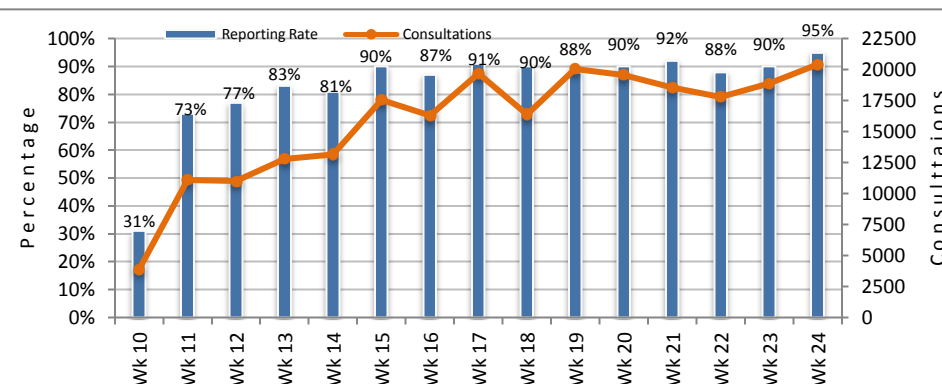


Volume 01, Issue 14, Epi week 24, 7 June - 13 June 2013

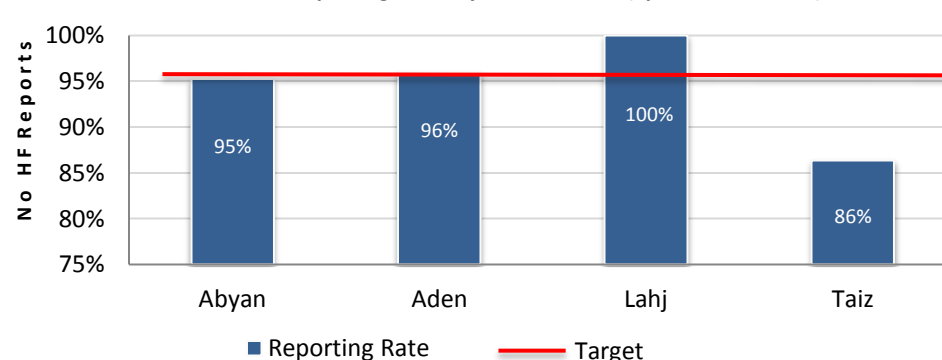
Highlights

- During week no 24, 2013; 95% (88/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 20398 compared to 18901 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 45 alerts were generated by eDEWS system in week 24, 2013; Of these, 38 alerts were verified as true for further investigations with appropriate response.
- Altogether 20 alerts for Measles, 5 Pertussis, 4 AVH, 2 each for Acute Flaccid Paralysis and C. Leishmaniasis, 1 each for Dengue Fever, Meningitis, BD, Schistosomiasis 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 24, 2013



Distribution of Reporting Rates by Governorates (Epi-week 24, 2013)



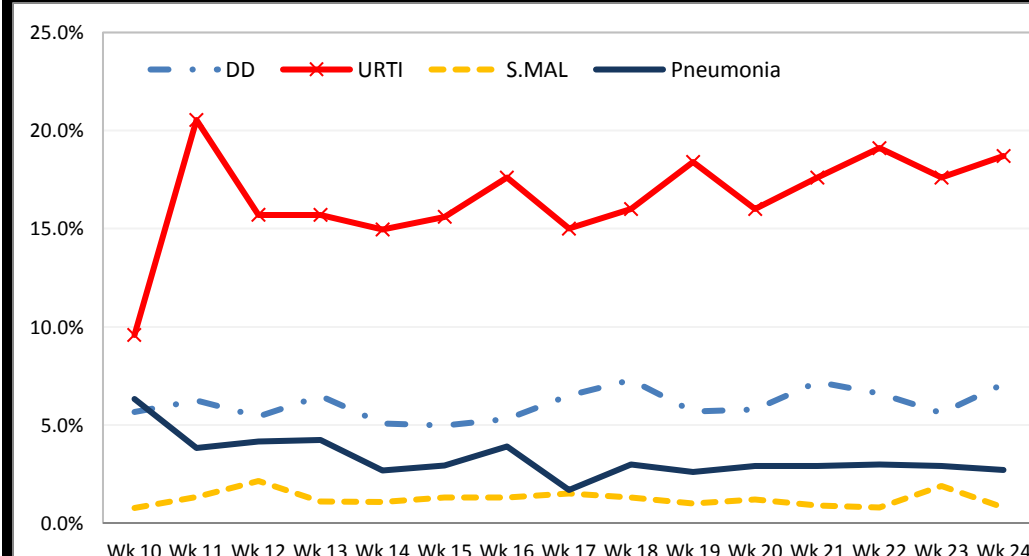
Leading Priority Diseases - Pilot Governorates (Epi-week 24, 2013)

- URTI (18.7%), suspected malaria (0.8%), OAD (6.7%) and Pneumonia (2.7%) remain the leading causes of morbidity representing a total of 28.9%.
- 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 7.1% and Pneumonia 2.7% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3.61% and Pneumonia 1.44% of total morbidity in the <5 years age group.

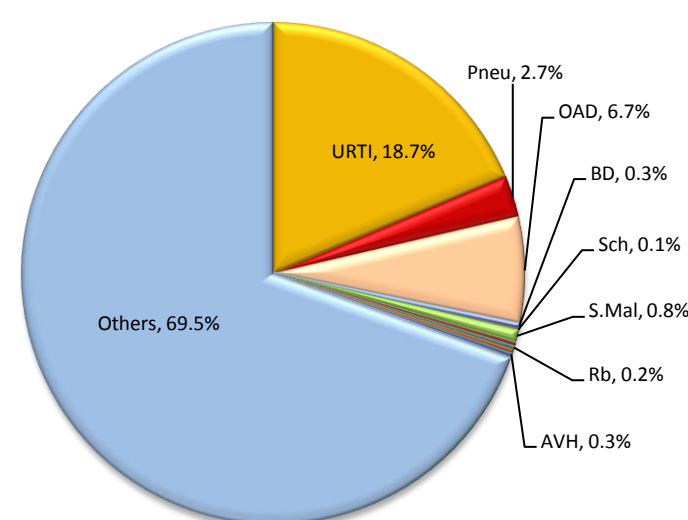
32 districts from 4 Governorates reported to eDEWS in week 24, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 24, 2013



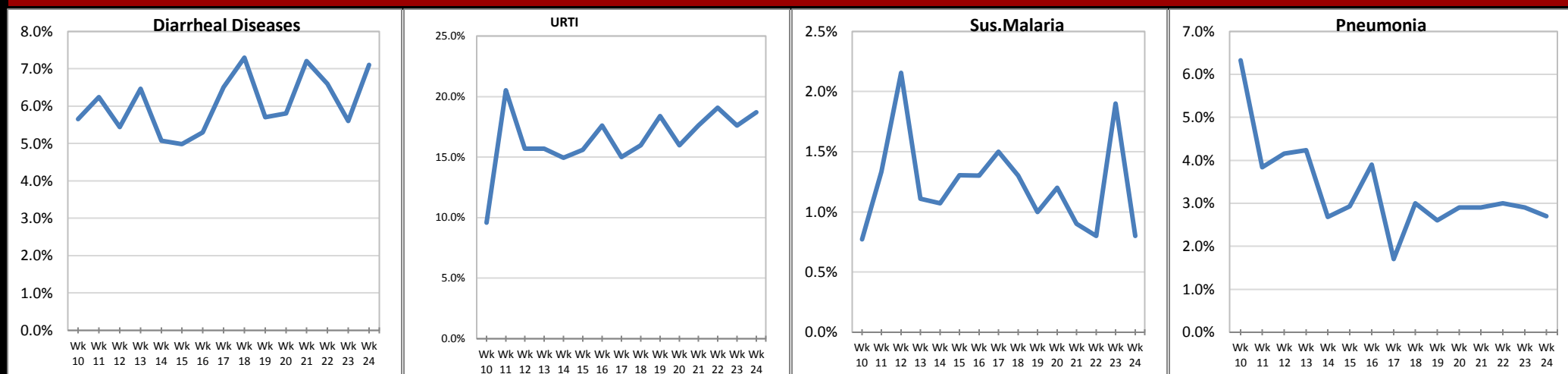
Proportional Morbidity for Leading Priority Diseases - Epiweek 24, 2013



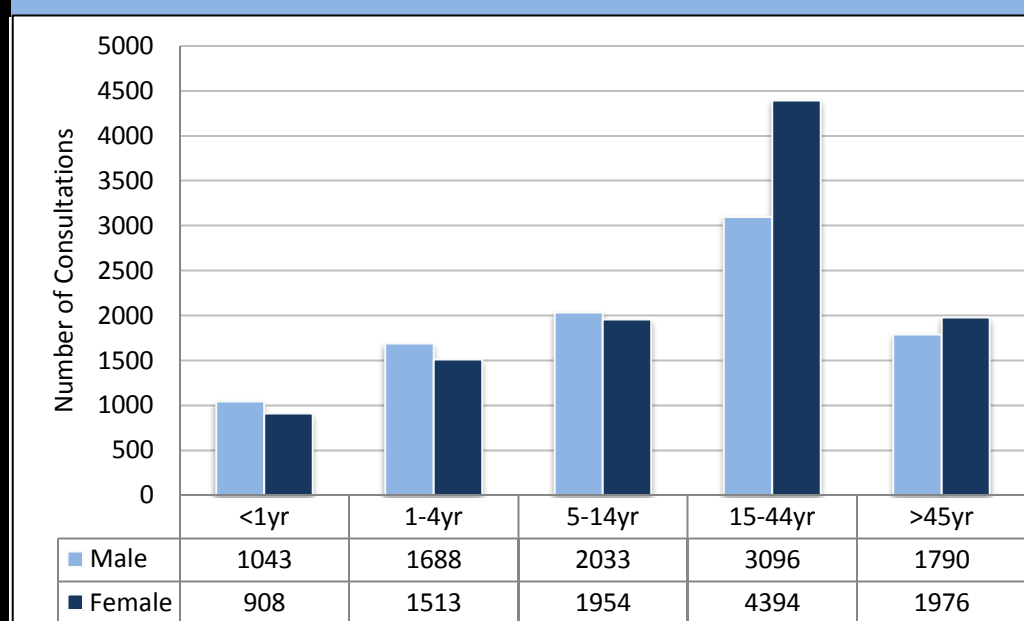
Cases (n=20,398)

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 24, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 24, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 24, 2013 (1st March 2013 to 13th June 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	40142	16.9%
Diarrheal Diseases	14494	6.1%
Suspected Malaria	2904	1.2%
Pneumonia	7268	3.1%
Others	172377	72.7%
Total (All consultations)	237185	100%

Leading Diseases by Governorate, Epiweek 24

- URTI was highest in Governorate Aden (27.97%) this week.
- Diarrheal Disease was highest in Governorate Taiz (8.42%) this week.

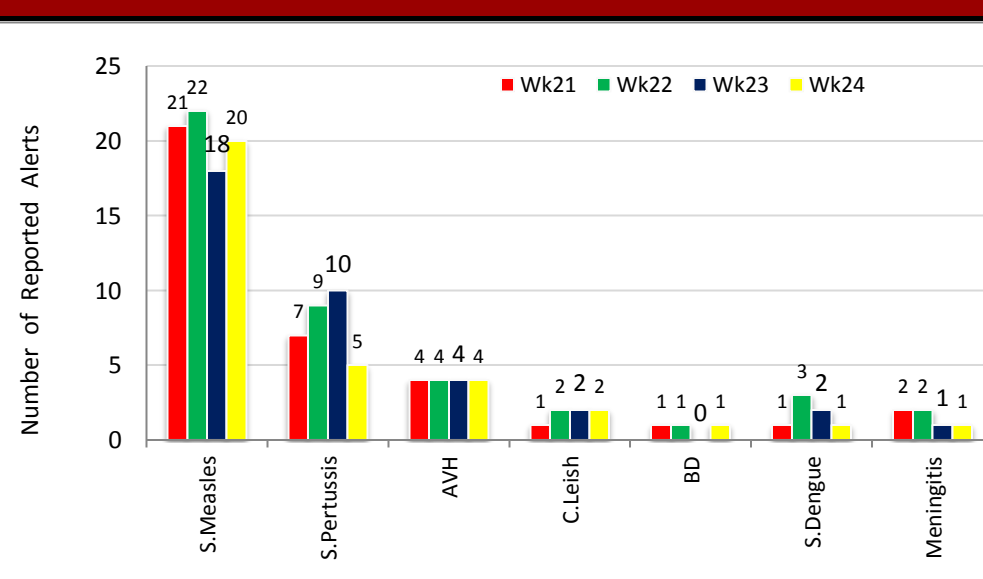
Distribution of consultations of leading diseases by Governorates, Epiweek 24

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	421	2095	540	760	3816
Pneumonia	88	199	159	106	552
Other Acute Diarrhea	200	544	89	543	1376
Bloody Diarrhea	8	4	2	56	70
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	0	0	2	14	16
Malaria	24	77	27	32	160
Meningitis	2	6	0	35	43
Dengue Fever	5	1	4	1	11
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	0	0	40	40
Measles	14	18	5	15	52
Acute Viral Hepatitis (A & E)	8	9	1	36	54
Neonatal Tetanus	0	1	0	0	1
Acute Flaccid Paralysis	0	1	0	1	2
Cutaneous Leishmaniasis	1	0	0	1	2
Diphtheria	0	0	0	0	0
Pertussis	8	6	0	0	14
OtherUn	0	3	0	0	3
Other Consultations	2732	4528	1450	5476	14186
Total Consultations	3511	7492	2279	7116	20398

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 24, 2013		System Gen. Alerts (week 24)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	81	1	5	0	5	0
Measles	262	0	20	0	20	1
AFP	11	0	2	0	2	0
Schistosomiasis	4	0	1	0	1	0
Bloody Diarrhie	10	0	1	0	1	5
AVH	40	2	4	0	4	0
Denque fever	16	0	1	0	1	0
Meningitis	17	0	1	0	1	0
CL	20	0	2	0	2	0
NNT	4	0	1	0	1	0
Malaria	1	0	0	0	0	0
VHF	1	0	0	0	0	0
Pneumonia	2	0	0	0	0	0
Total	469	3	38	0	38	7

Number of Alerts Received and Responded (Epiweeks 21 and 24, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3511 patients consultations in week 24, 2013. Total 14 alerts were reported and appropriate measures were taken in week 24, 2013. Altogether 7 alerts for Measles, 3 Pertussis, and 1 each for AVH, BD, C. Leishmaniasis and Dengue Fever were reported and responded.

Aden Governorate

24 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 7492 patients consultations in week 24, 2013. Total 13 alerts were reported and appropriate measures were taken in week 24, 2013. Altogether 9 alerts for Measles, 2 Pertussis, and 1 each for Acute Flaccid Paralysis and NNT were reported and responded.

Abyan Governorate

20 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 2279 patients consultations in week 24, 2013. Total 2 alerts were reported and appropriate measures were taken in week 24, 2013. All alerts for Measles was reported and responded.

Taiz Governorate

19 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 7116 patients consultations in week 24, 2013. Total 9 alerts were reported and appropriate measures were taken in week 24, 2013. Altogether 3 alerts each for AVH, 2 Measles, and 1 each for C. Leishmaniasis, Acute Flaccid Paralysis, Meningitis and Schistosomiasis were reported and responded.

Alert/Outbreaks Responded in Epi-week 24, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Tuban, Labaos, Yahar, Radfan, Al-Milah, Al-Qabbyatah and Al-Hawtah	MCH Center, Labaos, Yahar, Radfan, Al-Milah, Karish and Al-Waaht HFs.	Measles focal point was contacted and information was shared; Field investigation done, Samples were collected from some cases and sent to central Lab. Sana'a for Lab. confirmation.	14	0
Pertussis	Lahj	Radfan, Labaos and Al-Hawtah	Radfan, Labaos and Ibn Khaldoon HFs.	SC has planned to visit the HF for further investigations and appropriate response.	8	0
AVH	Lahj	Radfan	Radfan Hospital	The cases confirmed to be AVH and treated appropriately	3	0
DF	Lahj	Tuban	Sabar HC	District coordinator contacted, information shared, sample was collected and sent to lab. , results are awaited.	4	0
AVH	Taiz	Al-Mudafar and Al-Qahirah	Al-Hikma Al-Sweden Hosp	The cases confirmed to be AVH and treated appropriately	34	0
Meningitis	Taiz	Al-Qahirah	Al-Sweden	District coordinator contacted, information shared, sample was collected and sent to Lab . Results are awaited .	32	0
Measles	Taiz	Al-Qahirah and Salah	Al-Sweden and Al-Kendy Hospital	District coordinator contacted, information shared, sample was collected and sent to central lab. In Sanaa ,Result is awaited	16	0
AFP	Taiz	Al-Qahirah	Al-Sweden	The suspected AFP case aged 5 years male child from Zabid-Alhodidah , the condition started 10 days ago with acute onset of fever and convulsion , the patient was admitted to Sweeden hospital 5 days ago in deep coma with R.hemeplegia , stool sample was taken and sent to Lab.	1	0
Measles	Aden	Dar-Saad, Al-Mansoorah, Al-Boriqah, Al-Towahi, Al-Muala, Criter and Khor Maksar	Al-Basateen, Al-Wali, Al-Shaab, Al-Qalwaah, Al-Towahi, Al-Muala, Al-Shaab, Al-Miedan and Khor Maksar HFs.	eDEWS team contact focal point, information shared, Blood samples were collected from the 10 cases and sent to sana'a central Lab. For Lab. Confirmation.	15	0
Pertussis	Aden	Al-Shiakh Othman and Khor Maksar	Al-Wahdah and Khor Maksar HFs.	eDEWS team contacted focal point, cases were diagnosed clinically using case definition, No blood samples were collected. Antibiotic treatment was given to the patients.	6	0
NNT	Aden	Al-Shiakh Othman	Al-Wahdah Hosp.	eDEWS team contact focal point, the case (27days) admitted to hospital through casualty to neonatal department.	1	0
AFP	Aden	Al-Shiakh Othman	Al-Wahdah Hosp.	The case diagnosed in accordance with case definition, AFP focal point was notified, Sample was collected and sent to sana'a central Lab. For Lab. Confirmation.	1	0
Measles	Abyan	Mudiyah and Khanfar	Mudiyah and Al-Razi Hospital	eDEWS team contact focal point, information shared, Blood samples were collected from 3 cases and sent to sana'a central Lab. For Lab. Confirmation.	5	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.