**Iraq: EWARN & Disease Surveillance Bulletin**

**2016 Epidemiological Week: 30**

**Reporting Period:** 25 – 31 July, 2016

**Highlights**

- **Number of reporting sites:** Ninety-nine (99) reporting sites (76% of the total EWARN reporting sites) including fifty-six (56) in internally displaced peoples’ (IDPs) camps, three (3) in refugee camps and forty (40) mobile clinics submitted their weekly reports timely and completely.

- **Total number of consultations:** 30 121 (Male=15 758 and Female=18 363) marking a decrease of 4 023 since last week.

- **Leading causes of morbidity in the camps:** Acute respiratory tract infections (ARI) (n=12 433), acute diarrhea (AD) (n=2 615) and skin diseases (n=1 075) remained the leading causes of morbidity in all camps and displaced population areas served by mobile clinics during this reporting week.

- **Number of alerts:** Two (2) alerts were generated through EWARN. One alert was from IDPs camps and the other from refugee camps during this reporting week. The alerts were investigated within 72 hours, and verified as true and further investigated and responded by the relevant health cluster partners. (Details: see Alerts and Outbreaks Section).
Morbidity Patterns

IDP camps:

During Week 30, the proportions of acute respiratory tract infections (ARI), acute diarrhea and skin infestations including scabies in IDPs camps decreased (please see graph below).

Refugee camps:

During Week 30, the proportion of acute respiratory tract infections (ARI) and skin infestations including scabies indicated a slight increase from the previous week, while the proportions of acute diarrhea trends continued to decrease (see graph below).

Figure II: Distribution of acute respiratory infection, scabies and acute diarrhea in IDPs camps Week 1 –30, 2016

Figure III: Distribution of acute respiratory infection, scabies and acute diarrhea in refugee camps Week 1 –30, 2016
Distribution of the common diseases by proportion and location for IDPs Camps

The graph below indicates the proportion of cases of acute respiratory tract infections, acute diarrhea and skin infestations including scabies which comprises the highest leading causes of morbidity in IDPs camps for Week 30, 2016.

**Figure IV: Proportion of cases of ARI, scabies and AD in IDPs camps for Week 30, 2016**

Trends of diseases by proportion and location for refugee camps

The graph below indicates the proportion of cases of acute respiratory tract infections, acute diarrhea and skin infestations including scabies which comprises the highest leading causes of morbidity in refugee camps for Week 30, 2016.

**Figure V: Trend of proportions of cases of ARI, scabies and AD in refugee camps for Week 30, 2016**
Trend of diseases by proportion and location for the IDPs covered by mobile clinics

The graph below indicates the proportion of cases of acute respiratory tract infection cases, acute diarrhea and skin infestations including scabies which comprises the highest leading causes of morbidity of the IDPs covered by mobile clinics for Week 30, 2016.

![Graph of proportion of IDP cases for ARI, scabies and AD covered through mobile clinics](image)

**Figure VI: Trend of proportions of IDP cases for ARI, scabies and AD covered by mobile clinics for Week 30, 2016**

Trends of measles disease

From Week 1 to Week 30 in 2016, there were 67 reported suspected measles cases from all the EWARN reporting sites. Disease trends' peaks were observed during Week 7 and Week 17. Almost 52% (35 cases) reported from Sulaymaniyah were sporadic throughout year 2016 weeks (please see graph below). Sulaymaniyah continued to report measles cases during recent weeks. Cases of measles in Sulaymaniyah governorates were reported in Ashti camp (16 cases, 46%), Arbat IDPs camp (5 cases, 14%), IDPs in Chamchamal (4 cases, 12%), Arbat refugee camp (5 cases, 14%), New Halabja IDPs (3 cases, 9%) and Piramigroon IDPs (2 cases, 6%).

![Distribution of suspected measles reported cases by weeks, 1-30, 2016](image)

**Figure VII: Distribution of suspected measles reported cases by governorate, Week 1–30, 2016**
The graph below shows the trends of waterborne diseases (acute diarrhea, bloody diarrhea and acute jaundice syndrome) reported from IDPs and refugee camps. Trends indicated a fluctuation among IDPs while they decreased in the refugee camps. (see graph below)

**Trends of acute diarrhea**

The graph below show trends of acute diarrhea (AD) reported in the period from Week 1 to Week 30 in 2015 and 2016 through the EWARN system. This week showed a slight decreased trend of the disease in compared to the last two weeks. During Week 30, 2016, Anbar reported 49% of total reported AD cases, followed by Dohuk (16%), Erbil (10%), Ninewa (8%) and Sulaymaniyah (6%).

The cumulative incidence (CI) of AD cases during Week 30, 2016 in Anbar governorate is 6 cases per 1 000 people at risk, Erbil, 3 cases per 1 000 people, Kirkuk, 3 cases per 1 000 people, Dohuk, 2 cases per 1 000 people, Sulaymaniyah, 2 cases per 1 000 people and Ninewa, 1 case per 1 000 people.

![Graph showing trends of acute diarrhea from IDPs and refugee camps](image-url)
Two alerts were generated through EWARN following the defined thresholds. One alert was from IDPs camps and one from refugee camps during this reporting week. These alerts were investigated within 72 hours and were verified as true and were further investigated and responded by the respective Governorates Departments of Health, WHO and the relevant health cluster partners. (please see Alerts and Outbreaks table).

<table>
<thead>
<tr>
<th>Sn</th>
<th>Alert</th>
<th>Location</th>
<th>Governorate</th>
<th>District</th>
<th>IDP/Refugee Camp</th>
<th># of cases</th>
<th>Run by</th>
<th>Investigation and Response within 48-72h DOH/WHO/NGO</th>
<th>Sample Taken</th>
<th>Alerts Outcome True/False</th>
<th>Public Health Intervention s Conducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Food poisoning</td>
<td>Bajet Kandala</td>
<td>Dahuk</td>
<td>Zako</td>
<td>IDPs</td>
<td>4</td>
<td>PU-AMI</td>
<td>Yes</td>
<td>No</td>
<td>TRUE</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>Suspected Measles</td>
<td>Arbat Camp</td>
<td>Sulaymaniyah</td>
<td>Arbat</td>
<td>Refugee</td>
<td>1</td>
<td>EMERGENCY</td>
<td>Yes</td>
<td>Yes</td>
<td>TRUE</td>
<td>No</td>
</tr>
</tbody>
</table>

**Trends of Alerts**

The graph below shows the numbers of alerts (true & false) generated through EWARNs per week, which have been investigated and responded accordingly by the Ministry of Health, WHO and health cluster partners.

For comments or questions, please contact

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EWARN Dashboard link: http://irq-data.emro.who.int/ewarn/