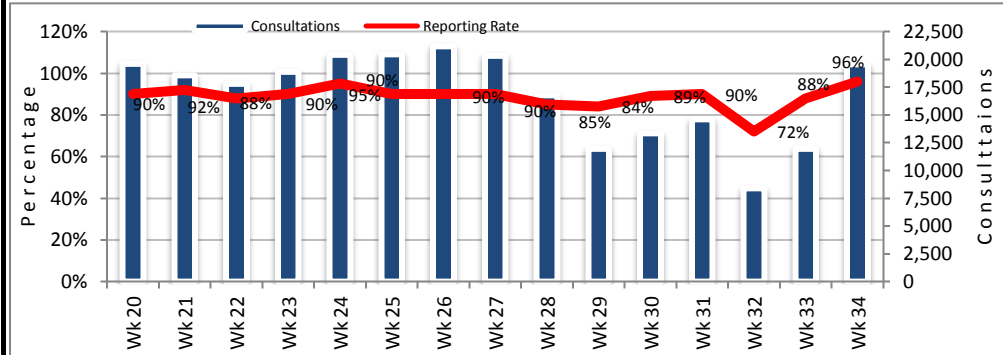


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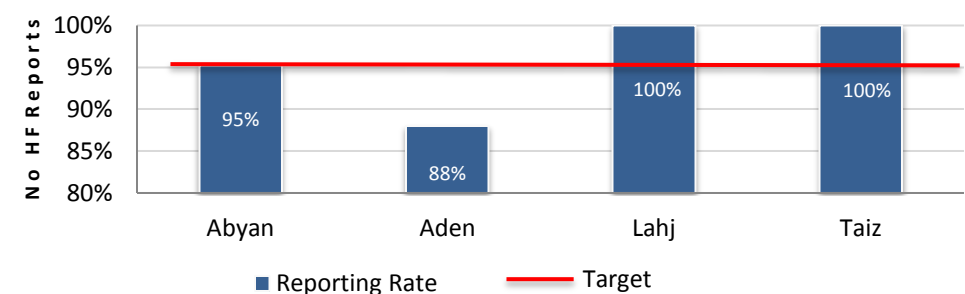
Highlights

- During week no 34, 2013; 96% (89/93) health facilities from 4 pilot governorates provided valid surveillance data.
- The total number of consultations reported during the week in pilot governorates was 19558 compared to 11948 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 34, 2013; Of these, 21 alerts were verified as true for further investigations with appropriate response.
- Altogether 9 alerts Measles, 3 AVH, 2 each for Pertussis, Meningitis, Schistosomiasis, and 1 each for C. Leishmaniasis Dengue Fever and Pneumonia 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 34, 2013



Distribution of Reporting Rates by Governorates (Epi-week 34, 2013)



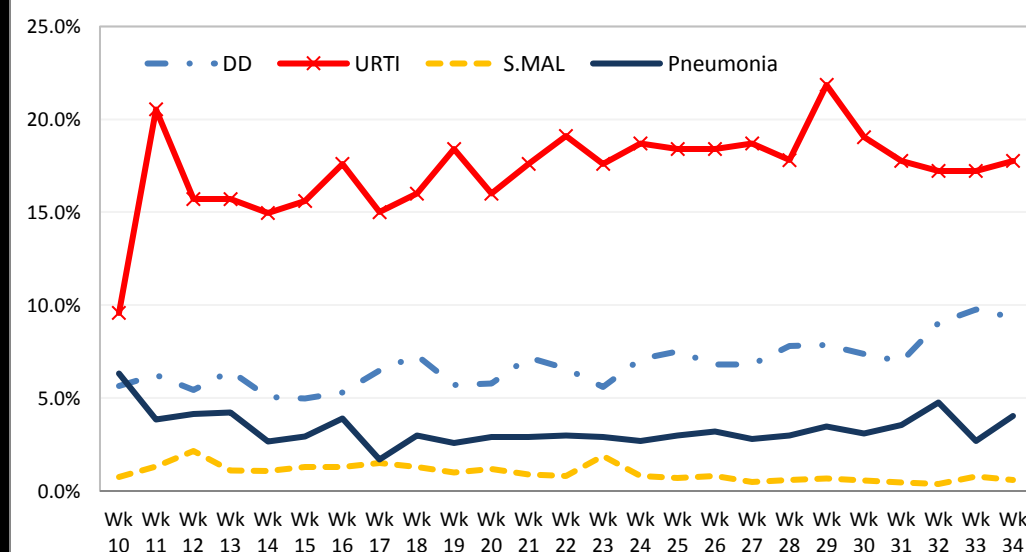
Leading Priority Diseases - Pilot Governorates (Epi-week 34, 2013)

- URTI (17.8%), suspected malaria (0.6%), OAD (9.1%) and Pneumonia (4%) remain the leading causes of morbidity representing a total of 31.5%.
- 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 9.3% and Pneumonia 4% of total morbidity in Pilot Governorates this week.
- All diarrheal disease comprised 4.87% and Pneumonia 2.21% of total morbidity in the <5 years age group.

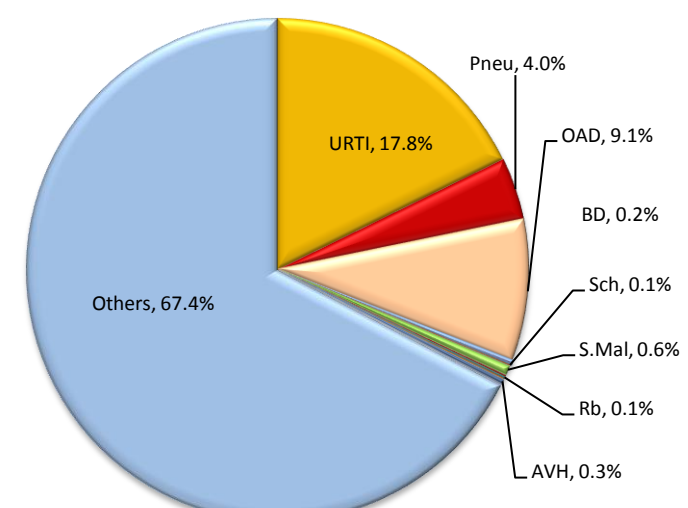
32 districts from 4 Governorates reported to eDEWS in week 34, 2013



Trends for Leading Priority Diseases in Pilot Governorates - Epiweeks 10 to 34, 2013



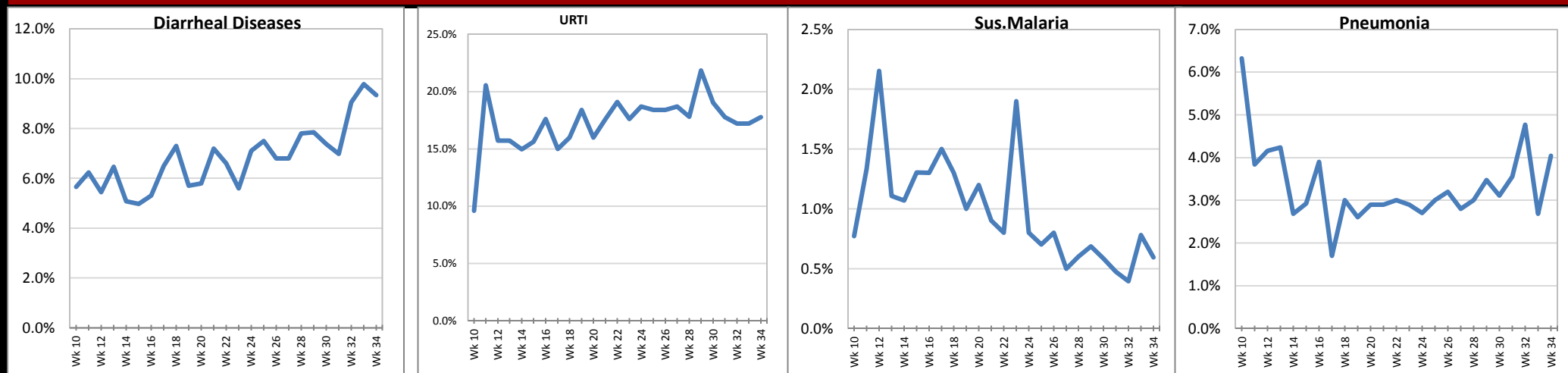
Proportional Morbidity for Leading Priority Diseases - Epiweek 34, 2013



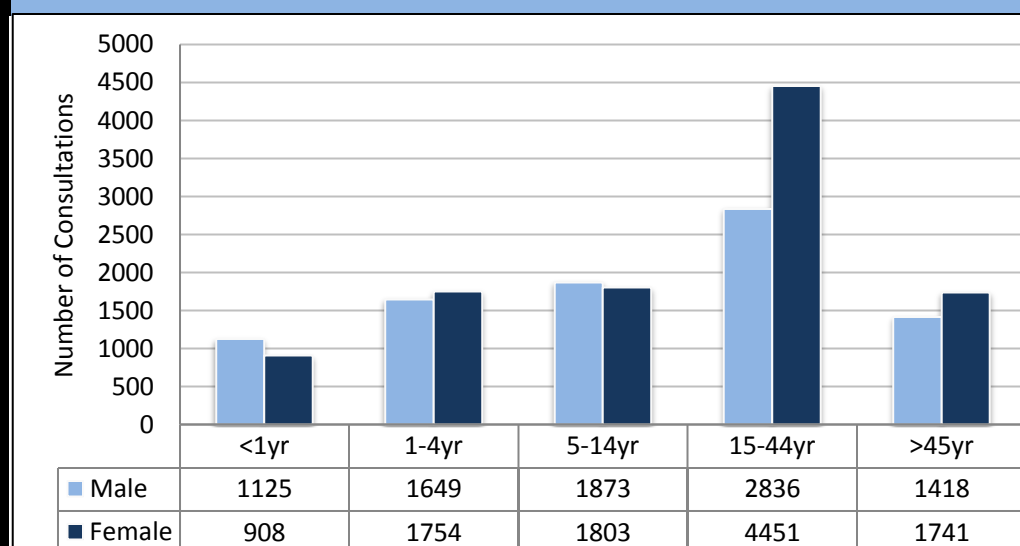
Cases (n=19,558)

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 34, 2013)



Age and Sex distribution of total consultations of leading diseases (Epi week 34, 2013)



Cumulative number of major health events reported in Epi-weeks 10 to 34, 2013 (1st March 2013 to 22nd Aug. 2013)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	69285	17.5%
Diarrheal Diseases	26834	6.8%
Suspected Malaria	3899	1.0%
Pneumonia	12501	3.2%
Others	283058	71.6%
Total (All consultations)	395577	100%

Leading Diseases by Governorate, Epiweek 34

- URTI was highest in Governorate Aden (24.57%) this week.
- Diarrheal Disease was highest in Governorate Lahj (11.22%) this week.

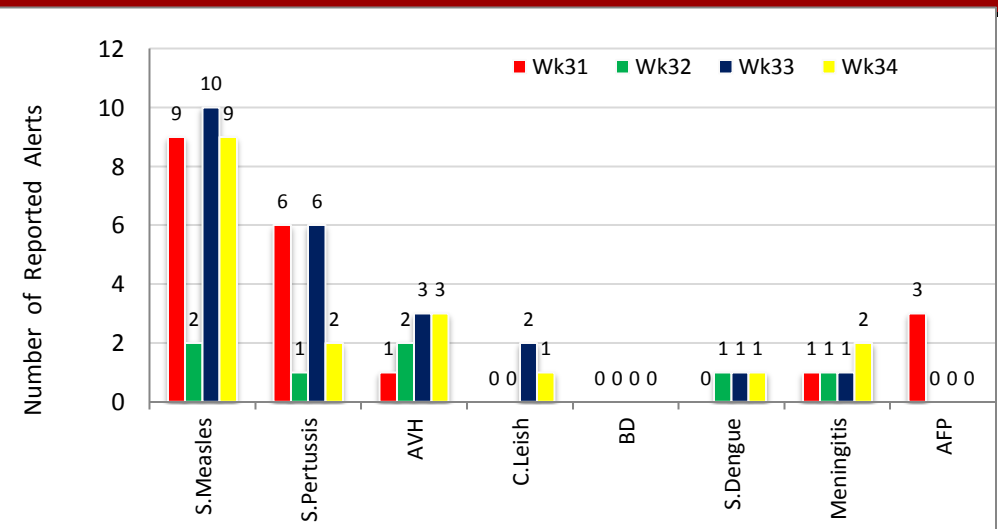
Distribution of consultations of leading diseases by Governorates, Epiweek 34

Suspected Disease	Lahj	Aden	Abyan	Taiz	Total
Upper Respiratory Infections	410	1594	638	832	3474
Pneumonia	68	196	425	101	790
Other Acute Diarrhea	367	639	211	565	1782
Bloody Diarrhea	7	4	1	33	45
Acute Watery Diarrhea	0	0	0	0	0
Schistosomiasis	1	0	0	14	15
Malaria	15	27	21	53	116
Meningitis	0	6	0	19	25
Dengue Fever	1	0	0	6	7
Viral Hemorrhagic Fever	0	0	0	0	0
Rabies	0	0	0	27	27
Measles	2	9	3	2	16
Acute Viral Hepatitis (A & E)	8	10	2	34	54
Neonatal Tetanus	0	0	0	0	0
Acute Flaccid Paralysis	0	0	0	0	0
Cutaneous Leishmaniasis	1	0	0	0	1
Diphtheria	0	0	0	0	0
Pertussis	0	7	8	1	16
OtherUn	0	0	0	2	2
Other Consultations	2454	3995	1779	4960	13188
Total Consultations	3334	6487	3088	6649	19558

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013		Current week 34, 2013		System Gen. Alerts (week 34)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	1
Pertussis	132	1	2	0	2	1
Measles	366	0	9	0	9	2
AFP	25	0	0	0	0	0
Schistosomiasis	6	0	2	0	2	0
Bloody Diarrhie	10	0	0	0	0	2
AVH	66	2	3	0	3	1
Denque fever	24	0	1	0	1	0
Meningitis	31	0	2	0	2	0
CL	32	0	1	0	1	0
NNT	10	0	0	0	0	0
OAD	3	0	0	0	0	0
VHF	1	0	0	0	0	0
Pneumonia	9	0	1	0	1	0
Total	715	3	21	0	21	7

Number of Alerts Received and Responded (Epiweeks 31 and 34, 2013)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3334 patients consultations in week 34, 2013. Total 4 alerts were reported and appropriate measures were taken in week 34, 2013. Altogether 2 alerts Measles, and 1 each for C. Leishmaniasis and AVH were reported and responded.

Aden Governorate

22 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 6487 patients consultations in week 34, 2013. Total 8 alerts were reported and appropriate measures were taken in week 34, 2013. Altogether 5 alerts Measles, and 1 each for Pertussis, Meningitis and Pneumonia were reported and responded.

Abyan Governorate

20 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 3088 patients consultations in week 34, 2013. Total 2 alerts were reported and appropriate measures were taken in week 34, 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 6649 patients consultations in week 34, 2013. Total 7 alerts were reported and appropriate measures were taken in week 34, 2013. Altogether 2 alerts each for AVH and Schistosomiasis, and 1 each for Dengue Fever, Measles and Meningitis were reported and responded.

Outbreak Investigated and Responded in Epi-week 34, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Pertussis	Abyan	Lawdar	AlAin Health Unit	A field investigation was conducted in Alga'a village/ Lowdar district. Erythromycine treatment was given to pertusis cases and prophylaxis erythromycine to close contact. Surveillance coordinator and EPI coordinator of Abyan was informed. Non vaccinated children in village will be vaccinated. Imparted health education to the patient's parents regarding the spread of pertussis, importance of vaccination and its completion and isolation of cases.	18	0

Alerts Investigated and Responded in Epi-week 34, 2013

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Measles	Lahj	Tur Albahah and Tuban	Tur Albahah and Labaos 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.	2	0
AVH	Lahj	Labaos	Labaos Hospital	The cases confirmed to be AVH and treated appropriately	3	0
CL	Lahj	Labaos	Labaos Hospital	The cases confirmed to be CL and treated appropriately	1	0
Pertussis	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	Cases was diagnosed clinically using case definition in emergency department, full information about cases was not register, eDEWS team visit the hospital to discuss with doctors in duty the importance of data registration.	7	0
Meningitis	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	Cases admitted to hospital through emergency department, 2 cases were refered from Yafe'a, in ICU, CCF was collected from 2 cases	3	0
Pneumonia	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	A female child aged 9months from Bataise/ Abyan governorate, admitted to hospital on the 13/8/2013 as a Bronchopnumonia case. Treatment was given through hospital stay, case condition deteriorated and died on 21/8/2013.	0	1
Measles	Aden	Al Mansura, Al-Tawahi and Craiter	Al-Wali, Al-Qallooa, Al-Shaab, Al-Maidan and Al-Tawahi HFs .	eDEWS team contact focal point, information shared, Blood samples were collected from 5 cases and will be sent to sana'a central Lab. For Lab. Confirmation.	7	0
Measles	Abyan	Khanfir	MCH Ja'ar	eDEWS team contact focal point, information shared, blood samples were collected from cases and sent to sana'a central Lab. For Lab. Confirmation.	3	0
Schistosomiasis	Taiz	Al Qahirah	Yemen and Al-Tawon HFs.	District coordinator contacted ,information shared ,samples were sent to HF lab , results are awaited.	12	0
Measles	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted, information shared, samples collected and sent to the central lab. In Sanaa For Lab. Confirmation.	2	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	District coordinator contacted, information shared , samples were sent to the HF lab. With negative result (No growth) , 15 suspected Meningitis cases only were reported at the Lab. For this week.	17	0
AVH	Taiz	Al Qahirah	Sweden and Al-Tawon HFs.	District coordinator contacteddd , information shared , samples were sent to the HF lab. , 15 samples results were positive for Hepatitis A , pateints contact information wasn't avilable , the importance of detailed patients contact information was discussed again.	29	0
DF	Taiz	Al Qahirah	Tawon Hospital	District coordinator contacted ,information shared ,samples were sent to HF lab , results are awaited.	4	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.