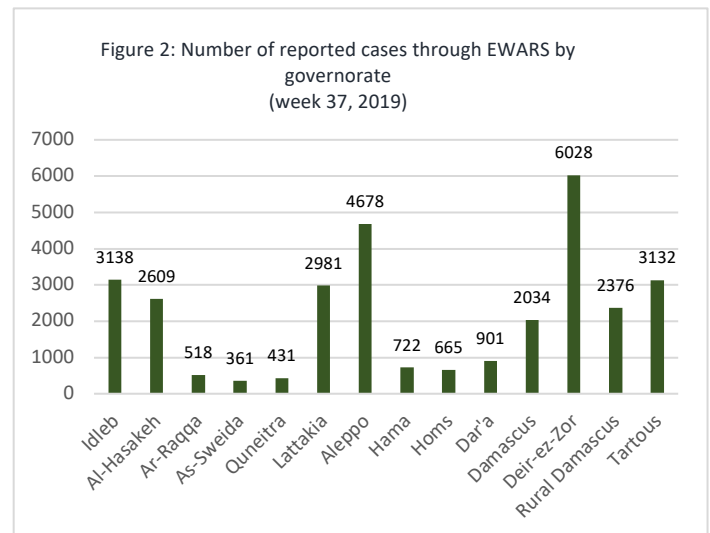
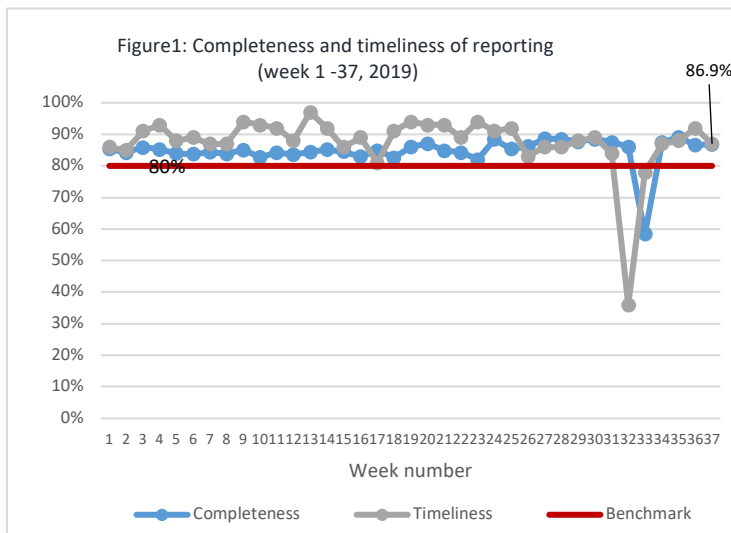


## Highlights

- A total of 257 428 consultations were recorded in all the 14 governorates in week 37.
- The leading causes of morbidity among all age groups were influenza-like illnesses (52.3%) and acute diarrhea (33.6%).
- 43 suspected measles cases were reported during week 37. Among them, the blood specimens of 35 cases were collected and tested at the reference laboratory in Damascus. The laboratory result showed all negative for measles.
- Three acute flaccid paralysis cases were reported in Tartous (2 cases), and on case in Homs. The stool samples were collected and transported to the polio reference laboratory in Damascus. The all samples tested were negative for *poliomyelitis*.
- There was increase in ILI cases by 17% to previous week, number of ILI cases reported in weeks 37 was 15991.

## Performance Indicators

- A total of 1114 out of 1282 active reporting sites (86.9%) in all 14 governorates of Syria reported through EWARS, with 87% timeliness among those sites providing data during week 37 (Figure 1).



## Morbidity

### 1. Proportional Morbidity

- A total of 257 428 consultations were recorded in 1114 health facilities in 14 governorates in week 37, 2019. Among them, 30 574 cases were EWARS notifiable health conditions (Figure 2).
- Among all age groups, the leading causes of morbidity influenza-like illnesses (ILI) (52.3%), and acute diarrhea (AD) (33.6%).
- Of the 30 574 total reported cases, 50.2% (15 363) were female, and 42.8% (13 071) were children under 5 years old.
- Among children under 5 years of age, 45.8% cases are ILI and 41.2% of cases are AD during this reporting period (Figure 3).
- There was a slight upward trend of AD among the total consultations observed in week 37 (Figure 4).

Figure3: Proportional morbidity by age group in week 37, 2019

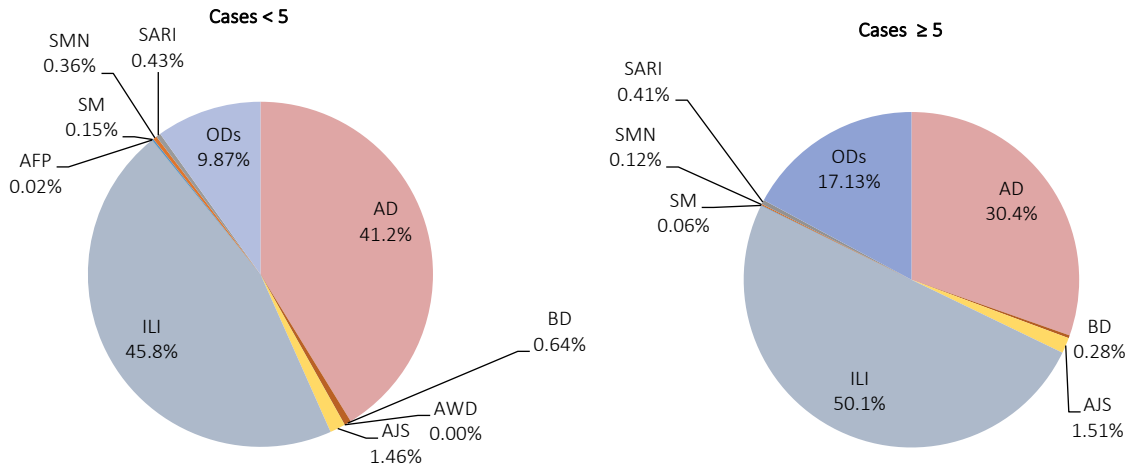
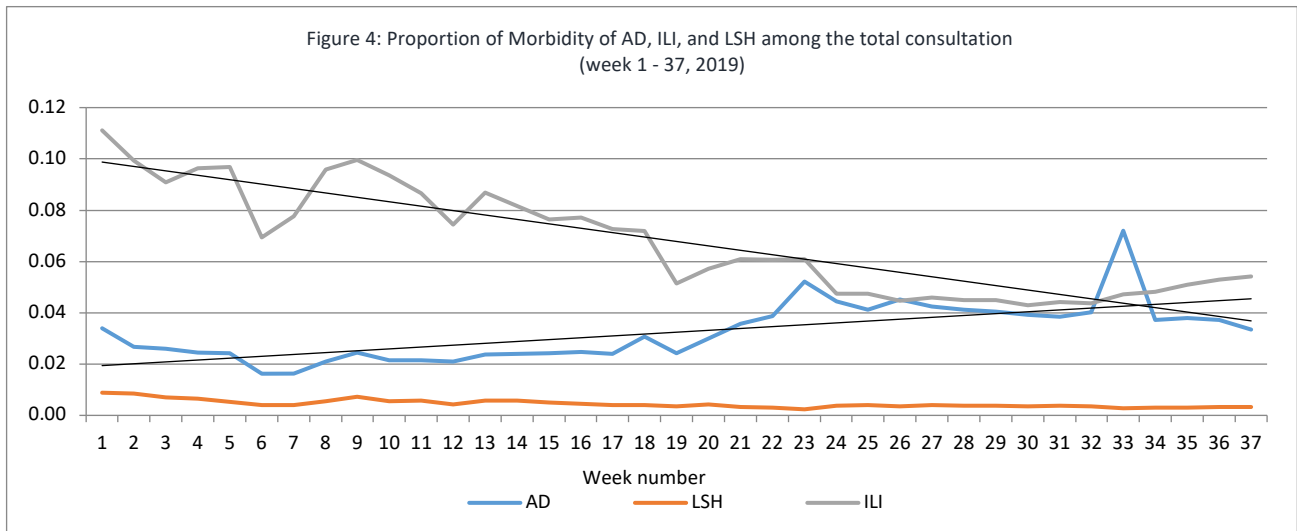


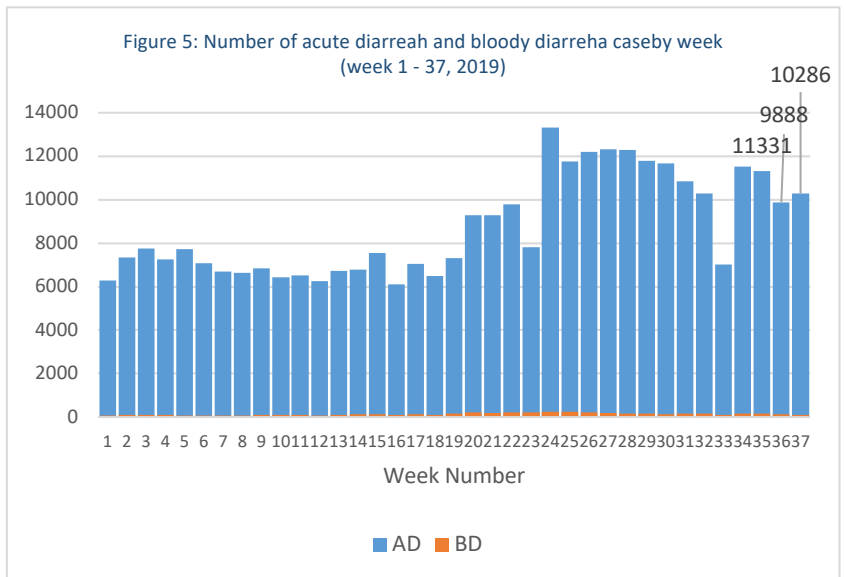
Figure 4: Proportion of Morbidity of AD, ILI, and LSH among the total consultation (week 1 - 37, 2019)



## 2. Waterborne Diseases

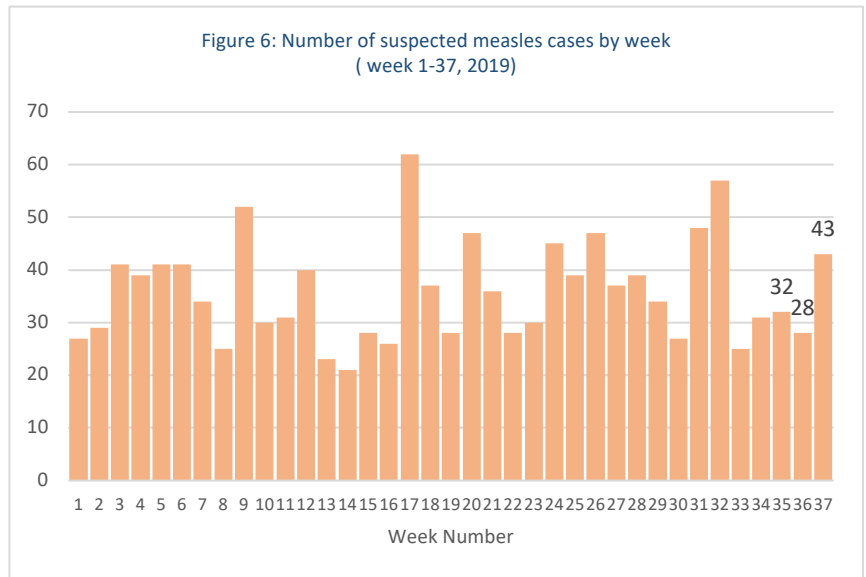
- There was no cases of acute watery diarrhea (AWD) in week 37.
- In total 10286 cases of acute diarrhea were reported. There is a slight increase of the number was observed compared to the previous week (9888) (Figure 5).

Figure 5: Number of acute diarrhea and bloody diarrhea case by week (week 1 - 37, 2019)



### 3. Vaccine Preventable Diseases

- There cases of acute flaccid paralysis (AFP) were reported from Homs and Tartous.
- The total number of suspected measles (SM) case in week 37 was 43. There was increase of SM cases in week 37 by 53% compared to previous week. In total, 1328 suspected measles cases have been reported in 2019, and most cases were reported from Deir-ez-Zor (22.3%), Idleb (14.2%), and Ar-Raqqa (13.6%).
- By week 35 of 2019, total confirmed measles cases are 26 cases, and the coverage of measles vaccination at the national level during 2019 is 84%.



### 4. Other Diseases

- 3485 cases were reported as “other diseases” through EWARS. The health conditions with the highest incidents were leishmaniasis (882), lice (697), and typhoid (445).

## Public Health Response Actions

#### Acute flaccid paralysis

Three AFP cases were reported during week 37. The stool sample from the case reported from Damascus was collected and tested at the polio reference laboratory in Damascus, and the result showed the case negative for *poliomyelitis*.

#### Suspected measles

A total of 43 suspected measles cases was reported during week 37. 30 cases are under 5 years old and 13 cases are above 5. All the cases were investigated by rapid response teams of the health directorates except for the cases reported from Idleb governorate (7 cases) where the access is limited. The blood specimens from 35 suspected measles cases were collected and tested for IgM ELISA at the reference laboratory in Damascus. The laboratory result showed that all the tested cases negative for measles.

## Comparison with Previous Week by Health Condition

| Disease                                   | Week 36       | Week 37       |
|---|---------------|---------------|
| Acute diarrhea (AD)                       | 9 888         | 10 286        |
| Bloody diarrhea (BD)                      | 122           | 111           |
| Acute watery diarrhea (AWD)               | 0             | 0             |
| Acute jaundice syndrome (AJS)             | 420           | 364           |
| Influenza like illness (ILI)              | 13 638        | 15 991        |
| Acute flaccid paralysis (AFP)             | 2             | 3             |
| Suspected measles (SM)                    | 28            | 43            |
| Suspected meningitis (SMN)                | 63            | 65            |
| Typhoid fever (TYF)                       | 678           | 445           |
| Brucellosis (BRU)                         | 457           | 341           |
| Suspected tuberculosis (TB)               | 35            | 38            |
| Severe acute respiratory infection (SARI) | 118           | 226           |
| Suspected pertussis (PER)                 | 84            | 61            |
| suspected leishmaniasis (LSH)             | 810           | 882           |
| Suspected chickenpox (CHP)                | 267           | 185           |
| Scabies (SCA)                             | 394           | 361           |
| Lice (LIC)                                | 701           | 697           |
| Suspected mumps (MUM)                     | 88            | 70            |
| Others                                    | 451           | 405           |
| <b>Total</b>                              | <b>28 244</b> | <b>30 574</b> |

## Case Distribution by Age Group, and by Governorate

Week 37, 2019

|   |     | Idleb | Al-Hasakah | Ar-Raqqa | As-Sweida | Quneitra | Lattakia | Aleppo | Hama | Homs | Dar'a | Damascus | Deir-ez-Zor | Rural Damascus | Tartous | Total |
|---|-----|-------|------------|----------|-----------|----------|----------|--------|------|------|-------|----------|-------------|----------------|---------|-------|
| Acute diarrhea (AD)                       | < 5 | 848   | 715        | 176      | 51        | 40       | 323      | 798    | 173  | 147  | 151   | 440      | 992         | 205            | 185     | 5244  |
|   | ≥ 5 | 770   | 494        | 114      | 58        | 40       | 402      | 611    | 198  | 122  | 193   | 473      | 932         | 240            | 395     | 5042  |
| Bloody diarrhea (BD)                      | < 5 | 0     | 8          | 27       | 0         | 0        | 0        | 0      | 0    | 1    | 5     | 3        | 27          | 0              | 0       | 71    |
|   | ≥ 5 | 0     | 6          | 16       | 0         | 0        | 0        | 2      | 0    | 0    | 3     | 4        | 8           | 0              | 1       | 40    |
| Acute watery diarrhea (AWD)               | < 5 | 0     | 0          | 0        | 0         | 0        | 0        | 0      | 0    | 0    | 0     | 0        | 0           | 0              | 0       | 0     |
|   | ≥ 5 | 0     | 0          | 0        | 0         | 0        | 0        | 0      | 0    | 0    | 0     | 0        | 0           | 0              | 0       | 0     |
| Acute jaundice syndrome (AJS)             | < 5 | 31    | 1          | 34       | 1         | 0        | 2        | 4      | 3    | 2    | 10    | 7        | 56          | 2              | 0       | 153   |
|   | ≥ 5 | 32    | 5          | 22       | 9         | 4        | 7        | 13     | 23   | 6    | 33    | 19       | 23          | 12             | 3       | 211   |
| Influenza like illness (ILI)              | < 5 | 428   | 492        | 40       | 92        | 89       | 817      | 1107   | 35   | 103  | 140   | 318      | 1506        | 653            | 662     | 6482  |
|   | ≥ 5 | 389   | 753        | 47       | 119       | 232      | 1223     | 1459   | 43   | 203  | 211   | 658      | 1279        | 1081           | 1812    | 9509  |
| Acute flaccid paralysis (AFP)             | < 5 | 0     | 0          | 0        | 0         | 0        | 0        | 0      | 0    | 1    | 0     | 0        | 0           | 0              | 0       | 1     |
|   | ≥ 5 | 0     | 0          | 0        | 0         | 0        | 0        | 0      | 0    | 0    | 0     | 0        | 0           | 0              | 2       | 2     |
| Suspected measles (SM)                    | < 5 | 1     | 2          | 14       | 0         | 0        | 0        | 1      | 0    | 0    | 3     | 2        | 5           | 1              | 1       | 30    |
|   | ≥ 5 | 6     | 3          | 0        | 0         | 1        | 0        | 0      | 0    | 0    | 1     | 0        | 0           | 1              | 1       | 13    |
| Suspected meningitis (SMN)                | < 5 | 1     | 1          | 0        | 1         | 0        | 2        | 4      | 3    | 0    | 4     | 3        | 12          | 0              | 3       | 34    |
|   | ≥ 5 | 9     | 0          | 2        | 4         | 0        | 0        | 1      | 5    | 2    | 1     | 3        | 2           | 0              | 2       | 31    |
| Severe acute respiratory infection (SARI) | < 5 | 0     | 6          | 0        | 0         | 0        | 8        | 4      | 12   | 0    | 0     | 20       | 8           | 0              | 14      | 72    |
|   | ≥ 5 | 2     | 8          | 0        | 5         | 0        | 13       | 0      | 55   | 0    | 0     | 40       | 5           | 0              | 26      | 154   |
| Typhoid fever (TYF)                       | < 5 | 3     | 1          | 0        | 0         | 0        | 0        | 0      | 1    | 1    | 6     | 0        | 26          | 3              | 0       | 41    |
|   | ≥ 5 | 16    | 6          | 6        | 0         | 6        | 0        | 17     | 13   | 9    | 58    | 5        | 252         | 16             | 0       | 404   |
| Brucellosis (BRU)                         | < 5 | 2     | 0          | 0        | 0         | 0        | 1        | 5      | 1    | 1    | 1     | 0        | 32          | 4              | 0       | 47    |
|   | ≥ 5 | 13    | 4          | 0        | 0         | 3        | 0        | 17     | 8    | 13   | 19    | 13       | 184         | 20             | 0       | 294   |
| Suspected tuberculosis (TB)               | < 5 | 5     | 0          | 0        | 0         | 0        | 0        | 1      | 0    | 0    | 0     | 0        | 0           | 0              | 0       | 6     |
|   | ≥ 5 | 2     | 0          | 0        | 1         | 0        | 0        | 19     | 0    | 0    | 0     | 2        | 0           | 4              | 4       | 32    |
| Suspected pertussis (PER)                 | < 5 | 33    | 1          | 3        | 0         | 0        | 0        | 2      | 0    | 0    | 0     | 0        | 11          | 0              | 0       | 50    |
|   | ≥ 5 | 10    | 0          | 0        | 0         | 0        | 0        | 0      | 0    | 0    | 0     | 0        | 1           | 0              | 0       | 11    |
| suspected leishmaniasis (LSH)             | < 5 | 85    | 10         | 3        | 0         | 0        | 3        | 73     | 4    | 0    | 0     | 4        | 33          | 1              | 0       | 216   |
|   | ≥ 5 | 123   | 15         | 4        | 0         | 0        | 9        | 387    | 78   | 1    | 0     | 1        | 32          | 5              | 11      | 666   |
| Suspected chickenpox (CHP)                | < 5 | 9     | 10         | 0        | 0         | 3        | 0        | 9      | 4    | 2    | 2     | 1        | 61          | 2              | 2       | 105   |
|   | ≥ 5 | 21    | 8          | 0        | 0         | 0        | 0        | 11     | 2    | 0    | 0     | 2        | 30          | 2              | 4       | 80    |
| Scabies (SCA)                             | < 5 | 25    | 5          | 0        | 0         | 0        | 8        | 5      | 1    | 2    | 2     | 2        | 77          | 0              | 0       | 127   |
|   | ≥ 5 | 31    | 8          | 0        | 2         | 1        | 12       | 33     | 5    | 17   | 13    | 5        | 106         | 1              | 0       | 234   |
| Lice (LIC)                                | < 5 | 92    | 7          | 0        | 5         | 2        | 5        | 18     | 2    | 6    | 3     | 0        | 43          | 14             | 0       | 197   |
|   | ≥ 5 | 136   | 5          | 0        | 13        | 4        | 135      | 59     | 46   | 9    | 4     | 3        | 73          | 13             | 0       | 500   |
| Suspected mumps (MUM)                     | < 5 | 0     | 23         | 0        | 0         | 1        | 6        | 8      | 0    | 6    | 7     | 1        | 101         | 10             | 1       | 164   |
|   | ≥ 5 | 0     | 8          | 0        | 0         | 5        | 5        | 9      | 4    | 9    | 30    | 3        | 81          | 84             | 3       | 241   |
| Others                                    | < 5 | 0     | 0          | 9        | 0         | 0        | 0        | 1      | 2    | 2    | 1     | 2        | 14          | 0              | 0       | 31    |
|   | ≥ 5 | 15    | 4          | 1        | 0         | 0        | 0        | 0      | 1    | 0    | 0     | 0        | 16          | 2              | 0       | 39    |
| Total of < 5                              |     | 1563  | 1282       | 306      | 150       | 135      | 1175     | 2040   | 241  | 274  | 335   | 803      | 3004        | 895            | 868     | 13071 |
| Total of ≥ 5                              |     | 1575  | 1327       | 212      | 211       | 296      | 1806     | 2638   | 481  | 391  | 566   | 1231     | 3024        | 1481           | 2264    | 17503 |
| Grand total                               |     | 3138  | 2609       | 518      | 361       | 431      | 2981     | 4678   | 722  | 665  | 901   | 2034     | 6028        | 2376           | 3132    | 30574 |