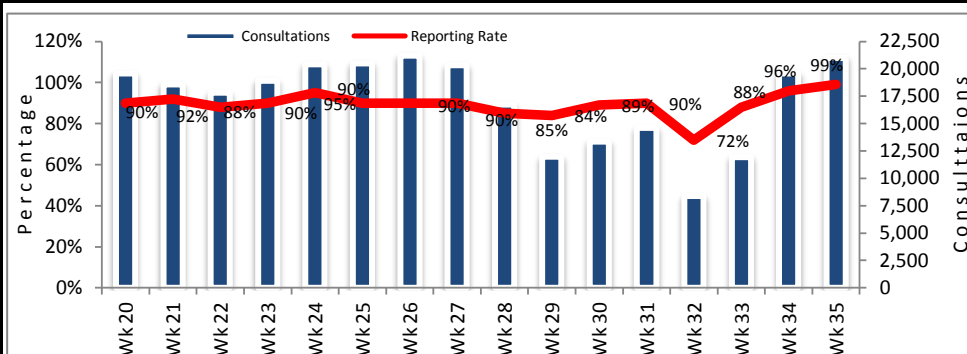


Volume 01, Issue 25, Epi week 35, 23 Aug. - 29 Aug. 2013

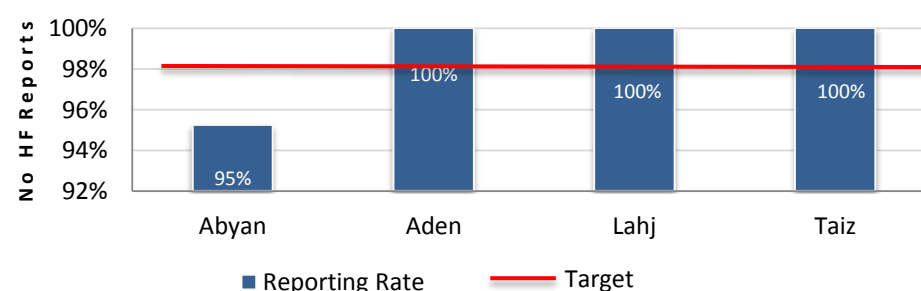
Highlights

- During week no 35, 2013; 99% (92/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 21014 compared to 19558 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 36 alerts were generated by eDEWS system in week 35, 2013; Of these, 30 alerts were verified as true for further investigations with appropriate response.
- Altogether 13 alerts Measles, 9 Petrussis, 2 each for AVH, C.Leishmaniasis, and 1 each for Meningitis, Dengue Fever, Acute Flaccid Paralysis 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 20 to 35, 2013



Distribution of Reporting Rates by Governorates (Epi-week 35, 2013)



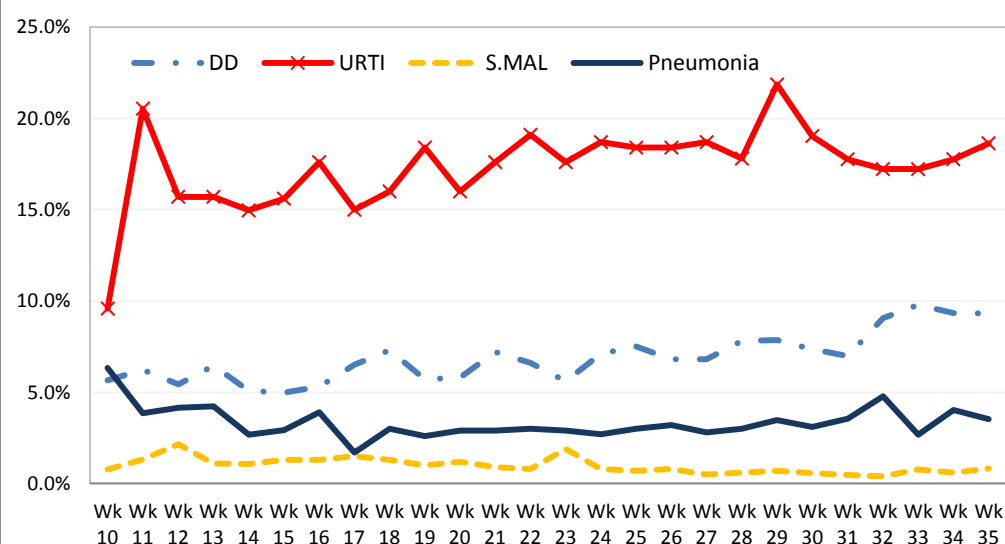
Leading Priority Diseases - Pilot Governorates (Epi-week 35, 2013)

- URTI (18.6%), suspected malaria (0.8%), OAD (9%) and Pneumonia (3.5%) remain the leading causes of morbidity representing a total of 31.9%.
- Acute viral hepatitis, acute watery diarrhea and Schistosomiasis represented less than 1% of total morbidity in reporting period. Bloody diarrhea represented 0.3% of this morbidity.
- All diarrheal disease comprised 9.3% and Pneumonia 3.5% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 4.77% and Pneumonia 1.91% of total morbidity in the <5 years age group.

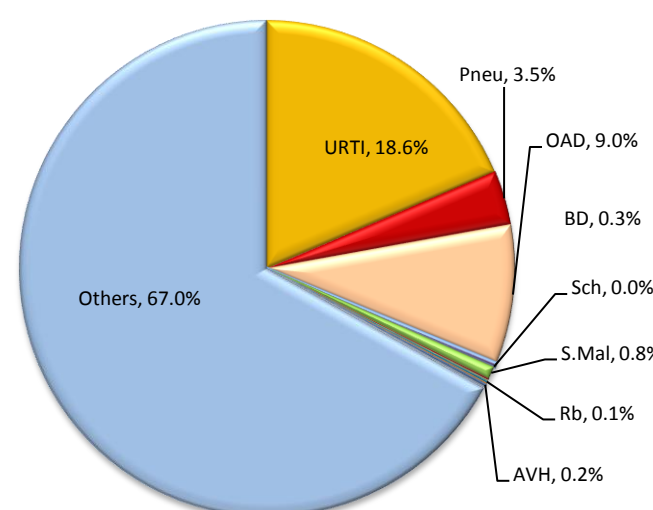
32 districts from 4 Governorates reported to eDEWS in week 35, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 35, 2013



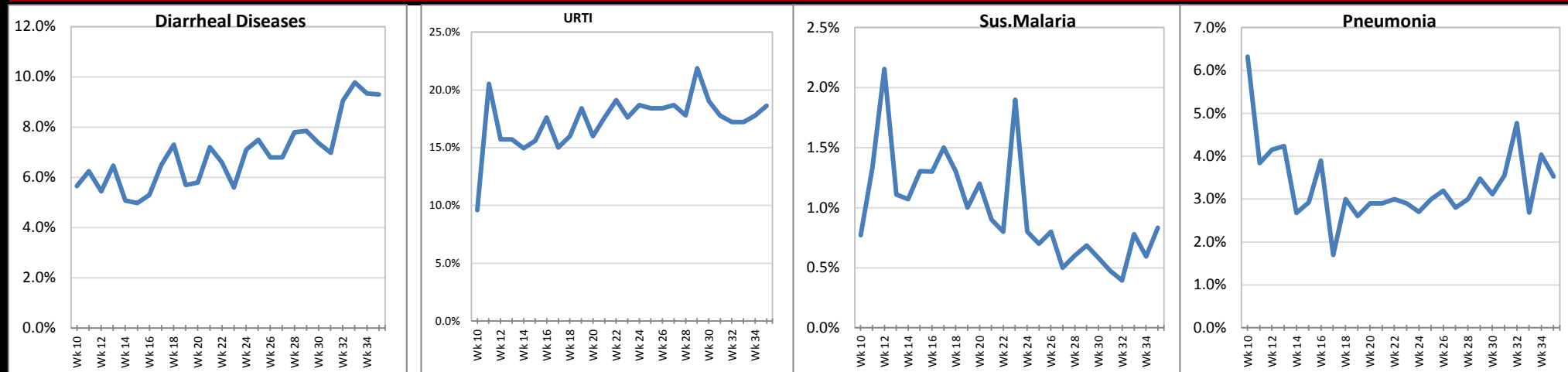
Proportional Morbidity for Leading Priority Diseases - Epiweek 35, 2013



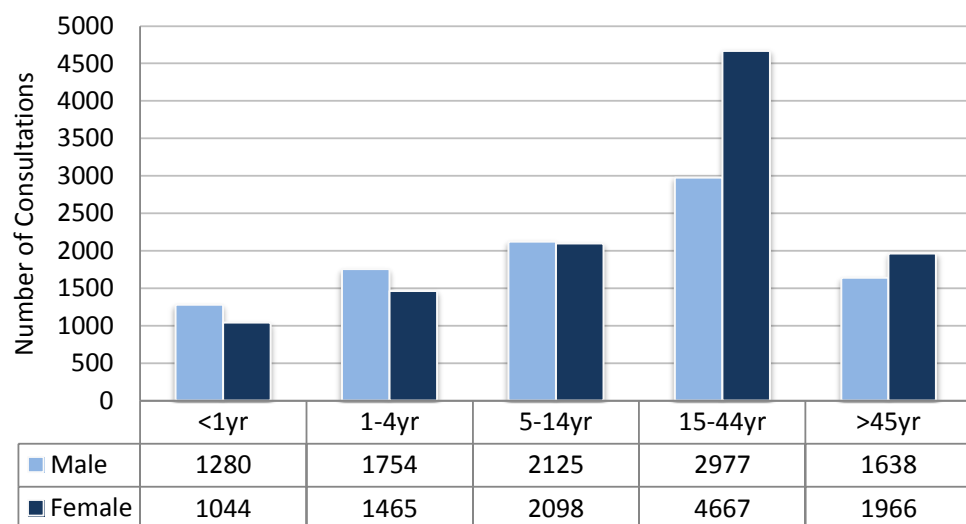
Cases (n=21,014)

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 35, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 35, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 35, 2013 (1st March 2013 to 29th Aug. 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	73201	17.6%
Diarrheal Diseases	28789	6.9%
Suspected Malaria	4074	1.0%
Pneumonia	13243	3.2%
Others	297284	71.4%
Total (All consultations)	416591	100%

Leading Diseases by Governorate, Epiweek 35

- URTI was highest in Governorate Aden (26.31%) this week.
- Diarrheal Disease was highest in Governorate Aden (10.51%) this week.

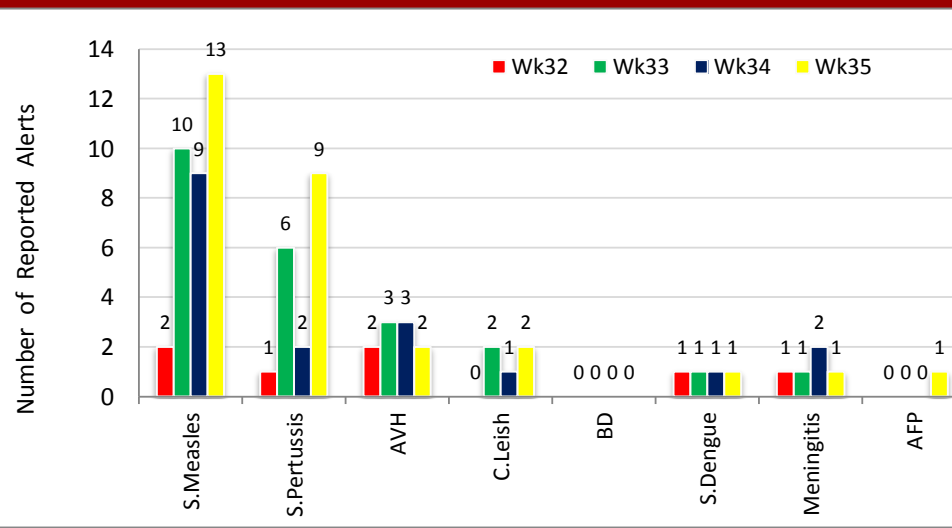
Distribution of consultations of leading diseases by Governorates, Epiweek 35

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	468	1895	521	1032	3916
Pneumonia	95	155	314	178	742
Other Acute Diarrhea	292	754	143	703	1892
Bloody Diarrhea	8	3	1	51	63
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	1	0	0	7	8
Malaria	21	31	17	106	175
Meningitis	0	3	0	20	23
Dengue Fever	0	0	0	10	10
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	2	1	0	23	26
Measles	4	11	1	0	16
Acute Viral Hepatitis (A & E)	6	8	1	25	40
Neonatal Tetanus	0	0	0	1	1
Acute Flaccid Paralysis	1	0	0	0	1
Cutaneous Leishmaniasis	2	0	0	1	3
Diphtheria	0	0	0	0	0
Pertussis	9	6	1	0	16
OtherUn	0	2	1	0	3
Other Consultations	2590	4334	1880	5275	14079
Total Consultations	3499	7203	2880	7432	21014

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 35, 2013		System Gen. Alerts (week 35)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	141	1	9	0	9	0
Measles	379	0	13	0	13	0
AFP	26	0	1	0	1	0
Schistosomiasis	6	0	0	0	0	0
Bloody Diarrhie	10	0	0	0	0	3
AVH	68	2	2	0	2	1
Denque fever	25	0	1	0	1	0
Meningitis	32	0	1	0	1	1
CL	34	0	2	0	2	0
NNT	11	0	1	0	1	0
OAD	3	0	0	0	0	0
VHF	1	0	0	0	0	0
Pneumonia	9	0	0	0	0	0
Total	745	3	30	0	30	6

Number of Alerts Received and Responded (Epiweeks 32 and 35, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3499 patients consultations in week 35, 2013. Total 12 alerts were reported and appropriate measures were taken in week 35, 2013. Altogether 6 alerts Pertussis, 4 Measles, and 1 each for C. Leishmaniasis and Acute Flaccid Paralysis were reported and responded.

Aden Governorate

25 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 7203 patients consultations in week 35, 2013. Total 10 alerts were reported and appropriate measures were taken in week 35, 2013. Altogether 8 alerts Measles and 2 Pertussis were reported and responded.

Abyan Governorate

20 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 2880 patients consultations in week 35, 2013. Total 2 alerts were reported and appropriate measures were taken in week 35, 2013. Altogether 1 alerts each for Pertussis and Measles were reported and responded.

Taiz Governorate

22 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 7432 patients consultations in week 35, 2013. Total 6 alerts were reported and appropriate measures were taken in week 35, 2013. Altogether 2 alerts AVH, and 1 each for C. Leishmaniasis, Dengue Fever, NNT and Meningitis were reported and responded.

Outbreak/Alerts Investigated and Responded in Epi-week 35, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Tuban, Al-Musaimer and Al-Maflahi	Sabar, Al-Musaimer, Al-Maflahi and Alanad HFs.	Measles focal point was contacted and information was shared; Field investigation and Blood sample were collected from the cases and sent to sana'a central Lab. For Lab. Confirmation.	4	0
Pertussis	Lahj	Al-Had, Laaos, Halimain, Radfan and Tuan	Al-Had, Labaos, Halimain, Radfan, Alwaht and Sabar HFs.	Lahj Surveillance Coordinator, it was informed that SC will visit the HF for further investigations and community health education about immunization.	9	0
AFP	Lahj	Al-Musaimer	Al-Musaimer Hospital	eDEWS team contacted focal point, the case was a suspected AFP, Came to Al-Musaimer hospital, surveillance coordinator was informed, stool sample was collected and sent to central surveillance center in Sana'a.	1	0
Pertussis	Aden	Ash Shaikh Outhman and Al-Boriqah	Al-Wahdah and Al-Shaab HFs..	eDEWS team contacted focal point, cases was diagnosed clinically using case definition by a specialist, cases admitted to isolation ward to recive treatment.	4	0
Measles	Aden	Ash Shaikh Outhman, Al-Mansura, Al-Twahi and Khor Maksar	Al-Wahdah, Al-Basateen, Kod Al-Othmani, Al-Wali, Al-Qahira, Al-Mualla, Khor Maksar and Hashed HFs.	eDEWS team contacted focal point, information shared. Blood samples were collected from 8 cases and will be sent to sana'a central Lab. For Lab. Confirmation.	11	0
Measles	Abyan	Khanfir	Al-Haror HU	eDEWS team contacted focal point, information shared, Blood sample was collected from case and sent to sana'a central Lab. For Lab. Confirmation.	1	0
Pertussis	Abyan	Lawdar	AlAin Health Unit	eDEWS team contacted focal point, case was diagnosed clinically using case definition, cases was treated as per standard protocol for Pertussis. Outreach immunization was conducted to the AlAin village last week.	1	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted, information shared , samples were sent to the HF lab. With negative result (No growth) ,	19	0
AVH	Taiz	Al Qahirah	Sweden and Al-Tawon HFs.	District coordinator contactedd , information shared , samples were sent to the HF lab. , 8 samples results were positive for Hepatitis A , pateints contact information wasn't avilable , the importance of detailed patients contact information was discussed again.	18	0
NNT	Taiz	Al Qahirah	Sweden Hospital	The suspected NNT death case aged 10 days M child brought to hospital 5 days ago (date of admission 27/08/2013) . C/O fever convulsion and inability to breast feed(sucking) , he was admitted into hospital , anti-tetanus toxoid doses , antibiotic were given , (date of death 29/08/2013).	0	1
DF	Taiz	Al Qahirah	Tawon Hospital	District cordinator contacted, information shared, sample was collected and sent to Lab . Results are awaited.	8	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.