



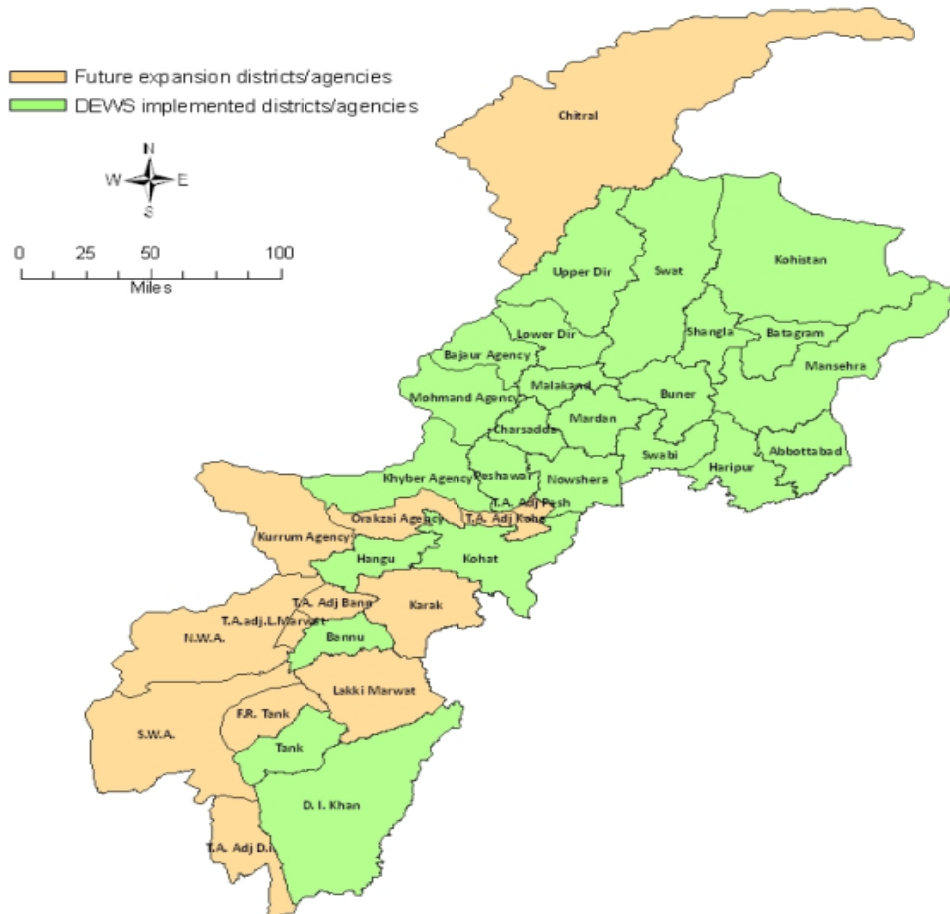
Weekly Epidemiological Bulletin

Electronic Disease Early Warning System & Response (eDEWS)

in Khyber Pakhtunkhwa and FATA

Epidemiological Week-4 (22nd January to 28th January, 2012)

DEWS implemented districts/agencies in Khyber Pukhtunkhwa/FATA



Priority diseases under surveillance in eDEWS

Respiratory Diseases

Acute (upper) respiratory infections
Pneumonia <5 years
Pneumonia > 5 years
Suspected Diphtheria
Suspected Pertussis

Gastro Intestinal Diseases

Acute Watery Diarrhea <5 year
Acute Watery Diarrhea > 5 year
Bloody Diarrhea <5 years
Bloody Diarrhea > 5 years
Other Acute Diarrhea < 5 years
Other Acute Diarrhea > 5 years
Suspected Enteric/Typhoid Fever

Other Communicable

Suspected Malaria
Suspected Meningitis
Suspected Dengue Fever
Suspected Viral Hemorrhagic Fever
Pyrexia Of Unknown Origin

Vaccine Preventable Diseases

Suspected Measles
Suspected Acute Viral Hepatitis
Chronic Viral Hepatitis
Neonatal Tetanus
Acute Flaccid Paralysis

Skin Disease

Scabies
Cutaneous Leishmaniasis

Injuries /Poisoning

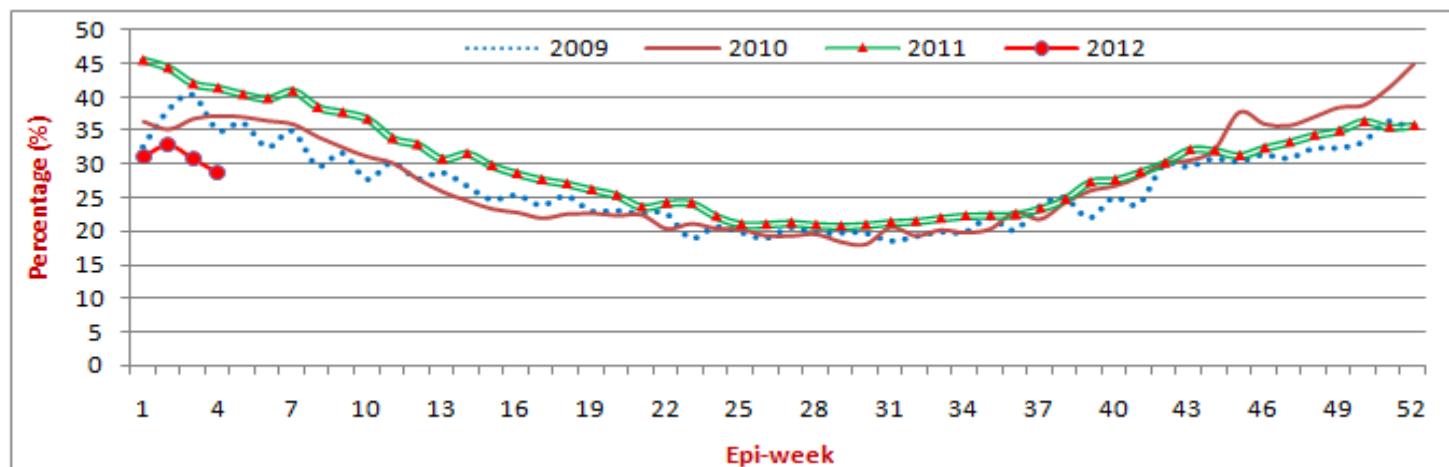
Snake bite (with signs/ symptoms of poisoning)

Other unusual diseases

Other unusual diseases (Specify below)

HIGHLIGHTS

- ❖ 14 districts and 1 agency provided surveillance data to the eDEWS this week from 410 health facilities on time.
- ❖ A total of 99,535 consultations were reported through eDEWS of which 29% (28,670 cases) were Acute Upper Respiratory Infection, is still the highest cause of morbidity of total consultations were showing 2% decrease in percentage as compared to week 3.
- ❖ Acute Diarrhea shared 5% (5,162) of the total consultations showing no change in percentage as compared to last four weeks.
- ❖ Pyrexia of Unknown Origin accounted for 4% (3,617 cases) out of total (99,535) consultations.
- ❖ Skin Infection (Skin Inf.) reported at 2.2% (2,403) and Typoid Fever comprised only 0.2% (192) out of total consultations.
- ❖ 35 alerts were reported in this week, Twenty six (26) for Suspected measles, Four (4) for H1N1, Three (3) for cutaneous Leishmaniasis while One (1) each for NNT and Pertussis.

Compiled situation in Khyber Pakhtunkhwa & FATA**Figure-1: Four years trend of Acute Respiratory Infection in Khyber Pakhtunkhwa/FATA (2009, 2010, 2011 and 2012)**

The above graph shows the trend of acute respiratory infection cases out of total consultations reported to DEWS in 2009, 2010, 2011 and 2012 up until now.

Table-1: Leading causes of seeking health care in flood affected districts, from 1st to 28th January 2012, compiled weekly reports

Disease name	Week-1	Week-2	Week-3	Week-4	Total Consultations
Acute Diarrhea	3,106 (5%)	4,959 (5%)	4,418 (5%)	5,162 (5%)	17,645 (5%)
Bloody Diarrhea	319 (1%)	600 (1%)	592 (1%)	876 (1%)	2,387 (1%)
Suspected Malaria	669 (1%)	1,144 (1%)	851 (1%)	966 (1%)	3,630 (%)
Skin Diseases	1,668 (3%)	2,291 (2%)	1,963 (2%)	2,403 (2%)	8,325 (2%)
Pyrexia of Unknown Origin	2,356 (4%)	3,320 (3%)	3,329 (4%)	3,617 (4%)	12,622 (4%)
Acute Respiratory Infection	19,564 (31%)	32,493 (33%)	27,718 (31%)	28,670 (29%)	108,445 31%)
Total Consultations	62,533	98,510	89,715	99,535	350,293

The above table shows compiled communicable diseases cases from weekly reports and proportional morbidity through eDEWS reported.

Since January 1, 2012, approximately **350,293** patient consultations have been reported to the eDEWS from Khyber Pukhtunkhwa province and Federal Administered Treaty Agency (FATA).

In this week 4, 2012 (22nd January to 28th January, 2012) reports were received from 410 health centers and the major causes for seeking health care by the communities in almost all of the regions were diarrheal diseases 5,162 (5%), acute respiratory infections 28,670 (29%), skin diseases 2,403 (2.4%) and suspected malaria 966 (1%).

Below figure 2 shows the number of health facilities and total number of consultation reported. Figure 3 shows the weekly percentage trend of ARI, Acute Diarrhea, suspected Malaria and Pyrexia of Unknown Origin in Khyber Pakhtunkhwa/FATA from week 1 to 4, 2012.

Figure-2: Total number of HF# reported and consultations

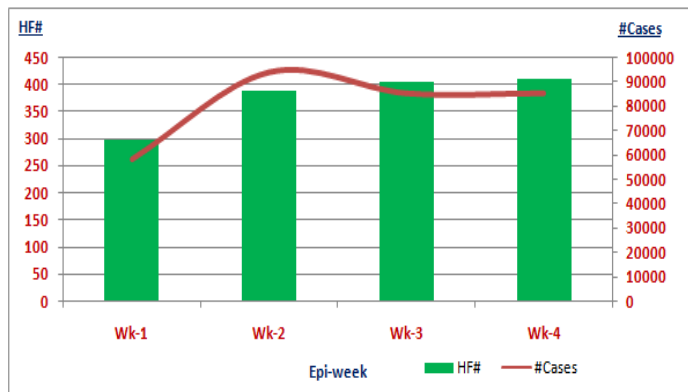


Figure-3: Leading communicable diseases percentage trend in Khyber Pakhtunkhwa/FATA (Week no.1, 2012 to Week no.4, 2012)

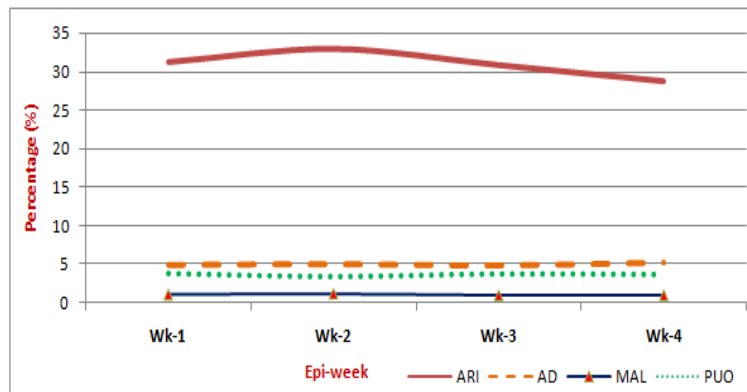


Table-2: Respiratory Diseases situation in Khyber Pakhtunkhwa and FATA

Respiratory Diseases	Week-3	Week-4
Upper Respiratory Infection	24,935	25,811
Pneumonia <5	1,735	1,702
Pneumonia >5	1,048	1,157

Figure-4:

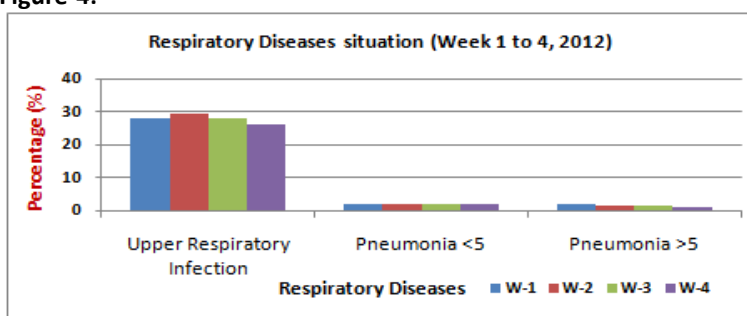


Table-3: Gastro Intestinal Diseases situation in Khyber Pakhtunkhwa and FATA

Gastro Intestinal Diseases	Week-3	Week-4
Bloody Diarrhea <5	243	394
Bloody Diarrhea >5	349	482
Acute Diarrhea <5	2,523	2,837
Acute Diarrhea >5	1,895	2,325
Typoid Fever	296	192

Figure-5:

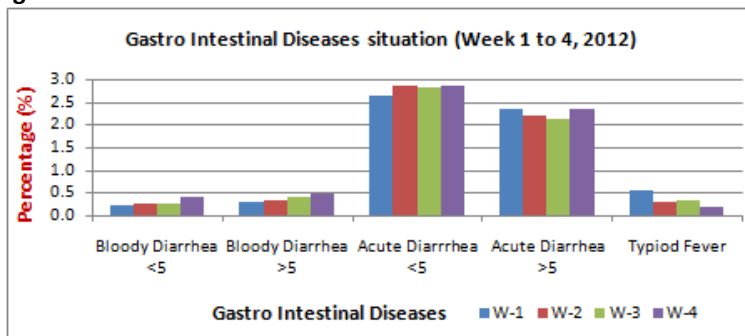


Table-4: Other Communicable Diseases situation in Khyber Pakhtunkhwa and FATA

Other Communicable Diseases	Week-3	Week-4
Suspected Malaria	851	966
Suspected Meningitis	5	9
Viral Hemorrhagic Fever	0	0
Pyrexia of Unknown Origin	3,329	3,617

Figure-6:

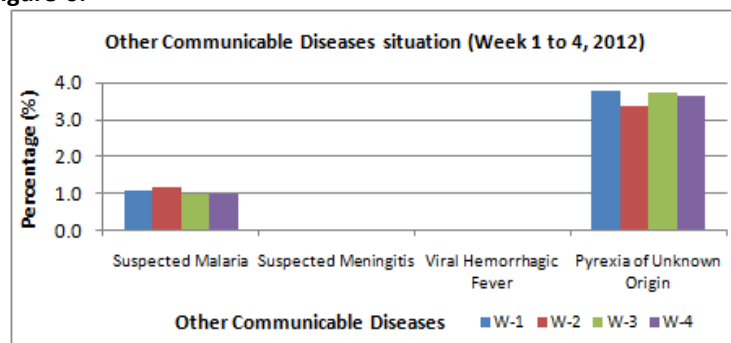


Table-5: Vaccine Preventable Diseases situation in Khyber Pakhtunkhwa and FATA

Vaccine Preventable Diseases	Week-3	Week-4
Suspected Measles	20	25
Suspected Acute Viral Hepatitis	80	60
Chronic Viral Hemorrhagic	31	19
Neonatal Tetanus	1	1
Acute Flaccid Paralysis	2	0

Figure-7:

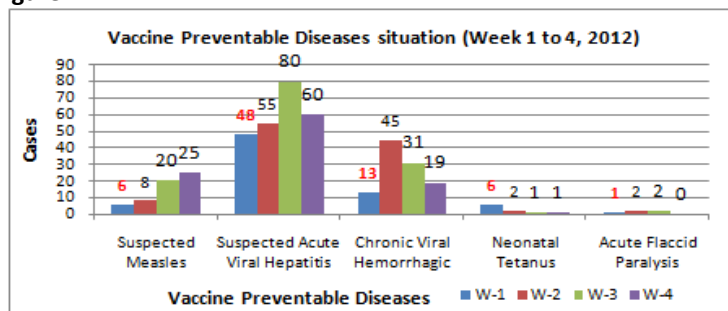


Table-6: Skin Diseases situation in Khyber Pakhtunkhwa and FATA

Skin Disease	Week-3	Week-4
Scabies	1,963	2,403
Cutaneous Leishmaniasis	15	20

Figure-8:

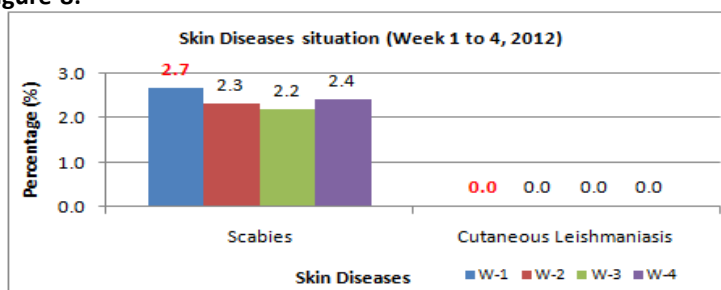
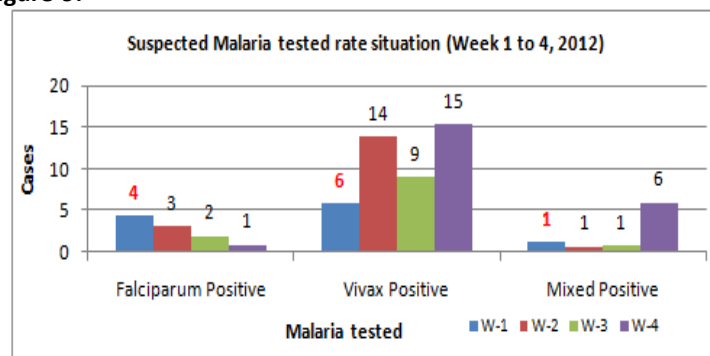


Table-7: Malaria tested situation in Khyber Pakhtunkhwa and FATA

Malaria Tested	Week-3	Week-4
Slide Examined	814	857
Falciparum Positive	16	8
Vivax Positive	73	131
Mixed Positive	6	51

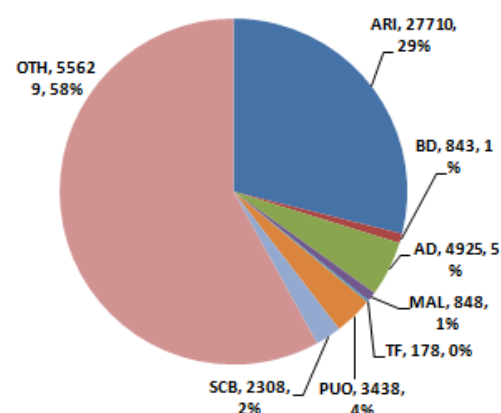
Figure-9:



Province Khyber Pakhtunkhwa:

Figure-10: Distribution of consultation by communicable diseases

- This week 14 districts reported to eDEWS from 390 health facilities with a total of 95,754 patients' consultations.
- Acute Respiratory Tract Infection (ARI) 27,710 cases reported were showing 2% decrease in percentage as compared to week 3 patients' visits and accounted for 29% of the total consultations.
- Other Acute Diarrhea (AD) cases 4,925 (5%) and Suspected Malaria (Mal) cases 848 (1%) were reported.
- While Pyrexia of Unknown Origin (PUO) cases 3,438 (4%), Typhoid Fever (TF) cases 178 (<1%) and Scabies cases 2,308 (2.4%) were reported



Current week's Alert/Outbreak in Khyber Pakhtunkhwa:

33 alerts were reported in this week, Twenty five (25) for Suspected measles, Four (4) for H1N1, Two (2) for cutaneous Leishmeniasis while One (1) each for NNT and Pertussis

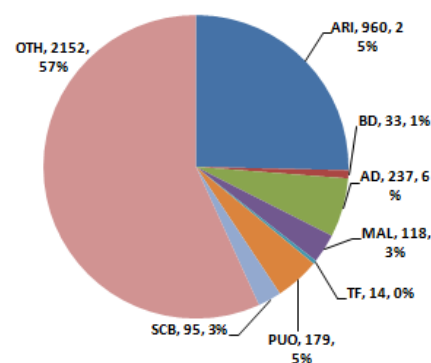
S. No.	Date Investigated	Suspected Disease	District	Location	<5 M	>5 M	<5 F	>5 F	Sample	Positive	Cases	Death
1	27-Jan-12	Measles	Kohat	Mustafa Bazaar, Outside tehsil gate, UC Urban II	0	1	0	1	2	-	2	0
2	23-Jan-12	Pertussis	Haripur	Ghazi city, Tehsil Ghazi	1	0	0	0	1	-	1	0
3	24-Jan-12	Leishmaniasis	Haripur	Afghan Refugee camp Dheenda	1	2	0	3	1	1	6	0
4	24-Jan-12	Leishmaniasis	Haripur	Afghan Refugee camp 15, Panian	0	1	0	0	1	1	1	0
5	28-Jan-12	Measles	Haripur	Khalabut Township	1	0	0	0	1	Awaited	1	0
6	23-Jan-12	Measles	Charsadda	Qudratabad	1	0	0	0	1	Awaited	1	0
7	24-Jan-12	Measles	Charsadda	Ijara Amanullah	0	0	1	0	1	Awaited	1	0
8	24-Jan-12	Measles	Charsadda	Palay Kallay	0	0	1	0	1	Awaited	1	0
9	23-Jan-12	Measles	Lower Dir	Village Tatar, UC & Tehsil Samrar Bagh.	5	2	6	0	2	Awaited	13	1
10	25-Jan-12	Measles	Lower Dir	Village Navey Koto, UC & Tehsil Samar Bagh.	2	2	4	2	2	Awaited	10	1
11	26-Jan-12	Measles	Lower Dir	Village Charmango, UC Mayar, Tehsil Samar Bagh	2	1	2	0	1	Awaited	5	0
12	27-Jan-12	NNT	Lower Dir	Village Watangy, UC Khall, Tehsil Khall	1	0	0	0	0	Clinically Diagnosed	1	0
13	28-Jan-12	Measles	Lower Dir	Village Rashakai, UC Mian Kalay, Tehsil Munda	0	0	1	0	1	Awaited	1	0
14	24-Jan-12	Measles	Nowshera	Pir Korona, Khweshgi Payan, Nowshera.	0	0	1	0	1	Awaited	1	0

15	24-Jan-12	Measles	Nowshera	Mohallah Abakhel, Khweshgi Payan, Nowshera.	1	2	1	0	1	Awaited	4	0
16	24-Jan-12	Measles	Nowshera	Tareen Abad, Khweshgi Bala, Nowshera.	0	0	1	0	1	Awaited	1	0
17	24-Jan-12	Measles	Nowshera	Sheikh Ahmad Baba, Mohallah: Ahmad Nagar, Khweshgi Bala, Nowshera.	3	0	0	0	2	Awaited	3	0
18	24-Jan-12	Measles	Nowshera	Kaka Sahib Nowshera 0345-9328356	1	0	0	0	1	Awaited	1	0
29	24-Jan-12	Measles	Peshawar	Uch Neher Baghwanan Phandu Road Peshawar 0302-5158525	0	0	0	1	1	Awaited	1	0
20	25-Jan-12	Measles	Charsadda	Mohalla Amat Khel Nahaqi Tehsil Shabqadar District Charsadda 0301-8870731	1	0	0	0	0	-	1	0
21	25-Jan-12	Measles	Charsadda	Khazana Dheri Kot Tarnao District Charsadda 0301-5895899	0	0	1	0	0	Awaited	1	0
22	24-Jan-12	H1N1	Swabi	BMC Swabi, Mankai	0	2	0	0	2	negative for H1N1, Positive Influenz a B	2	0
23	24-Jan-12	H1N1	Swabi	BMC Swabi, Gabasni	0	1	0	0	1	negative for H1N1, Positive Influenz a B	1	0
24	24-Jan-12	H1N1	Swabi	BMC Swabi	0	0	0	1	1	negative for H1N1, Positive Influenz a B	1	0
25	24-Jan-12	H1N1	Swabi	BMC Swabi, Gabasni	0	1	0	0	1	negative for H1N1, Positive Influenz a B	1	0
26	23-Jan-12	Measles	swat	Village Kishawra Shinkat Shaltaloo Road Angar, UC Kishawra, Tehsil Charbagh	1	0	0	0	1	Awaited	1	0
27	23-Jan-12	Measles	Swat	Village Barthana Sharif Abad, UC Barthana, Tehsil Matta	1	0	0	0	1	Awaited	1	0
28	24-Jan-12	Measles	Swat	Village Dadahara Gujar Abad near Telephone Exchange, UC Koz Aba Khel, Tehsil Kabal.	1	0	0	0	1	Awaited	1	0
29	24-Jan-12	Measles	Swat	Village Gul Kad No.2 near Chacha Jumat, UC Gul Kada, Tehsil Babuzai	0	0	1	0	1	Awaited	1	0
30	24-Jan-12	Measles	Swat	Village Marghuzar Cham, UC Islampur, Tehsil Babuzai	1	0	0	0	1	Awaited	1	0
31	25-Jan-12	Measles	Swat	Village Rashghata near lala abad, UC Panr, Tehsil Babuzai	0	0	1	0	1	Awaited	1	0
32	25-Jan-12	Measles	Swat	Village Imam Dherai, UC Koza Bandai, Tehsil Kabal	0	0	1	0	1	Awaited	1	0
33	25-Jan-12	Measles	Swat	Village Balogram, UC Odigram, Tehsil Babuzai	0	0	0	1	1	Awaited	1	0

Federal Administrated Treaty Agency (FATA):

Figure-10: Distribution of consultation by communicable diseases

- This week 1 agency reported to eDEWS from 20 health facilities with a total of 3,781 patients' consultations.
- Acute Respiratory Tract Infection (ARI) 960 cases reported were showing 2% decrease in percentage as compared to week 3 patients' visits and accounted for 25% of the total consultations.
- Other Acute Diarrhea (AD) cases 237 (6%) and Suspected Malaria (Mal) cases 118 (3%) were reported.
- While Pyrexia of Unknown Origin (PUO) cases 179 (5%), Typhoid Fever (TF) cases 14 (<1%) and Scabies cases 95 (3%) were reported



Current week's Alert/Outbreak in FATA:

Two (2) alerts were reported in this week, One for suspected Measles and One (1) for *cutaneous Leishmaniasis*.

S. No.	Date Investigated	Suspected Disease	Agency	Location	<5 M	>5 M	<5 F	>5 F	Sample	Positive	Cases	Death
1	24-Jan-12	Measles	Khyber Agency	Dara Adam Khel Khyber Agency 0343-9107978	2	0	0	0	2	Awaited	2	0
2	26-Jan-12	Leishmaniasis	Bajaur Agency	village shah danad, Ghundai and Koohi of Tehsil Salarzai	0	3	0	6	0	-	9	0

Figure-11: Total number of alerts/outbreak situation in KPK & FATA through eDEWS System (Week 4, 2012)

