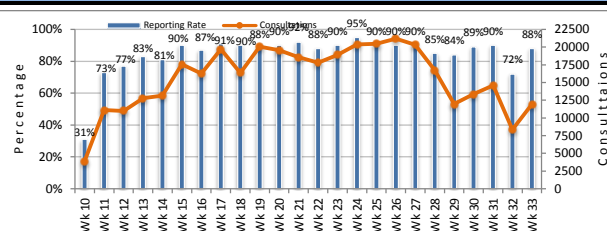


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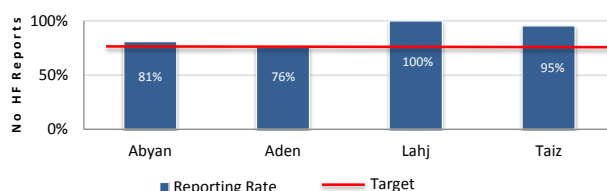
Highlights

- During week no 33, 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 11948 compared to 8383 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 28 alerts were generated by eDEWS system in week 33, 2013; Of these, 25 alerts were verified as true for further investigations with appropriate response.
- Altogether 10 alerts Measles, 6 Pertussis, 3 AVH, 2 C. Leishmaniasis, and 1 each for Dengue Fever, NNT, Pneumonia 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.

eDEWS Reporting Rates vs Consultations in Pilot Governorates, Epi weeks 10 to 33, 2013



Distribution of Reporting Rates by Governorates (Epi-week 33, 2013)



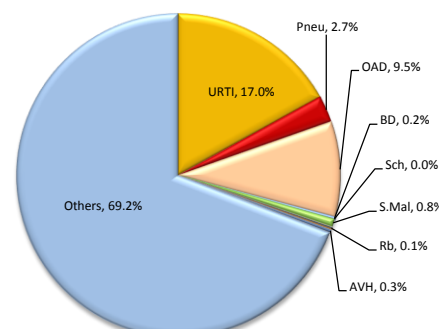
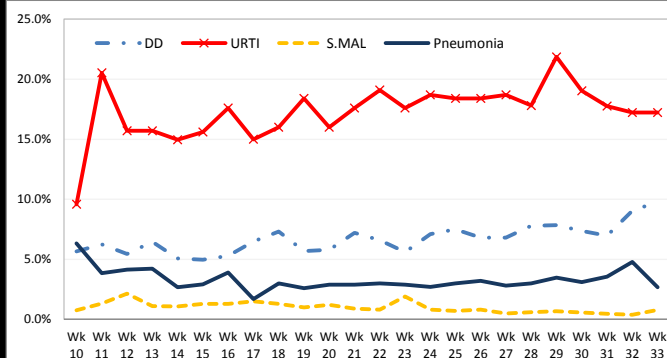
Leading Priority Diseases - Pilot Governorates (Epi-week 33, 2013)

- URTI (17.2%), suspected malaria (0.8%), OAD (9.6%) and Pneumonia (2.7%) remain the leading causes of morbidity representing a total of 30.3%.
- 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 9.8% and Pneumonia 2.7% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 4.86% and Pneumonia 1.78% of total morbidity in the <5 years age group.

32 districts from 4 Governorates reported to eDEWS in week 33, 2013



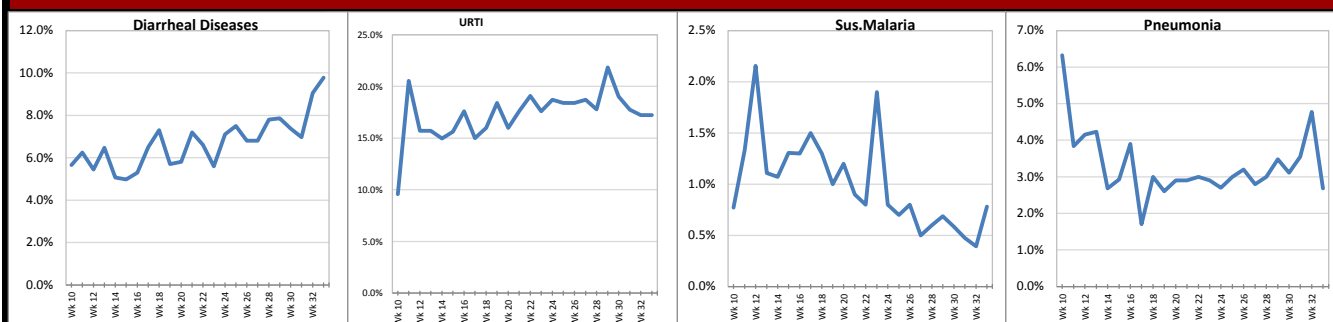
Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 33, 2013



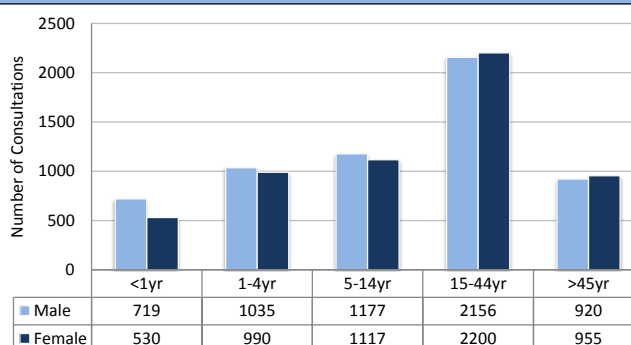
Cases (n=11,11948)

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 33, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 33, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 33, 2013 (1st March 2013 to 15th Aug. 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	65811	17.5%
Diarrheal Diseases	25007	6.7%
Suspected Malaria	3783	1.0%
Pneumonia	11711	3.1%
Others	269707	71.7%
Total (All consultations)	376019	100%

Leading Diseases by Governorate, Epiweek 33

- URTI was highest in Governorate Aden (25.17%) this week.
- Diarrheal Disease was highest in Governorate Lahj (11.75%) this week.

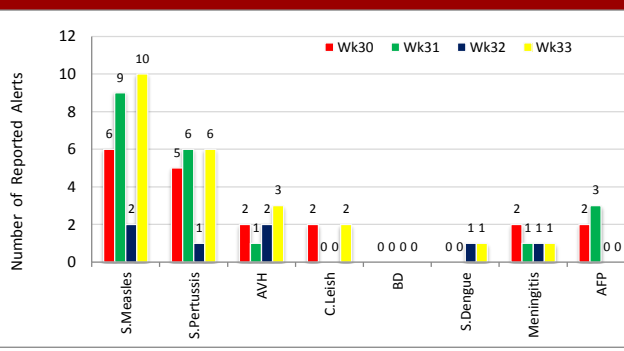
Distribution of consultations of leading diseases by Governorates, Epiweek 33

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	342	1030	181	479	2032
Pneumonia	49	138	80	50	317
Other Acute Diarrhea	285	407	86	352	1130
Bloody Diarrhea	2	2	2	18	24
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	0	0	1	0	1
Malaria	22	16	6	48	92
Meningitis	1	4	0	8	13
Dengue Fever	0	0	0	3	3
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	1	0	0	10	11
Measles	4	7	1	0	12
Acute Viral Hepatitis (A & E)	8	8	0	16	32
Neonatal Tetanus	0	0	0	0	0
Acute Flaccid Paralysis	0	0	0	0	0
Cutaneous Leishmaniasis	2	0	0	0	2
Diphtheria	0	0	0	0	0
Pertussis	3	1	4	0	8
OtherUn	0	0	0	0	0
Other Consultations	1768	2583	621	3299	8271
Total Consultations	2487	4196	982	4283	11948

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 33, 2013		System Gen. Alerts (week 33)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	0
Pertussis	130	1	6	0	6	0
Measles	357	0	10	0	10	0
AFP	25	0	0	0	0	0
Schistosomiasis	4	0	0	0	0	0
Bloody Diarrhie	10	0	0	0	0	1
AVH	63	2	3	0	3	1
Denque fever	23	0	1	0	1	0
Meningitis	29	0	1	0	1	0
CL	31	0	2	0	2	0
NNT	10	0	1	0	1	0
OAD	3	0	0	0	0	0
VHF	1	0	0	0	0	0
Pneumonia	8	0	1	0	1	1
Total	694	3	25	0	25	3

Number of Alerts Received and Responded (Epiweeks 30 and 33, 2013)



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Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 2487 patients consultations in week 33, 2013. Total 8 alerts were reported and appropriate measures were taken in week 33, 2013. Altogether 3 alerts Measles, 2 each for C. Leishmaniasis, Pertussis, and 1 AVH were reported and responded.

Aden Governorate

19 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 4196 patients consultations in week 33, 2013. Total 8 alerts were reported and appropriate measures were taken in week 33, 2013. Altogether 6 alerts Measles, and 1 each for Pertussis and NNT were reported and responded.

Abyan Governorate

17 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 982 patients consultations in week 33, 2013. Total 4 alerts were reported and appropriate measures were taken in week 33, 2013. Altogether 3 alerts Pertussis and 1 for Measles were reported and responded.

Taiz Governorate

21 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 4283 patients consultations in week 33, 2013. Total 5 alerts were reported and appropriate measures were taken in week 33, 2013. Altogether 2 alerts AVH, and 1 each for Dengue Fever, Pneumonia and Meningitis were reported and responded.

Alert/Outbreaks Responded in Epi-week 33, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Pertussis	Lahj	Labaos and Al-Maflahy	Labaos and Al-Maflahy HFs.	SC has planned to visit the HF for further investigations and appropriate response.	3	0
Measles	Lahj	Labaos, Tuban and Al-Hawtah	Labaos, Al-Feyosh and Ibn Khaldoon 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
AVH	Lahj	Radfan	Radfan Hospital	The cases confirmed to be AVH and treated appropriately	5	0
Pertusis	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	eDEWS team contacted focal point, case was diagnosed clinically using case definition. Antibiotic treatment was given to the patients.(Address not registered)	1	0
Measles	Aden	Ash Shaikh Outhman, Al Mualla, Dar Sad, Al Mansura, Craiter and Attawahi	Al-Wahdah, Al-muala, Dar Saad MCH, Al-Wali, Al-Shaab and Al-Tawahi.	eDEWS team contact focal point, information shared, Blood samples were collected from 3 cases (one sample was spoiled) and sent to sana'a central Lab. For Lab. Confirmation.	7	0
NNT	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	A fullterm male neonate aged eight days, delivered at home, referred to Al-Wahdah hospital on 13/7/2013 from lawdar hospital. On admission the neonate's umbilicus was oozing pus and there was a hypertonic spastic of both limbs and lock jaw with stimulus. Patient died on 7/8/2013.	0	1
Pertusis	Abyan	Khanfir and Lawdar	MCH Ja'ar, Alrazi and Alain HFs.	eDEWS team contacted focal point, cases were diagnosed clinically using case definition. Antibiotic treatment was given to the patients.	4	0
Measles	Abyan	Mudiyah	Mudiya Hosp.	eDEWS team contacted focal point, information shared, Blood samples were collected from case and will be sent to sana'a central Lab. For Lab. Confirmation.	1	0
DF	Taiz	Salh	Al-Kendy Hosp.	District coordinator was contacted , the cases were diagnosed clinically, No specimens were collected for specific investigation.	3	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted ,information shared ,samples were sent to lab , results are awaited.	8	0
AVH	Taiz	Al Qahirah and Al Mudhaffar	Sweden and Alhikma HFs.	District coordinator contacted ,information shared ,samples were sent to lab , with 3 positive results (Hepatitis A) , contact information weren't available.	15	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.