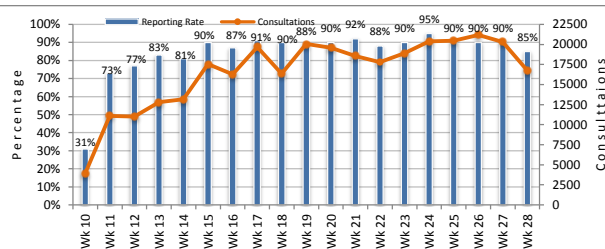


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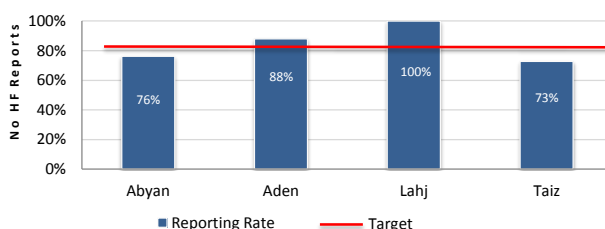
Highlights

- During week no 28, 2013; 85% (79/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 16749 compared to 20318 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 25 alerts were generated by eDEWS system in week 28, 2013; Of these, 23 alerts were verified as true for further investigations with appropriate response.
- Altogether 9 alerts for Measles, 6 Pertussis, 3 each for AVH, Acute Flaccid Paralysis, and 1 each for Meningitis and Pneumonia and NNT 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 28, 2013



Distribution of Reporting Rates by Governorates (Epi-week 28, 2013)



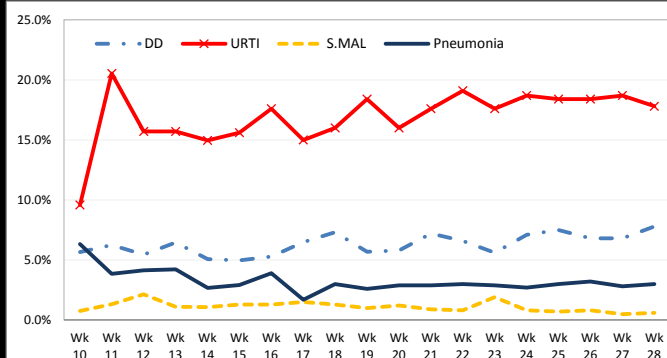
Leading Priority Diseases - Pilot Governorates (Epi-week 28, 2013)

- URTI (17.8%), suspected malaria (0.6%), OAD (7.6%) and Pneumonia (3%) 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 7.8% and Pneumonia 3% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3.85% and Pneumonia 1.49% of total morbidity in the <5 years age group.

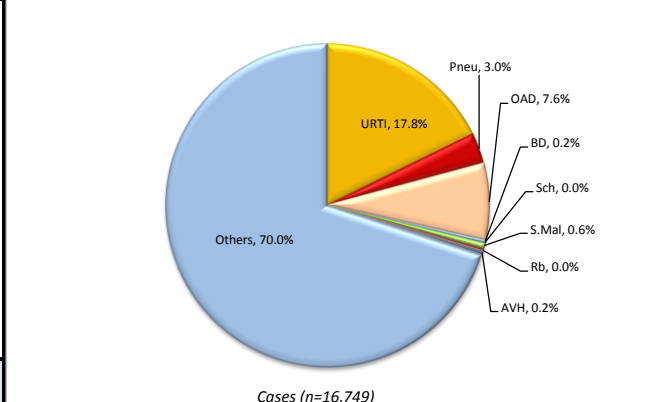
32 districts from 4 Governorates reported to eDEWS in week 28, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 28, 2013



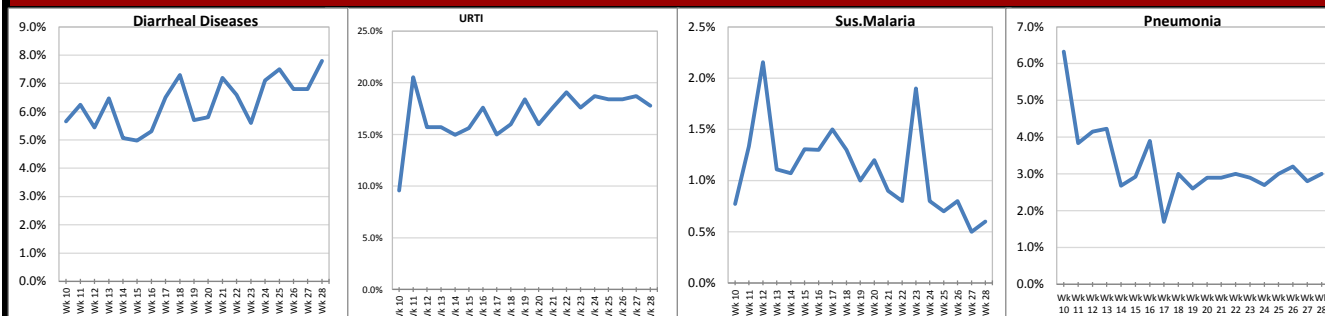
Proportional Morbidity for Leading Priority Diseases - Epiweek 28, 2013



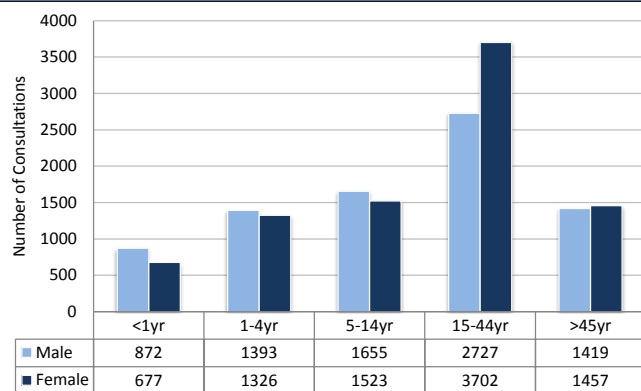
Cases (n=16,749)

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 28, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 28, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 28, 2013 (1st March 2013 to 11th July 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	54584	17.3%
Diarrheal Diseases	20151	6.4%
Suspected Malaria	3429	1.1%
Pneumonia	9644	3.1%
Others	228104	72.2%
Total (All consultations)	315912	100%

Leading Diseases by Governorate, Epiweek 28

- URTI was highest in Governorate Aden (27.79%) this week.
- Diarrheal Disease was highest in Governorate Aden (9.32%) this week.

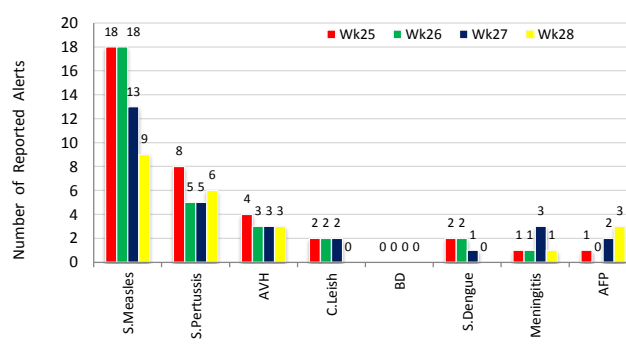
Distribution of consultations of leading diseases by Governorates, Epiweek 28

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	421	1640	393	529	2983
Pneumonia	69	193	179	68	509
Other Acute Diarrhea	239	547	82	412	1280
Bloody Diarrhea	3	3	1	25	32
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	0	0	0	4	4
Malaria	22	46	25	8	101
Meningitis	0	3	0	25	28
Dengue Fever	0	0	0	1	1
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	1	0	0	0	1
Measles	1	16	1	2	20
Acute Viral Hepatitis (A & E)	7	7	2	25	41
Neonatal Tetanus	0	0	0	0	0
Acute Flaccid Paralysis	0	1	2	0	3
Cutaneous Leishmaniasis	0	0	0	0	0
Diphtheria	0	0	0	0	0
Pertussis	6	9	1	0	16
OtherUn	0	2	0	0	2
Other Consultations	2693	3432	1063	4540	11728
Total Consultations	3462	5899	1749	5639	16749

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 28, 2013		System Gen. Alerts (week 28)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	0
Pertussis	105	1	6	0	6	0
Measles	320	0	9	0	9	0
AFP	17	0	3	0	3	0
Schistosomiasis	4	0	0	0	0	0
Bloody Diarrhie	10	0	0	0	0	2
AVH	53	2	3	0	3	0
Denque fever	21	0	0	0	0	0
Meningitis	23	0	1	0	1	0
CL	26	0	0	0	0	0
NNT	6	0	0	0	0	0
OAD	1	0	0	0	0	0
VHF	1	0	0	0	0	0
Pneumonia	6	0	1	0	1	0
Total	593	3	23	0	23	2

Number of Alerts Received and Responded (Epiweeks 25 and 28, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3462 patients consultations in week 28, 2013. Total 5 alerts were reported and appropriate measures were taken in week 28, 2013. Altogether 3 alerts for Pertussis, and 1 each for Measles and AVH were reported and responded.

Aden Governorate

22 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 5899 patients consultations in week 28, 2013. Total 10 alerts were reported and appropriate measures were taken in week 28, 2013. Altogether 6 alerts for Measles, 2 Pertussis, and 1 each for Acute Flaccid Paralysis and Pneumonia were reported and responded.

Abyan Governorate

16 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 1749 patients consultations in week 28, 2013. Total 4 alerts were reported and appropriate measures were taken in week 28, 2013. Altogether 2 alerts for Acute Flaccid Paralysis, 1 each for Measles and Pertussis were reported and responded.

Taiz Governorate

16 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 5639 patients consultations in week 28, 2013. Total 4 alerts were reported and appropriate measures were taken in week 28, 2013. Altogether 2 alerts for AVH, and 1 each for Measles and Meningitis were reported and responded.

Alert/Outbreaks Responded in Epi-week 28, 2013

Suspected Disease	Governorate	District	HF's	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Tuban	Sabar HC	Measles focal point was contacted and information was shared; Field investigation and Blood sample were collected from the case and sent to sana'a central Lab. For Lab. Confirmation.	1	0
Pertussis	Lahj	Tuban, Al-Qabyatah and Labaos	Al-Waahat, Karish and Labaos HF's	SC has planned to visit the HF for further investigations and appropriate response.	6	0
AVH	Lahj	Labaos	Labaos Hospital	The cases confirmed to be AVH and treated appropriately	3	0
Measles	Aden	Al Mualla, Craiter, Ash Shaikh Outhman and Dar Saad	Al-muala, Al-Qateea, Al-Shaab, Al-Wahdah, Al-Basateen and Al-Maidan	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
Pertussis	Aden	Al Buraiqeh	Beer Ahmed MCH center	eDEWS team contacted focal point, cases was diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients. (Vaccination of patients not complete, they took only two doses)	2	0
Pneumonia	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	eDEWS surveillance officer contact focal point, the cases admitted to hospital and the cause of death was due to pneumonia. (Child, F, 20days from Abyan / M, 8M from Albasateen).	46	2
Pertussis	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	eDEWS team contacted focal point, cases was diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients in casualty, (three cases was from Lahj), the address not documented in register, eDEWS officer will visit the hospital to explain the importance of address documentation.	7	0
AFP	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	eDEWS team contacted focal point, the case was a suspected AFP, Admitted in Al-wahdah hospital, surveillance coordinator was informed, stool samples was collected and sent to central surveillance center in Sana'a for Lab confirmation. (3.9Y, M, from Yafe'a)	1	0
Measles	Abyan	Mudiyah	Mudiya Hosp.	eDEWS team contact focal point, information shared, Blood samples were collected from the case and sent to sana'a central Lab. For Lab. Confirmation.	1	0
AFP	Abyan	Mudiyah	Mudiya Hosp.	eDEWS team contacted focal point, the case was a suspected AFP, surveillance coordinator was informed, parents refused stool sample collection. eDEWS focal point still trying to collect the samples. (28Y from lahmar village)	1	0
Pertussis	Abyan	Khanfir	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 patient. (F, 6M from Zonibar)	1	0
AFP	Abyan	Khanfir	Alrazi Hospital	eDEWS team contacted focal point, the case was a suspected AFP, surveillance coordinator was informed, stool samples was collected and sent to central surveillance center in Sana'a for Lab confirmation. (M, 1.9Y from Bataise)	1	0
AVH	Taiz	Al Qahirah and Al-Qahirah	Al-Tawon and Sweden Hospitals	District coordinator contacted, information shared, sample was collected and sent to Lab. Results are awaited.	20	0
Meningitis	Taiz	Al Qahirah	Sweden Hosp.	District coordinator contacted, information shared, samples were sent to the HF lab. With negative result (No growth)	24	0
Measles	Taiz	Al Qahirah	Sweden Hosp.	District coordinator contacted, information shared, samples were collected and send them to the Central Lab. In Sana'a for Lab. Confirmation (samples werent sent yet).	2	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.