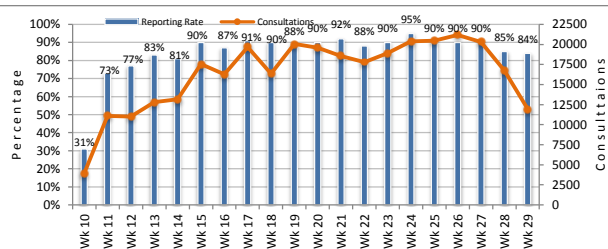


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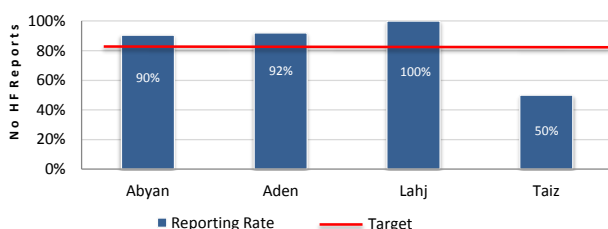
Highlights

- During week no 29, 2013; 84% (78/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 11965 compared to 16749 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 29, 2013; Of these, 226 alerts were verified as true for further investigations with appropriate response.
- Altogether 10 alerts for Measles, 7 Pertussis, 3 Acute Flaccid Paralysis, 2 AVH, and 1 each for Meningitis, C. Leishmaniasis, OAD, 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 29, 2013



Distribution of Reporting Rates by Governorates (Epi-week 29, 2013)



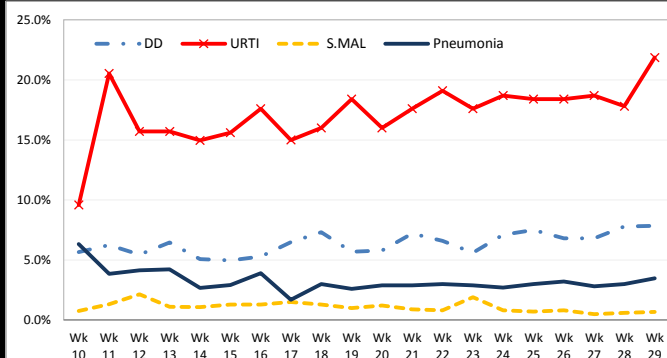
Leading Priority Diseases - Pilot Governorates (Epi-week 29, 2013)

- URTI (21.9%), suspected malaria (0.7%), OAD (7.8%) and Pneumonia (3.5%) remain the leading causes of morbidity representing a total of 33.9%.
- Acute viral hepatitis, acute watery diarrhea and Schistosomiasis represented less than 1% of total morbidity in reporting period. Bloody diarrhea represented 0.1% of this morbidity.
- All diarrheal disease comprised 7.9% and Pneumonia 3.5% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 3.79% and Pneumonia 2.4% of total morbidity in the <5 years age group.

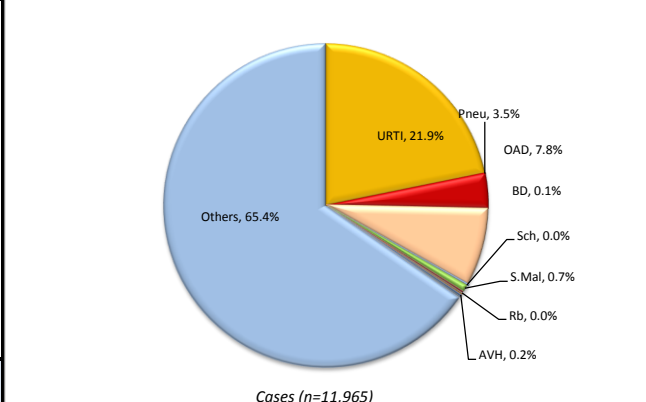
32 districts from 4 Governorates reported to eDEWS in week 29, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 29, 2013

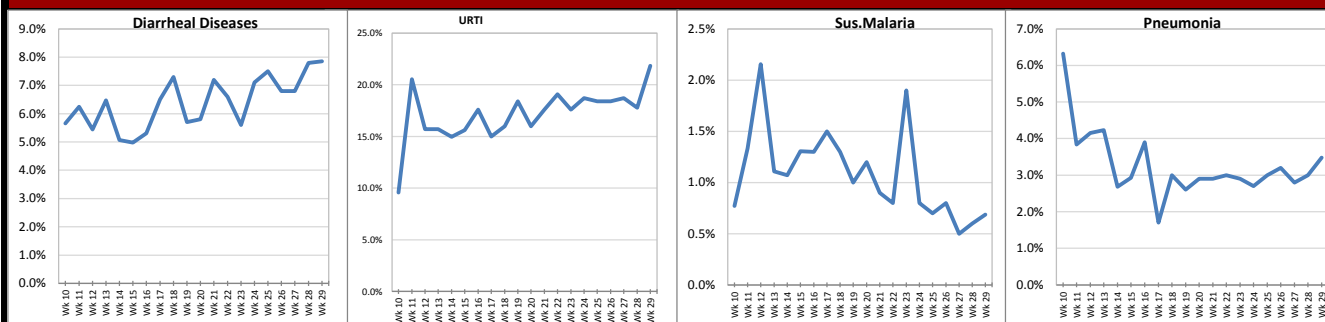


Proportional Morbidity for Leading Priority Diseases - Epiweek 29, 2013

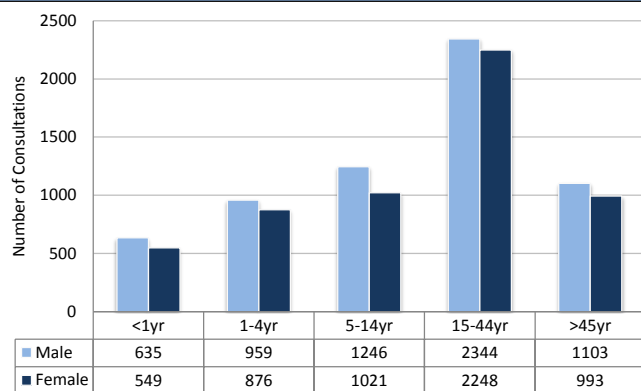


URTI=Upper respiratory infections; Pneu=Pneumonia; OAD=Other acute diarrhea; BD= Bloody diarrhea; AWD=Acute Watery Diarrhea; Sch=Schistosomiasis; Mal=Malaria; Rb=Rabies; AVH=Acute viral hepatitis; Meng=Meningitis; DF=Dengue fever; VHF=Viral hemorrhagic fever; Meas=Measles; CL=Cutaneous Leishmaniasis; Pert= Pertussis; Diph=Diphtheria; NNT=Neonatal Tetanus

Weekly trends of Diarrheal Diseases, Upper Respiratory infections, Suspected Malaria and Pneumonia (Epi week 10 to 29, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 29, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 29, 2013 (1st March 2013 to 18th July 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	57199	17.4%
Diarrheal Diseases	21091	6.4%
Suspected Malaria	3511	1.1%
Pneumonia	10060	3.1%
Others	236017	72.0%
Total (All consultations)	327878	100%

Leading Diseases by Governorate, Epiweek 29

- URTI was highest in Governorate Abyan (28.76%) this week.
- Diarrheal Disease was highest in Governorate Lahj (10.11%) this week.

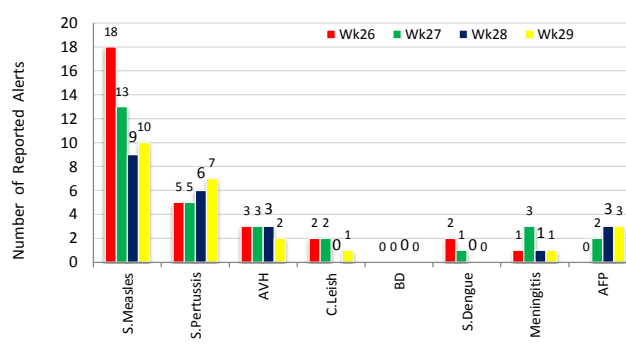
Distribution of consultations of leading diseases by Governorates, Epiweek 29

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	357	1560	461	237	2615
Pneumonia	73	174	147	22	416
Other Acute Diarrhea	260	432	96	140	928
Bloody Diarrhea	2	0	1	9	12
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	1	0	1	2	4
Malaria	20	37	22	3	82
Meningitis	0	2	0	18	20
Dengue Fever	1	0	0	1	2
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	0	0	5	5
Measles	2	10	0	1	13
Acute Viral Hepatitis (A & E)	6	5	0	14	25
Neonatal Tetanus	0	1	0	0	1
Acute Flaccid Paralysis	0	3	1	0	4
Cutaneous Leishmaniasis	1	0	0	0	1
Diphtheria	0	0	0	0	0
Pertussis	4	5	5	0	14
OtherUn	0	2	0	0	2
Other Consultations	1864	3552	869	1536	7821
Total Consultations	2591	5783	1603	1988	11965

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 29, 2013		System Gen. Alerts (week 29)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	0
Pertussis	112	1	7	0	7	0
Measles	330	0	10	0	10	1
AFP	20	0	3	0	3	0
Schistosomiasis	4	0	0	0	0	0
Bloody Diarrhie	10	0	0	0	0	1
AVH	55	2	2	0	2	0
Denque fever	21	0	0	0	0	0
Meningitis	24	0	1	0	1	0
CL	27	0	1	0	1	0
NNT	7	0	1	0	1	0
OAD	2	0	1	0	1	0
VHF	1	0	0	0	0	0
Pneumonia	6	0	0	0	0	0
Total	619	3	26	0	26	2

Number of Alerts Received and Responded (Epiweeks 26 and 29, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 2591 patients consultations in week 29, 2013. Total 7 alerts were reported and appropriate measures were taken in week 29, 2013. Altogether 3 alerts for Pertussis, 2 Measles, and 1 each for AVH and C. Leishmaniasis were reported and responded.

Aden Governorate

23 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 5783 patients consultations in week 29, 2013. Total 13 alerts were reported and appropriate measures were taken in week 29, 2013. Altogether 7 alerts for Measles, 2 each for Pertussis, Acute Flaccid Paralysis, and 1 each for OAD and NNT were reported and responded.

Abyan Governorate

19 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 1603 patients consultations in week 29, 2013. Total 3 alerts were reported and appropriate measures were taken in week 29, 2013. Altogether 2 alerts for Pertussis and Acute Flaccid Paralysis were reported and responded.

Taiz Governorate

11 health facilities from 7 districts in Taiz governorate reported to eDEWS with a total of 1988 patients consultations in week 29, 2013. Total 3 alerts were reported and appropriate measures were taken in week 29, 2013. Altogether 1 each for Measles, AVH and Meningitis were reported and responded.

Alert/Outbreaks Responded in Epi-week 29, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Pertussis	Lahj	Tuban and Labaos	Sabar, Al-Waht and Labaos HFs	Lahj Surveillance Coordinator, it was informed that SC will visit the HF for further investigations and community health education about immunization.	4	0
AVH	Lahj	Radfan	Radfan Hospital	The cases confirmed to be AVH and treated appropriately	4	0
Measles	Lahj	Radfan and Al-Hawtah	Radfan and Ibn Khaldoun Hospital	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.	2	0
CL	Lahj	Al-Milah	Al-Milah Hospital	The cases confirmed to be CL and treated appropriately	1	0
Pertussis	Aden	Al Mansura and Al-Shaikh Othman	Al-Wali and Al-Wahdah Hospital	eDEWS team contacted focal point, cases was diagnosed clinically using case definition, Antibiotic treatment was given to the patients.	5	0
AFP	Aden	Al Mansura	Al-Wali Hosp.	eDEWS team contacted focal point, the case was a suspected AFP, came to Alwali hospital, surveillance coordinator was informed, stool samples was collected and sent to central surveillance center in Sana'a for Lab confirmation. (3.5Y from yafe (Lahj))	1	0
Measles	Aden	Al Mualla, Al-Shaikh Othman, Craiter, Al-Munsora and Dar Saad	Al-muala, Al-Shaikh Othman, Al-Qateea, 22 May, Al-Qahirah, Al-Wahda and Al-Basateen	eDEWS team contact focal point, information shared, Blood samples were collected from the 5 cases and sent to sana'a central Lab. For Lab. Confirmation.	9	0
OAD	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	eDEWS team contact focal point, the death case was a female child age 3months, from Al-sha'ab admitted to hospital complaining of diarrhea for a week, the condition of patient was bad.	87	1
NNT	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	Patient is a male neonate age 8days, from Lodar/ Abyan admitted in Alwehda Hospital with a diagnosis of NNT.	1	0
AFP	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	eDEWS team contact focal point, the 2 case was a suspected AFP, Admitted in Al-wahdah hospital, surveillance coordinator of two governorate were informed (Aden and Abyan), stool samples were collected and sent to central surveillance center in Sana'a (2.6Y from Da'ar saad and the other from Abyan)	2	0
Pertussis	Abyan	Khanfir and Lawdar	Alrazi and Alain HFs.	eDEWS team contacted focal point, cases was diagnosed clinically using case definition, Antibiotic treatment was given to the patients.	5	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. (2years from same area)	1	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted, information shared, investigation results were negative for all samples (No growth)	17	0
Measles	Taiz	Al Qahirah	Sweden Hospital	District coordinator, information shared, blood sample was collected and sent to central lab in sanaa, results are awaited.	1	0
AVH	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted, information shared, samples were sent to HF lab, results are awaited.	9	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.