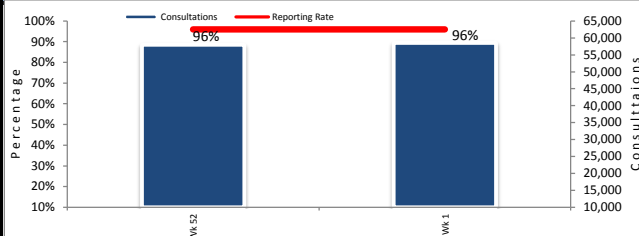


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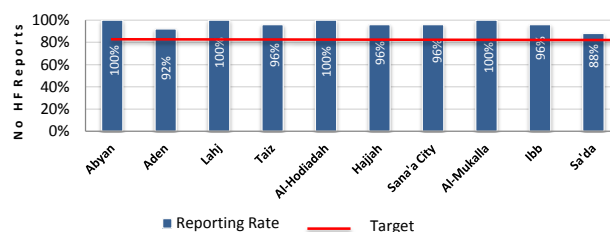
Highlights

- During week no 1, 2014; 96% (238/247) health facilities from 10 governorates provided valid surveillance data.
- The total number of consultations reported during the week in 10 governorates was 58531 compared to 57958 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 90 alerts were generated by eDEWS system in week 1, 2014; Of these, 53 alerts were verified as true for further investigations with appropriate response.
- Altogether 22 alerts Measles, 6 each for Petrussis and Acute Flaccid Paralysis, 5 each for AVH and C.Leishmaniasis, 2 each for Dengue fever, Meningitis and OAD, and 1 each for NNT, Schistosomiasis and Diphtheria were received and responded.
- Online disease surveillance and response system was launched in 4 governorates (Aden, Abyan, Lahj and Taiz) in March 2013 and the expansion phase has started in 6 Governorates (Sana'a City, Hodaidah, Hajjah, Ibb, Al-Mukalla and Sa'da) in November 2013. Ongoing on site trainings to improve weekly reporting and immediate notification are underway in all governorates.

eDEWS Reporting Rates vs Consultations in All Governorates, Epi weeks 52, 2013 to 1, 2014



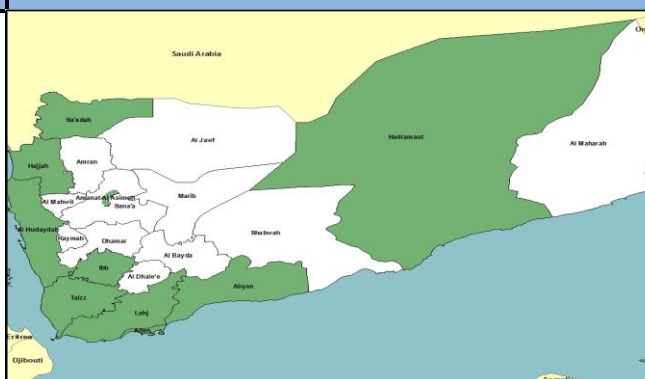
Distribution of Reporting Rates by Governorates (Epi-week 1, 2014)



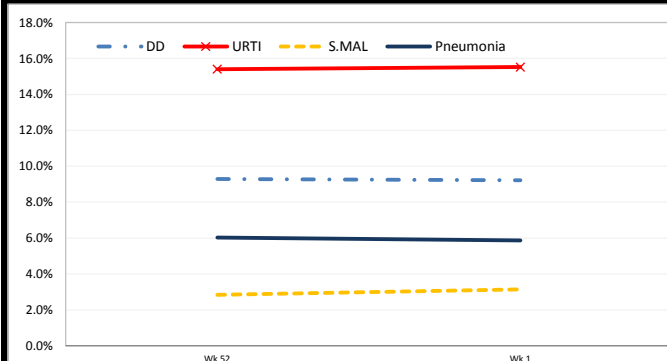
Leading Priority Diseases - 10 Governorates (Epi-week 1, 2014)

- URTI (15.5%), suspected malaria (3.1%), OAD (8.4%) and Pneumonia (5.9%) remain the leading causes of morbidity representing a total of 32.9%.
- Acute viral hepatitis, acute watery diarrhea and Schistosomiasis represented less than 1% of total morbidity in reporting period. Bloody diarrhea represented 0.8% of this morbidity.
- All diarrheal disease comprised 9.2% and Pneumonia 5.9% of total morbidity in All Governorates this week.
- All diarrheal disease comprised 5% and Pneumonia 3.3% of total morbidity in the <5 years age group.

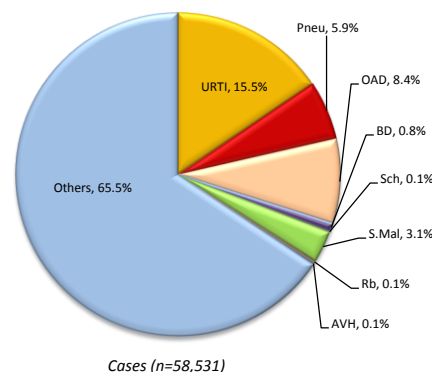
124 districts from 10 Governorates reported to eDEWS in week 1, 2014



Trends for Leading Priority Diseases in 10 Governorates - Epiweeks 52, 2013 to 1, 2014

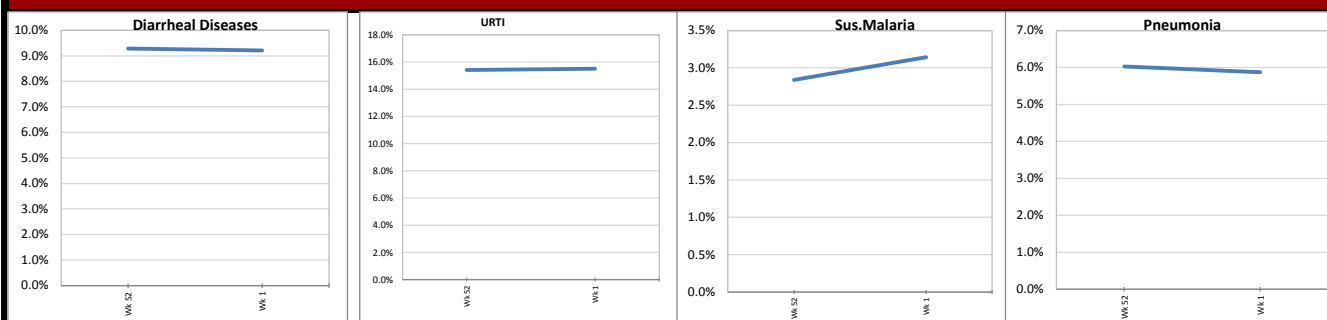


Proportional Morbidity for Leading Priority Diseases - Epiweek 1, 2014

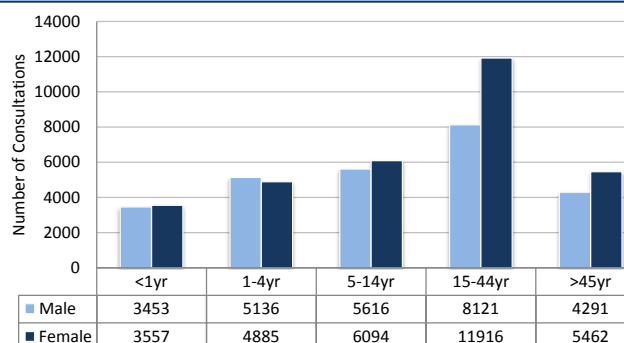


URTI=Upper respiratory infections; Pneu=Pneumonia; OAD=Other acute diarrhea; BD= Bloody diarrhea; AWD=Acute Watery Diarrhea; Sch=Schistosomiasis; Mal=Malaria; Rb=Rabies; AVH=Acute viral hepatitis; Meng=Meningitis; DF=Dengue fever; VHF=Viral hemorrhagic fever; Meas=Measles; CL=Cutaneous Leishmaniasis;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

Weekly trends of Diarrheal Diseases, Upper Respiratory infections, Suspected Malaria and Pneumonia (Epi week 52 to 1, 2014)



Age and Sex distribution of total consultations of leading diseases (Epi week 1, 2014)



Cumulative number of major health events reported in Epi-weeks 10, 2013 to 1, 2014 (1st March 2013 to 2nd Jan. 2014)

Diseases	No of Cases	Percentage
Upper Respiratory Infections	180575	16.6%
Diarrheal Diseases	88032	8.1%
Suspected Malaria	18002	1.7%
Pneumonia	44767	4.1%
Others	759561	69.6%
Total (All consultations)	1090937	100%

Leading Diseases by Governorate, Epiweek 1

- URTI was highest in Governorate Aden (29.2%) this week.
- Diarrheal Disease was highest in Governorate Sa'da (16%) this week.

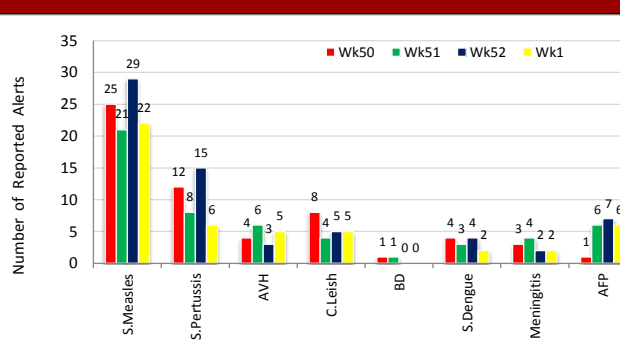
Distribution of consultations of leading diseases by Governorates, Epiweek 1

Suspected Disease	Lahj	Aden	Abyan	Taiz	Hadramout	Ibb	Hodaidah	Hajjah	Amana	Sa'da	Total
URT	621	1765	910	890	689	767	536	339	1136	1430	9083
Pneumonia	132	173	426	301	60	699	645	278	496	228	3438
OAD	245	606	209	488	202	669	420	399	858	836	4932
BD	7	5	0	24	3	266	97	4	12	42	460
AWD	0	0	0	0	0	0	0	0	0	0	0
Schistosomiasis	0	0	5	1	0	4	0	5	7	18	40
Malaria	14	37	15	38	1	309	683	601	31	111	1840
Meningitis	0	3	0	34	0	2	7	0	10	1	57
Dengue Fever	0	1	0	2	0	0	14	0	0	0	17
Viral Hemorrhagic Fever	0	0	0	0	0	0	0	0	0	0	0
Rabies	0	0	0	24	0	1	3	9	0	0	37
Measles	2	6	3	3	4	3	0	0	6	31	58
Acute Viral Hepatitis (A & E)	6	9	2	20	8	13	1	0	16	1	76
Neonatal Tetanus	0	0	0	0	0	0	2	0	0	0	2
Acute Flaccid Paralysis	2	1	0	0	2	0	0	1	0	0	6
Cutaneous Leishmaniasis	0	0	0	0	0	0	1	2	1	3	7
Diphtheria	0	0	0	0	0	0	1	0	0	0	1
Pertussis	10	0	0	0	4	0	0	0	8	10	32
OtherUn	0	5	0	1	0	0	0	0	87	0	93
Other Consultations	2572	3434	2310	4894	2328	6168	8042	1862	3995	2747	38352
Total Consultations	3611	6045	3880	6720	3301	8901	10452	3500	6663	5458	58531

Number of alerts & outbreaks reported and investigated with appropriate response

Diseases	2013 - 2014		Current week 1, 2013		System Gen. Alerts (week 1)	
	Alerts	Outbreaks	Alerts	Outbreaks	TRUE	FALSE
AWD	0	0	0	0	0	0
Pertussis	285	6	15	0	15	2
Measles	674	0	29	0	29	5
AFP	74	0	7	0	7	1
Schistosomiasis	24	0	0	0	0	1
Bloody Diarrhoea	24	0	0	0	0	22
AVH	168	2	3	0	3	2
Dengue fever	111	0	4	0	4	0
Meningitis	82	0	2	0	2	1
CL	106	1	5	0	5	1
NNT	31	0	2	0	2	0
OAD	13	0	1	0	1	0
VHF	4	0	0	0	0	0
Pneumonia	24	0	3	0	3	0
Total	1620	9	71	0	71	35

Number of Alerts Received and Responded (Epiweeks 50, 2013 and 1, 2014)



Lahj Governorate

25 health facilities from 13 districts in Lahj governorate reported to eDEWS with a total of 3611 patients consultations in week 1, 2014. Total 6 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 3 Alerts Pertussis, 2 Acute Flaccid Paralysis and 1 Measles were reported and responded.

Aden Governorate

23 health facilities from 8 districts in Aden governorate reported to eDEWS with a total of 6045 patients consultations in week 1, 2014. Total 4 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 2 alerts Measles, and 1 each for AVH and Acute Flaccid Paralysis were reported and responded.

Abyan Governorate

22 health facilities from 4 districts in Abyan governorate reported to eDEWS with a total of 3880 patients consultations in week 1, 2014. Total 2 alert were reported and appropriate measures were taken in week 1, 2014. Altogether 2 alerts Measles were reported and responded.

Taiz Governorate

24 health facilities from 8 districts in Taiz governorate reported to eDEWS with a total of 6720 patients consultations in week 1, 2014. Total 5 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 2 alerts each for AVH and Measles, and 1 Meningitis were reported and responded.

Hadramout Governorate

25 health facilities from 7 districts in Hadramout governorate reported to eDEWS with a total of 3301 patients consultations in week 1, 2014. Total 5 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 3 alerts Measles, and 1 each for Acute Flaccid Paralysis and Pertussis were reported and responded.

Ibb Governorate

24 health facilities from 15 districts in Ibb governorate reported to eDEWS with a total of 8901 patients consultations in week 1, 2014. Total 5 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 2 alerts Measles, 1 each for AVH, Acute Flaccid Paralysis and OAD were reported and responded.

Hodaidah Governorate

25 health facilities from 22 districts in Hodaidah governorate reported to eDEWS with a total of 10452 patients consultations in week 1, 2014. Total 7 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 2 alerts Dengue Fever, 1 each for Pertussis, Meningitis, NNT, OAD and Diphtheria were reported and responded.

Hajjah Governorate

24 health facilities from 23 districts in Hajjah governorate reported to eDEWS with a total of 3500 patients consultations in week 1, 2014. Total 3 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 2 alerts C. Leishmaniasis and 1 Acute Flaccid Paralysis were reported and responded.

Amana Governorate

24 health facilities from 10 districts in Amana governorate reported to eDEWS with a total of 6663 patients consultations in week 1, 2014. Total 7 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 4 alerts Measles, 2 Pertussis and 1 AVH were reported and responded.

Sa'da Governorate

22 health facilities from 15 districts in Sa'da governorate reported to eDEWS with a total of 5458 patients consultations in week 1, 2014. Total 9 alerts were reported and appropriate measures were taken in week 1, 2014. Altogether 6 alerts Measles, 2 C. Leishmaniasis and 1 Schistosomiasis were reported and responded.

Alerts/ Outbreak Investigated and Responded in Epi-week 1, 2014

Suspected Disease	Governorate	District	HFs	Actions Taken / Notes	Cases	Deaths
Pertussis	Lahj	Labaos, Al-Maflahi and Yahar	Labaos, Al-Maflahi and Yahar HFs.	eDEWS team contact focal point, surveillance coordinator was informed, cases were diagnosed clinically using case definition by doctor in clinic. On job training of doctors about investigation was conducted. Reported cases were treated as per standard protocol for Pertussis.	10	0
AFP	Lahj	Labaos and Al-Aara	Labaos and Al-Aara HFs.	eDEWS team contacted focal point, the cases were a suspected AFP, surveillance coordinator was informed and a field visit was conducted accordingly, 4 stool samples were collected from the cases and from close contact and sent to central surveillance center in Sana'a	2	0
Measles	Lahj	Alara	alara hospital	eDEWS team contact focal point, information shared; cases were diagnosed clinically using case definition, blood samples were collected from the cases and will be sent to central lab in sana'a for confirmation.	2	0
Measles	Aden	Al Mansura and Al-Shaikh Othman	Al-Wali and Al-Wahda HFs..	eDEWS team contact focal point, 5 cases of measles were diagnosed in OPD. An investigation form were filled and blood samples were collected from 2 cases. Both form and blood sample will be sent to central lab in sana'a for confirmation . The cases were treated adequately.	5	0
AFP	Aden	Ash Shaikh Outhman	Al-Wahdah Hosp.	A suspected case of AFP was reported.She was a 5 year old female complained of lower limb paralysis on 26/12/2013. Two stool samples were collected from the case as well as samples from close contacts and sent to central surveillance center in Sana'a.	1	0
AVH	Aden	Al Mansura	Hashed Pol.Cl	eDEWS team contact focal point, three cases were reported from OPD, cases were diagnosed using cases definition, no blood samples were collected. No data of location available.	3	0
Measles	Abyan	Khanfir	MCH Ja'ar and Gaar HFs.	eDEWS team contact focal point, the cases were diagnosed clinically using case definition. Blood samples were collected from 2 cases and will be sent to central lab in sana'a for confirmation.	3	0
Meningitis	Taiz	Al Qahirah	Sweden Hospital	HF was visited ,, information shared , samples were sent to the HF lab. With negative results (No growth) .	33	0
Measles	Taiz	Al Qahirah and Salah	Sweden and Al-Wahda HFs.	Focal point contacted, information shared, samples were collected , and will be send to the centria lab. In Sanaa.	3	0
AVH	Taiz	Salh and Al-Qahirah	Al-Safwah and Sweden HFs.	A visit was conducted to the HF , 4 samples results were positive for Hepatitis A , pateints contact information were not available , the importance of detailed patients contact information was discussed again.	12	0
Measles	Hadramut	Alridh Qosear, Al-Shaher and Mukalla	Alridh, Qosear and University HFs.	eDEWS team contact focal point, surveillance coordinator was informed, the cases were diagnosed clinically using case definition. Blood samples were collected and sent to central lab in sana'a for confirmation.	4	0
Pertussis	Hadramut	Alridh Qosear	Qosear H. center	eDEWS team contact focal point, the cases were diagnosed clinically using case definition. Antibiotic treatment was given to the patient.	1	0
AFP	Hadramut	MUKALLA CITY	MCH mukalla	eDEWS team contact focal point, the cases were a suspected AFP, diagnosed clinically using case definition. Surveillance coordinator was informed, stool samples were collected from cases and close contact and sent to central surveillance center in Sana'a. One case was investigated by eDEWS team (paralysis after IM injection).	2	0
AVH	Ibb	Yarim	Dr.waheeb ata Hospital	Focal point was contacted.Investegation was done and with positive results of samples, appropriate treatment was given to the patients.	3	0
Measles	Ibb	Aludayn and Al-Sadah	Aludayn and Al-Shaheed Abdulmoghni HFs.	Focal piont and coordinator were contacted.samples collected and will be send to central Lab. In Sana'a.	3	0
OAD	Ibb	Almakhader	Balfakeeh	Focal point was contacted , the death case was for a 7 months F child ,arrived to the hospital emergency department C/O severe dehydration and in a bad condition with history of diarrhea since 3 days ago, resuscitation was done but the pateint died.	0	1
AFP	Ibb	Dhi sufal	Al khaida	Focal piont and coordinator were contacted,Sample was collected and sent to central lab. In Sana'a.	1	0
DF	Hodaiah	AL Hawak	ALAmal and Al-Aksa Hosp.	Focal point contacted , information shared , patients were diagnosed clincially only (Elisa test wasn't done) , importance of refrerance pateints to Hodaiah national lab for confirmation.	11	0
NNT	Hodaiah	AL Hawak	Althawrah Hosp.	eDEWS coordinator contacted focal point. The cases confirmed to be NNT, and treated appropriately, one case death due to sever complicated.	2	1
Diph	Hodaiah	AL Hawak	Althawrah Hosp.	eDEWS team contacted focal point. The cases confirmed to be Diphtheria , and treated appropriately..	1	0
CL	Hodaiah	AL Hawak	ALAmal Hosp.	eDEWS team contacted focal point. The cases diagnosed CL and treated appropriately. .	1	0
Meningitis	Hodaiah	AL Hawak	AlAksa Hosp.	eDEWS coordinator contacted meningitis focal point, cases diagnosed as meningitis and treated appropriately.	5	0
OAD	Hodaiah	AL Hawak	Althawrah Hosp.	eDEWS coordinator contacted focal point, the cases confirmed to be Acute diarrhea and treated appropriately, one cases death due to severe complication.	44	1
CL	hajjah	Abs and Khairan Al-Muharsq	Abs and Ibn Roshd HFs.	eDEWS team contacted focal point. The cases diagnosed CL and treated appropriately. No samples were collected from skin lesion.	2	0
AFP	hajjah	bani qais	bani qais health center	eDEWS team contacted focal point, and information shared.The case diagnosed according to the standard case definition. The case was female of 8 months old, from (bani gaylan). The collected samples of stool sent to the central level in Sana'a	1	0
Measles	Amana	Al-sabin, Azzal and Al-Wahda	Al-sabin, Al-Shaheed Abdulaziz, Azzal and Al-Shaheed HFs. .	eDEWS team contact focal point, information shared blood samples were collected from the cases and sent for lab confirmation.	6	0
AVH	Amana	Al-sabin	Al-shaheed Abdulaziz HC.	eDEWS team contact focal point, information shared, The cases confirmed by lab as a hepatitis A. No registration for the cases addresses.The importance of recording information about patients will be discussed with doctors..surveillance coordinator has been informed	5	0
Pertussis	Amana	Azzal and Old City	Azzal and Al-Zubairi HFs.	eDEWS team contact focal point, two brothers were diagnosed clinically using case definition. Antibiotic treatment was given to the patients.surveillance coordinator has been informed.	3	0
Measles	Saada	Saada, Sahar, Haydan,Saqayn and Majz	Al-jumhory, Al-Talh, Haydan, Saqayn, Dhahian and Majz HFs.	eDEWS team contact focal point, information shared, No blood samples were collected from the cases,	20	0
CL	Saada	Hydan and Ghamr	Hydan and Ghamr HFs.	eDEWS team contacted focal point. The cases confirmed to be CL and treated appropriately.	3	0
Schi	Saada	Majz	Dahyan Health Center	eDEWS team contact focal point, information shared, treatment were given.	13	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 All governorates (Aden, Abyan, Lahj, Taiz, Hadramout, Ibb, Hodaiah, Hajjah and Al-Amana) 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.