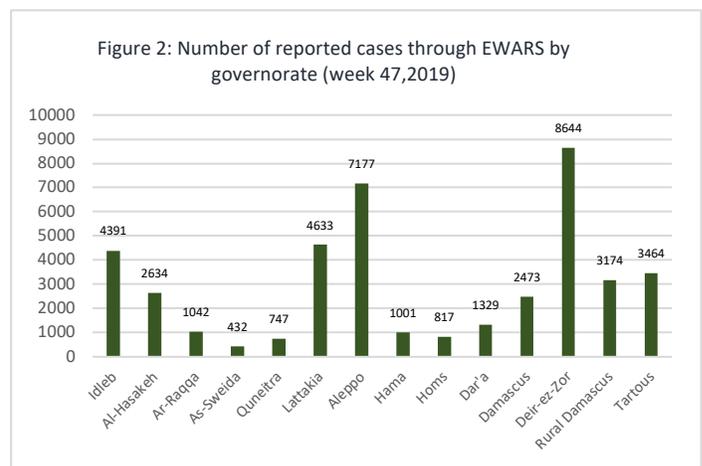
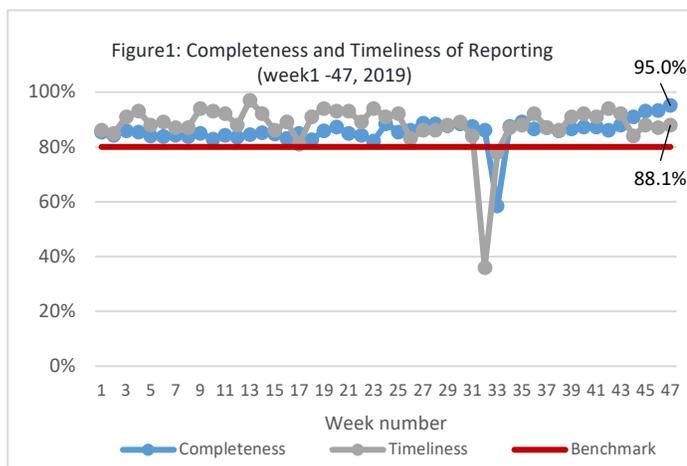


## Highlights

- A total of 289 738 consultations were recorded in all the 14 governorates in week 47.
- The leading causes of morbidity among all age groups were influenza-like illnesses (64.8%) and acute diarrhea (24.7%).
- 33 suspected measles cases were reported during week 47. The blood specimens of 25 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 week 47 from Homs, Hama and Tartous.
- An increase of cutaneous leishmaniasis cases has been observed and a total of 1640 cases were reported. Deir-ez-Zor accounts for 37.7% of the reported cases.

## Performance Indicators

- A total of 1188 out of 1250 active reporting sites (95.0%) in all 14 governorates of Syria reported through EWARS, with 88.1% timeliness among those sites providing data during week 47 (Figure 1).



## Morbidity

### 1. Proportional Morbidity

- A total of 289 738 consultations were recorded in 1188 health facilities in 14 governorates in week 47, 2019 (Figure 2). Among them, 41 958 cases were EWARS notifiable health conditions.
- Among all age groups, the leading causes of morbidity influenza-like illnesses (ILI) (64.8%), and acute diarrhea (AD) (24.7%).
- Of the 41 958 total reported cases, 50.4% (21 172) were female, and 44.2% (18 545) were children under 5 years old.
- Among children under 5 years of age, 63.5% of cases are ILI, and AD representing 28.3% of the cases during this reporting period (Figure 3).
- There was increase in the proportional morbidity of ILI to total consultations in week 47 (Figure 4). The increase is in line with seasonality of ILI compared to the proportional morbidity in the previous year (Figure 7).

Figure3: Proportional morbidity by age group in week 47, 2019

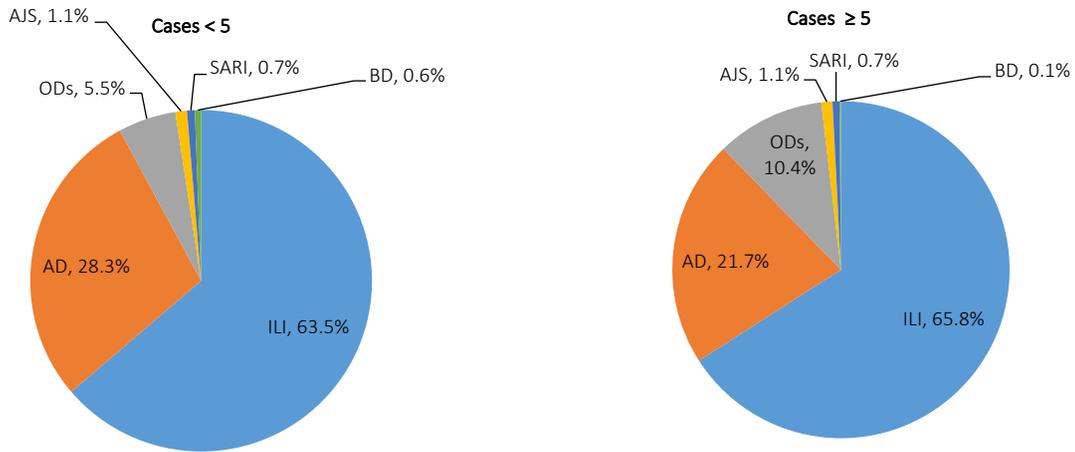
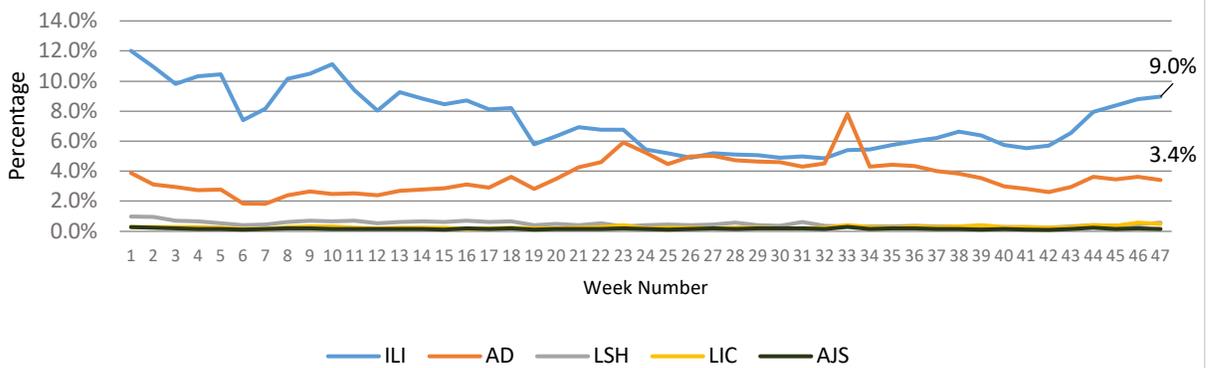


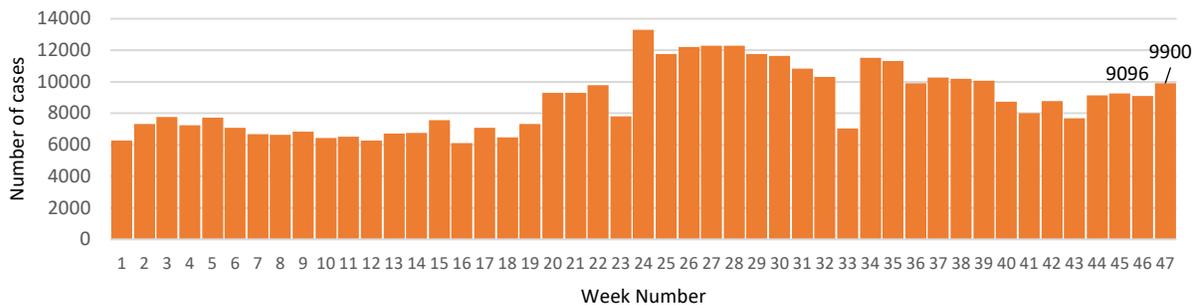
Figure 4: Proportion of Morbidity of top 5 diseases among the total consultation (week 1 - 47, 2019)



## 2. Waterborne Diseases

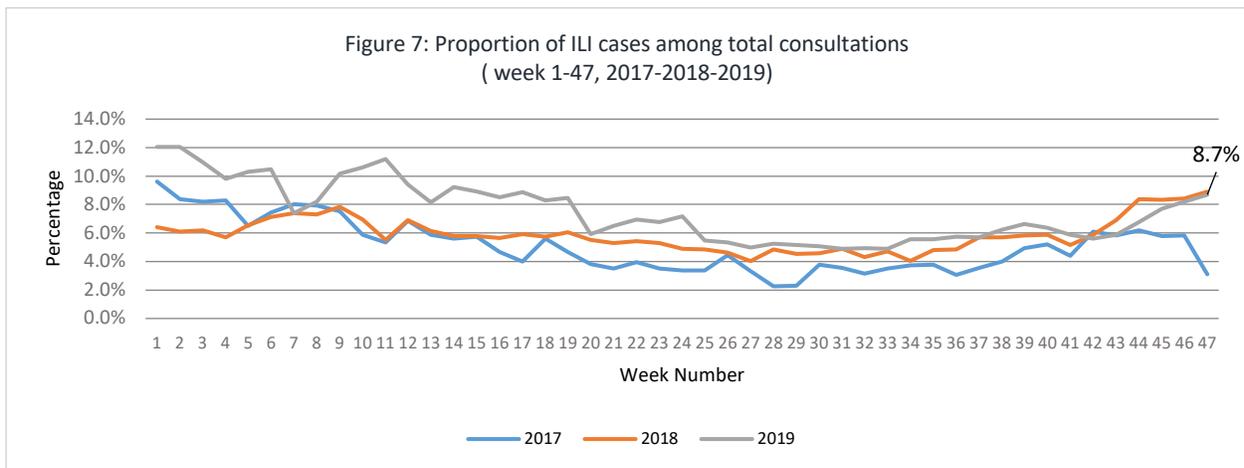
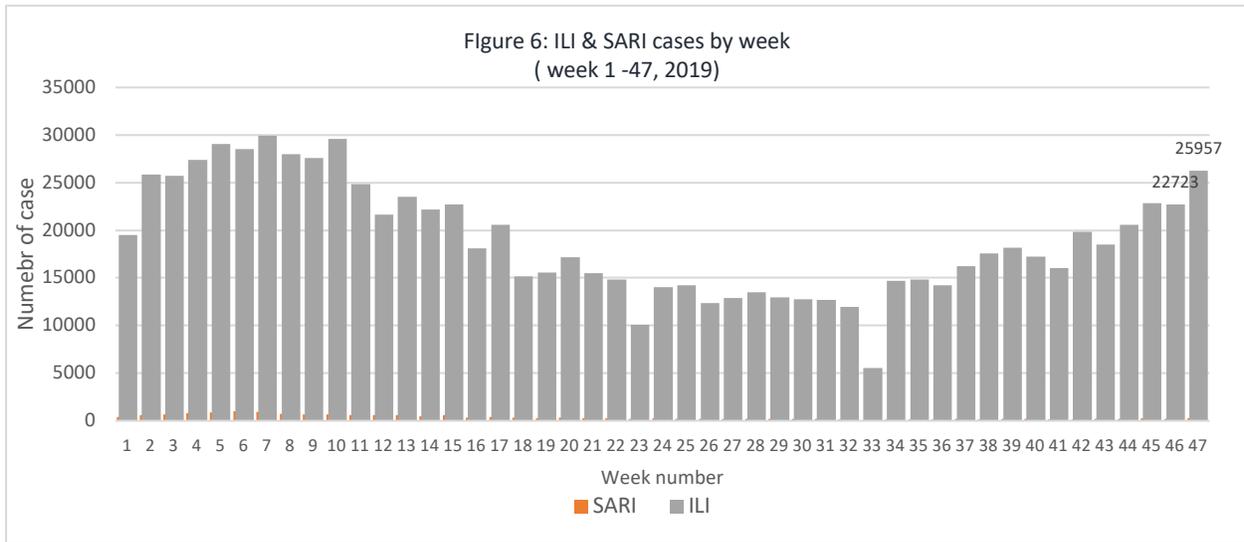
- There no case of acute watery diarrhea (AWD) in week 47.
- A total of 9900 AD case were reported during week 47 (Figure 5) . The proportional morbidity of AD cases among the total consultation decreased by 0.2% compared to the previous week.

Figure 5: Number of acute diarrhea by week ( week 1-47, 2019)



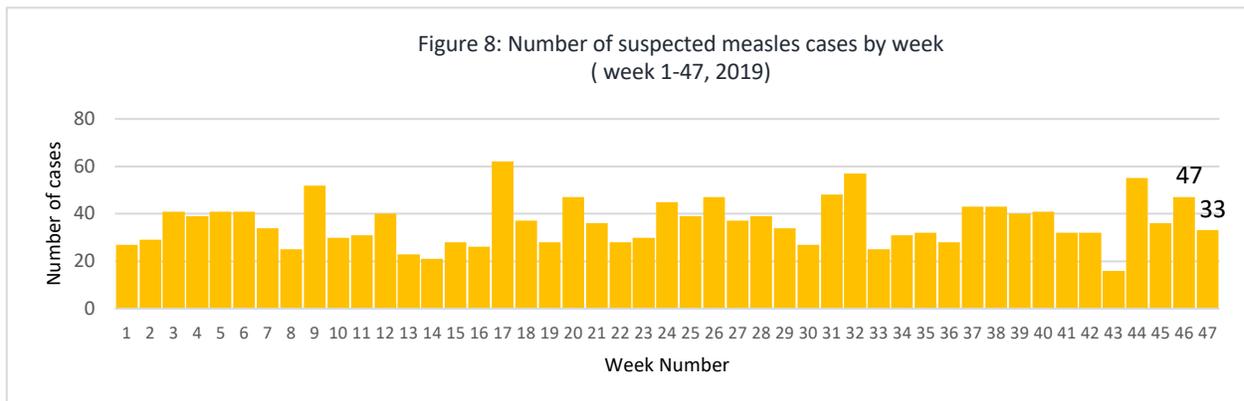
### 3. Respiratory Diseases

- In total, 25 957 ILI cases were reported during week 47 (Figure 6), which increased by 19.0% compared to the average reported cases in the previous three weeks. The proportional morbidity of ILI among the total consultation is 8.7% which shows the similar trend as the previous year (Figure 7) .
- The total of 280 Severe acute respiratory infection (SARI) cases were reported during week 47.



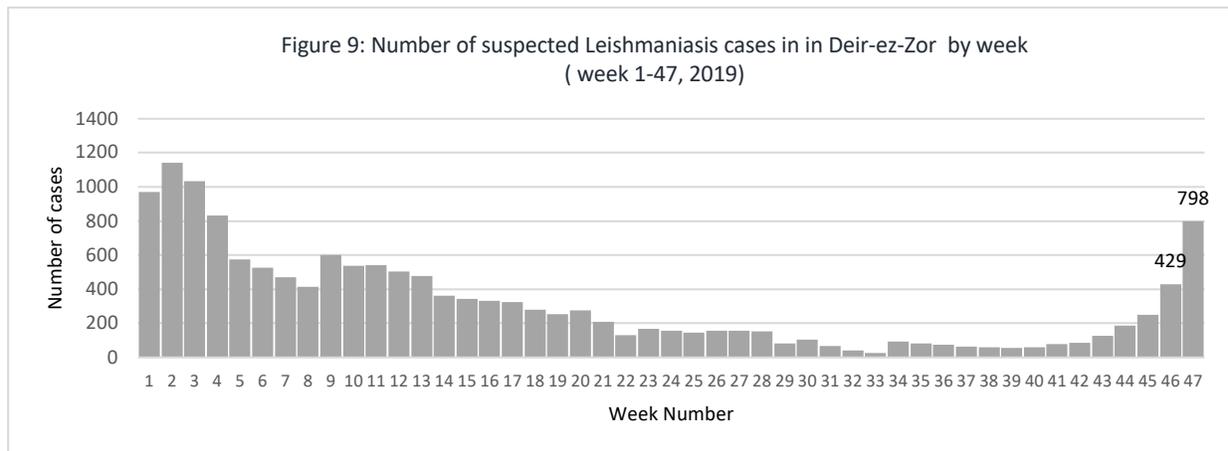
### 4. Vaccine Preventable Diseases

- Three cases of acute flaccid paralysis (AFP) were reported in week 47 each from Hama, Homs and Tartous.
- Number of suspected measles in week 47 was 33 cases. In total, 1703 suspected measles cases have been reported in 2019. Most cases were reported from Deir-ez-Zor (20.4%), Ar-Raqqa (16.4%), and Idleb (14.9%).



## 5. Other Diseases

- 5146 cases were reported as “other diseases” through EWARS. The health conditions with the highest incidents were leishmaniasis (1640), lice (1408), and scabies (567).
- An increase of suspected cutaneous leishmaniasis cases has been reported since week 42 especially in Deir-ez-Zor governorate where the number of cases increased by 86.0% (Figure 9). During week 47, most of cases were reported from Deir-ezZor (48.7%), Aleppo (32.7%), and Idleb (10.9%). In 2019, a total of 5560 confirmed cutaneous leishmaniasis cases were reported in Deir-ez-Zor by the end of October.



## Public Health Response Actions

### *Suspected measles*

A total of 33 suspected measles cases was reported during week 47. All the cases were investigated by rapid response teams of the health directorates except for the cases reported from Idleb governorate (8 cases) where the access is limited. The blood specimens from 25 suspected cases were collected and tested for IgM ELISA at the reference laboratory in Damascus. The laboratory result showed all 38 samples were negative for measles.

### *Acute flaccid paralysis*

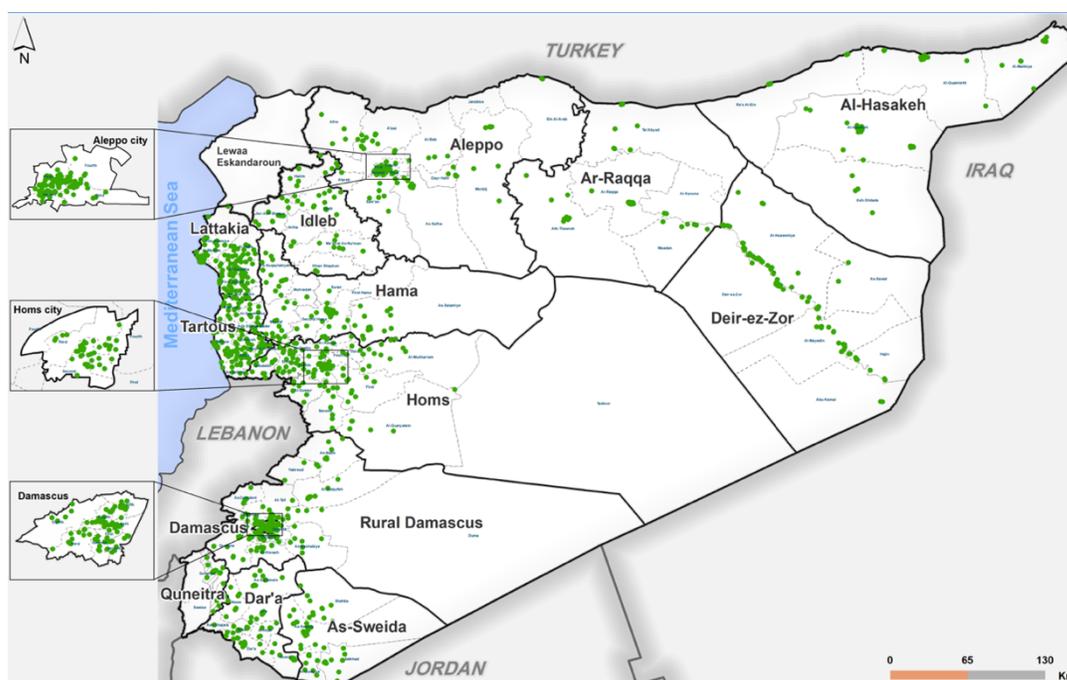
- Three AFP cases were reported during week 47. One case was child under 5 years old reported from Tartous, the other two cases were children above 5 years old, each reported from Homs and Hama. The stool samples from the all three cases were collected and tested at the polio reference laboratory in Damascus, and the result showed the all case were negative for poliomyelitis.
- The Sub-National Immunization Days in Syria (17-21 November) targeted almost 1 million children under the age of 5 years of age with one dose of bivalent OPV vaccine. The reported coverage is 728,311 children from the total accessible (accessible = 767,166 children) hence the adjusted coverage is 95%. The inaccessible children are in Idleb, northern Aleppo (Afrin, Albab, Azaz, Jarablus), Raqa (Tal Abiad) governorates while the Eastern Euphrates part of Der Ez Zor did not get the clearance of the National security department, yet.

### *Severe acute respiratory infection (SARI)*

- From 1st of October till 23 November, 19 SARI cases have been admitted to ICU. Seven cases were in Damascus, nine cases in Aleppo, and one case for each in Hama, Rural Damascus and Deir-ez-Zor. Nine cases were male and 10 were female. Only one case was a one year old child and others were adult. Among 19 cases, influenza A virus was detected from a female adult in Deir-ez-Zor with hypertension and obesity, and influenza B virus was detected from a male adult in Damascus with no health issue.
- WHO procured 90,000 doses of seasonal influenza vaccine being donated to MOH.

Disease	Week 46	Week 47
Acute diarrhoea (AD)	9 069	9 900
Bloody diarrhoea (BD)	87	134
Acute watery diarrhoea (AWD)	0	0
Acute jaundice syndrome (AJS)	490	431
Influenza like illness (ILI)	21 895	25 957
Acute flaccid paralysis (AFP)	3	3
Suspected measles (SM)	47	33
Suspected meningitis (SMN)	73	74
Typhoid fever (TYF)	356	327
Brucellosis (BRU)	248	264
Suspected tuberculosis (TB)	32	34
Severe acute respiratory infection (SARI)	197	280
Suspected pertussis (PER)	99	117
suspected leishmaniasis (LSH)	1 138	1 640
Suspected chickenpox (CHP)	349	354
Scabies (SCA)	536	567
Lice (LIC)	1 441	1 408
Suspected mumps (MUM)	92	83
Others	278	352
<b>Total</b>	<b>36 457</b>	<b>41 958</b>

## Annex 2: Map of EWARS sentinel sites



		Idleb	Al-Hasakeh	Ar-Raqqa	As-Sweida	Quneitra	Lattakia	Aleppo	Hama	Homs	Dar'a	Damascus	Deir-ez-Zor	Rural Damascus	Tartous	Total
Acute diarrhea (AD)	< 5	932	478	301	33	38	286	817	192	97	157	396	1 036	245	106	5 114
	≥ 5	854	345	169	29	50	455	580	149	77	165	458	1 020	243	192	4 786
Bloody diarrhea (BD)	< 5	0	26	17	0	0	0	6	0	1	4	3	49	0	0	106
	≥ 5	1	4	10	0	0	0	0	0	0	5	4	4	0	0	28
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	51	2	65	0	1	1	4	2	0	6	6	57	2	0	197
	≥ 5	43	8	30	9	2	7	8	21	11	17	14	51	9	4	234
Influenza like illness (ILI)	< 5	839	729	204	103	253	1 678	2 094	145	213	420	568	2 290	996	948	11 480
	≥ 5	798	844	116	226	394	1 655	2 816	149	293	455	906	2 220	1 480	2 125	14 477
Acute flaccid paralysis (AFP)	< 5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	≥ 5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
Suspected measles (SM)	< 5	2	0	6	0	0	1	4	0	0	0	2	3	1	0	19
	≥ 5	6	0	1	0	0	0	2	0	0	1	1	2	0	1	14
Suspected meningitis (SMN)	< 5	3	0	3	2	0	0	2	7	0	1	2	16	0	3	39
	≥ 5	13	1	1	0	0	0	0	5	0	2	3	6	2	2	35
Severe acute respiratory infection (SARI)	< 5	0	30	1	1	0	1	2	25	0	0	32	7	0	33	132
	≥ 5	1	18	2	9	0	10	2	29	0	0	38	7	0	32	148
Typhoid fever (TYF)	< 5	22	0	1	0	0	0	1	0	0	4	0	5	2	0	35
	≥ 5	49	0	5	0	1	0	9	8	0	23	0	188	9	0	292
Brucellosis (BRU)	< 5	15	2	0	0	0	0	1	0	0	0	0	9	2	0	29
	≥ 5	24	1	1	0	1	1	14	6	0	11	1	154	21	0	235
Suspected tuberculosis (TB)	< 5	6	0	0	0	0	0	0	0	0	0	0	0	0	1	7
	≥ 5	5	0	0	1	0	0	8	1	0	0	2	4	6	0	27
Suspected pertussis (PER)	< 5	38	1	3	0	0	0	0	0	0	0	0	30	0	0	72
	≥ 5	31	0	0	0	0	0	0	0	0	0	0	14	0	0	45
suspected leishmaniasis (LSH)	< 5	89	4	4	2	0	0	94	3	1	0	1	317	0	1	516
	≥ 5	89	23	6	3	0	5	443	47	5	0	0	481	15	7	1 124
Suspected chickenpox (CHP)	< 5	24	26	23	0	1	3	9	5	3	2	3	60	7	3	169
	≥ 5	36	34	10	0	2	4	20	18	5	3	5	41	7	0	185
Scabies (SCA)	< 5	38	2	28	0	0	0	8	0	16	2	1	72	5	0	172
	≥ 5	74	12	13	4	0	13	72	12	15	8	12	150	7	3	395
Lice (LIC)	< 5	112	11	0	8	0	19	46	30	5	2	1	63	6	0	303
	≥ 5	172	17	0	2	3	486	103	134	29	2	12	116	27	2	1 105
Suspected mumps (MUM)	< 5	0	2	17	0	0	0	3	3	1	2	1	10	1	0	40
	≥ 5	21	2	2	0	0	0	5	0	1	0	1	10	1	0	43
Others	< 5	1	5	0	0	1	3	1	3	15	9	0	72	4	0	114
	≥ 5	2	7	3	0	0	5	3	6	28	28	0	80	76	0	238
Total of < 5		2 172	1 318	673	149	294	1 992	3 092	415	352	609	1 016	4 096	1 271	1 096	18 545
Total of ≥ 5		2 219	1 316	369	283	453	2 641	4 085	586	465	720	1 457	4 548	1 903	2 368	23 413
Grand total		4 391	2 634	1 042	432	747	4 633	7 177	1 001	817	1 329	2 473	8 644	3 174	3 464	41 958