15	45
Acute Watery Diarrhea	0	4	0	0	4
Schistosomiasis	0	0	0	5	5
Malaria	27	140	15	16	198
Meningitis	0	3	0	27	30
Dengue Fever	2	2	0	4	8
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	0	1	39	40
Measles	25	32	2	9	68
Acute Viral Hepatitis (A & E)	5	12	1	20	38
Neonatal Tetanus	0	0	0	0	0
Acute Flaccid Paralysis	0	0	0	0	0
Cutaneous Leishmaniasis	0	0	0	0	0
Diphtheria	0	0	0	0	0
Pertussis	7	10	0	2	19
OtherUn	0	3	13	0	16
Other Consultations	2564	4782	908	6017	14271
Total Consultations	3540	7925	1394	7202	20061

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 19, 2013		System Gen. Alerts (week 19)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	43	1	2	0	2	1
Measles	157	0	18	0	18	3
AFP	5	0	0	0	0	0
Diphtheria	0	0	0	0	0	0
Bloody Diarrhea	7	0	3	0	3	3
AVH	22	2	1	0	1	0
Dengue fever	8	0	1	0	1	0
Meningitis	9	0	2	0	2	0
CL	12	0	0	0	0	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	267	3	27	0	27	8

Number of Alerts Received and Responded (Epiweeks 16 and 19, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3540 patients consultations in week 19, 2013. Total 15 alerts were reported and appropriate measures were taken in week 19, 2013. Altogether 10 alerts for Measles, 3 Bloody Diarrhia and 2 Pertussis were reported and responded.

Aden Governorate

25 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 7925 patients consultations in week 19, 2013. Total 6 alerts were reported and appropriate measures were taken in week 19, 2013. Whole alerts for Measles Wase reported and responded.

Abyan Governorate

13 health facilities from 3 districts in Abyan governorate reported to eDEWS with a total of 1394 patients consultations in week 19, 2013. No alerts were reported in week 19, 2013.

Taiz Governorate

19 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 7202 patients consultations in week 19, 2013. Total 6 alerts were reported and appropriate measures were taken in week 19, 2013. Altogether 2 alerts each for Measles and Meningitis and 1 each for Dengue Fever and AVH were reported and responded.

Alert/Outbreaks Responded in Epi-week 19, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Tuban, Radfan, Al-Maflahy, Yahar, Al-Qabyatah, Al-Hawtah and Halmain	Al-Feyoush, Radfan, Al-Maflahy, Al-What, Yahar, Karash, MCH, Halmain and Haran Dian HFs.	Measles focal point was contacted and information was shared; Field investigation and collected the sample from a cases and sent it to sana'a central Lab. for examination.	22	0
Pertussis	Lahj	Laboas and Radfan	Laboas and Radfan Hospital	Lahj Surveillance Coordinator, it was informed that SC will visit the HF for further investigations and community health education about immunization.	7	0
BD	Lahj	Halmian, Radfan and Al-Qabyatah	Halmian, Radfan Hospital and Karish HC	The cases confirmed to be bloody diarrhea and treated	14	0
Measles	Aden	Dar Saad	Dar Saad Pol	eDEWS surveillance officer contact focal point, case diagnosed by case definition but blood samples was not collected.	1	0
Measles	Aden	Al-Tawahi	Al-Tawahi Pol	eDEWS surveillance officer contact focal point, cases diagnosed by case definition and blood samples were collected from the two cases (Mohammed tahar, M, 9y from bendar gunaid / Mutasim sameer, M, 12y from wehdat Ameen faisal)	2	0
Measles	Aden	Cratire	Al-Miedan	cases were diagnosed and registered as german measles, no blood samples were collected (Nabiha, 8y, F / Shaeeb shady, 5y, M/ Feras, 10y, M)	3	0
Measles	Aden	Al-Muala	Al-Muala Pol	eDEWS surveillance officer contact focal point, only two cases blood samples were collected from them (Muna awad, F, 8Months from castro / Asma Adel, F, 12.8years from radfan)	4	0
Measles	Aden	Al-Mansoor	Al-wali	eDEWS surveillance officer contact focal point, cases diagnosed by case definition at caguality, No blood samples was collected from the cases.	2	0
Measles	Aden	Alburiga	AL-shaab policlinic	eDEWS surveillance officer contact focal point, the three cases diagnosed by case definition, no blood samples was collected	3	0
Measles	Taiz	Al-Mudafar	Al-Mudafar Hosp	District coordinator contacted, information shared, sample was collected and sent to central lab. In Sanaa	2	0
DF	Taiz	Al-Qahirah	Al-Tawon Hosp	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	4	0
Meningitis	Taiz	Al-Rawdah	Al-Rawdah Hosp	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	1	0
Measles	Taiz	Al-Qahirah	Al-Sweden	District coordinator contacted, information shared, sample was collected and sent to central lab. In Sanaa.	4	0
Meningitis	Taiz	Al-Qahirah	Al-Sweden	District coordinator contacted, information shared, sample was collected and sent to central lab. In Sanaa	26	0
AVH	Taiz	Al-Qahirah	Al-Sweden	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	12	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.