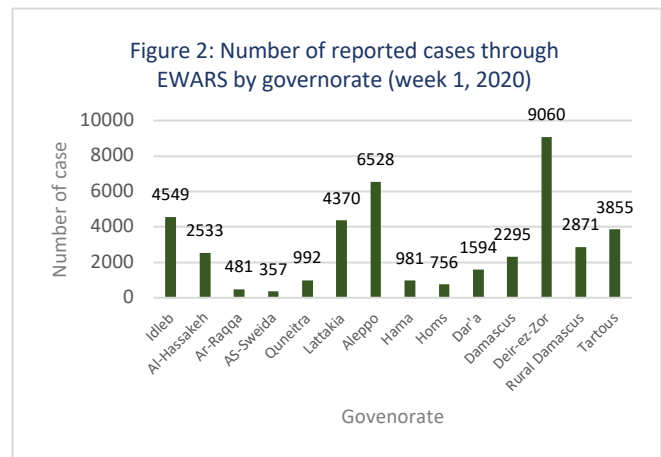
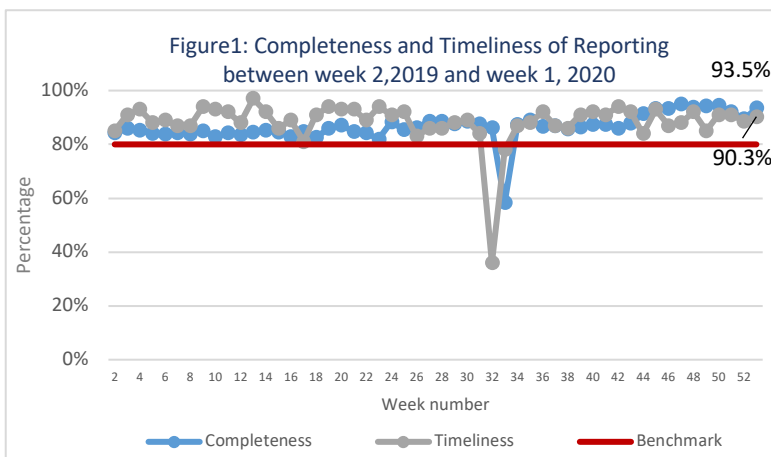


Highlights

- A total of 250 824 consultations were recorded in all the 14 governorates in week 1 of 2020.
- The leading causes of morbidity among all age groups were influenza-like illnesses (58.2%) and acute diarrhea (27.1%).
- 37 suspected measles cases were reported during week 1. Among them, the blood specimens of 29 cases were collected and tested at the reference laboratory in Damascus. The laboratory result showed all tested negative for measles.
- Three acute flaccid paralysis cases (all children above 5 years old) were reported: 2 cases from Aleppo, and one case from Hama.
- An increase of acute diarrhea cases were observed Ashrefia Al-Wadi and Jdeideh Al-Wadi in Rural Damascus, with a total of 882 cases (no associated death) between 31 December 2019 and 11 January, 2020.

Performance Indicators

- A total of 1175 out of 1257 active reporting sites (93.5%) in all 14 governorates of Syria reported through EWARS, with 90.3% timeliness among those sites providing data during week 1 (Figure 1).



Morbidity

1. Proportional Morbidity

- A total of 250 824 consultations were recorded in 1175 health facilities in 14 governorates in week 1, 2020. Among them, 32 308 cases were EWARS notifiable health conditions (Figure 2).
- Among all age groups, the leading causes of morbidity influenza-like illnesses (ILI) (58.2%), and acute diarrhea (AD) (27.1%).
- Of the 32 308 total reported cases, 49.8% (16 103) were female, and 43.7% (14 116) were children under 5 years old.
- Among children under 5 years of age, 57.2.% of cases are ILI, and AD representing 29.8% of the cases during this reporting period (Figure 2).
- The proportional mortality of ILI is 7.5% which decreased by 7.5% from the previous week (Figure 4).

Figure 2: Proportional morbidity by age group in week 1, 2020

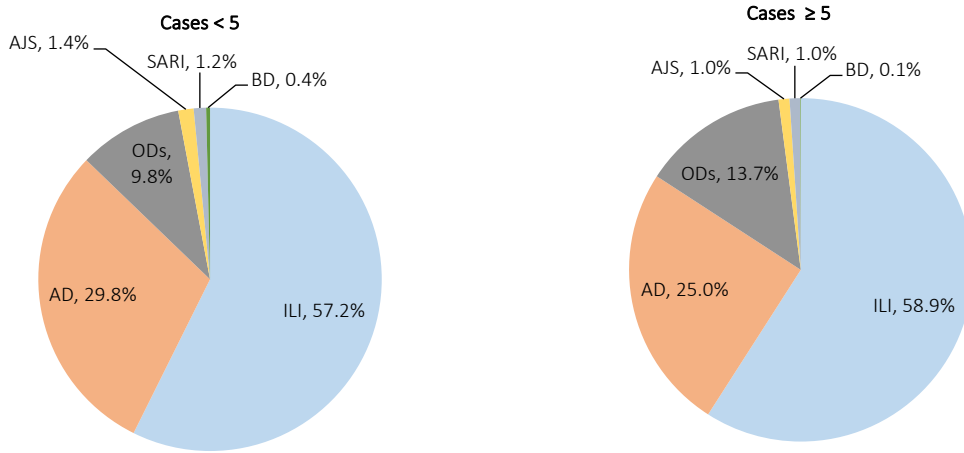
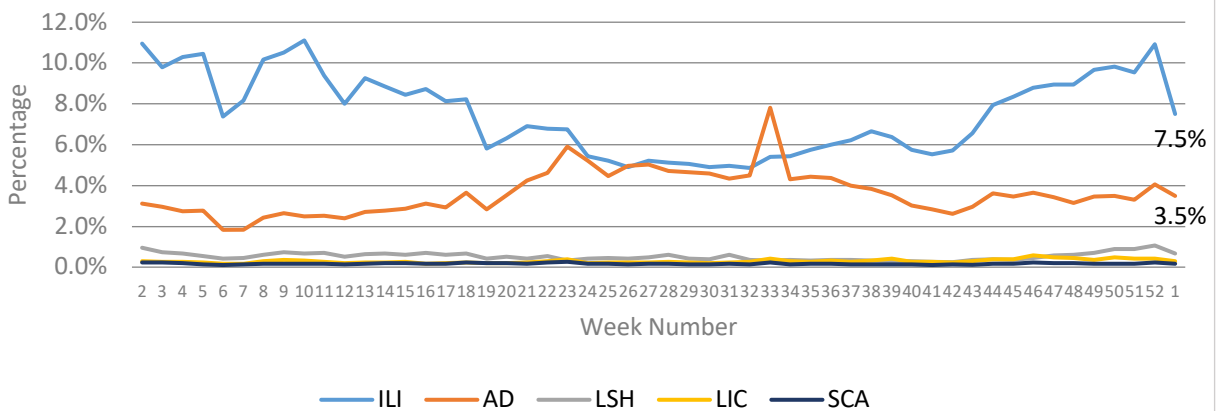


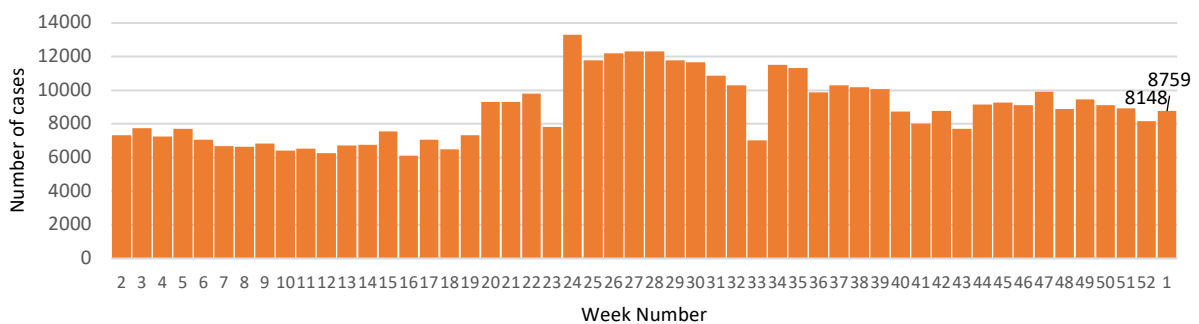
Figure 4: Proportion of Morbidity of top 5 diseases among the total consultation (week 2, 2019 - week 1, 2020)



2. Waterborne Diseases

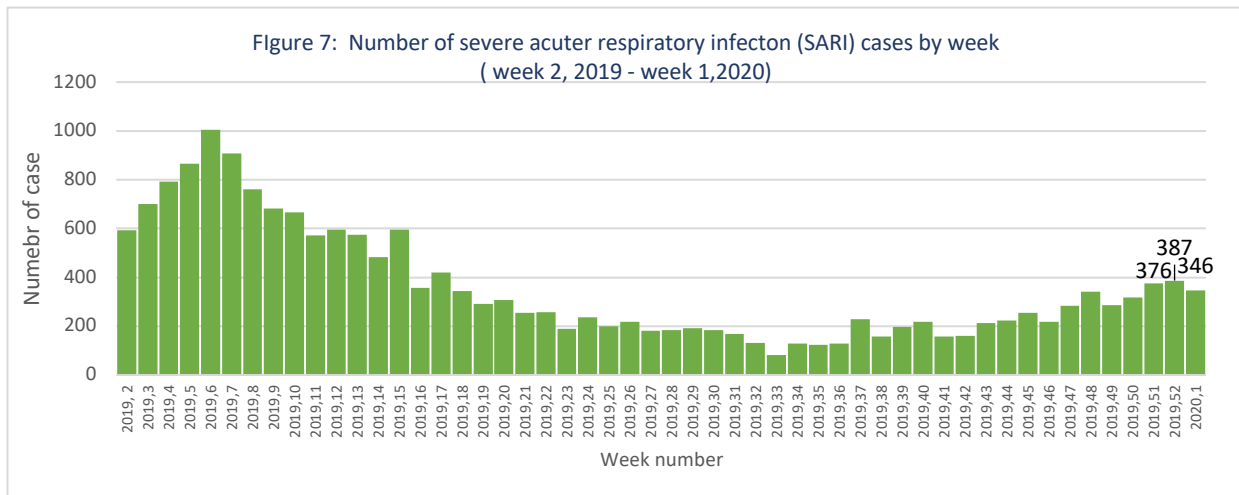
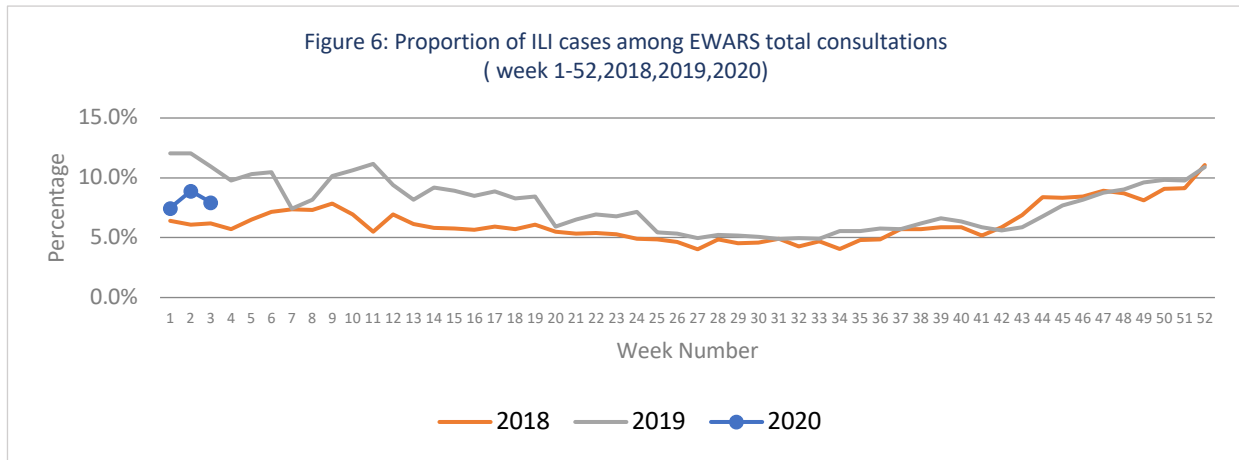
- There no case of acute watery diarrhea (AWD) in week 1.
- A total of 8759 acute diarrhea cases were reported. The trend remains stable.
- An increase of acute diarrhea cases was reported from 31st of December 2019 in Ashrafia Al-Wadi and Jdeideh Al-Wadi in Rural Damascus. From 31 of December till 11 of January 2020, a total of 882 (U5yrs:199, above 5yrs: 683) cases with no associated death.

Figure 5: Number of acute diarrhea between week 2, 2019 and week 1, 2020



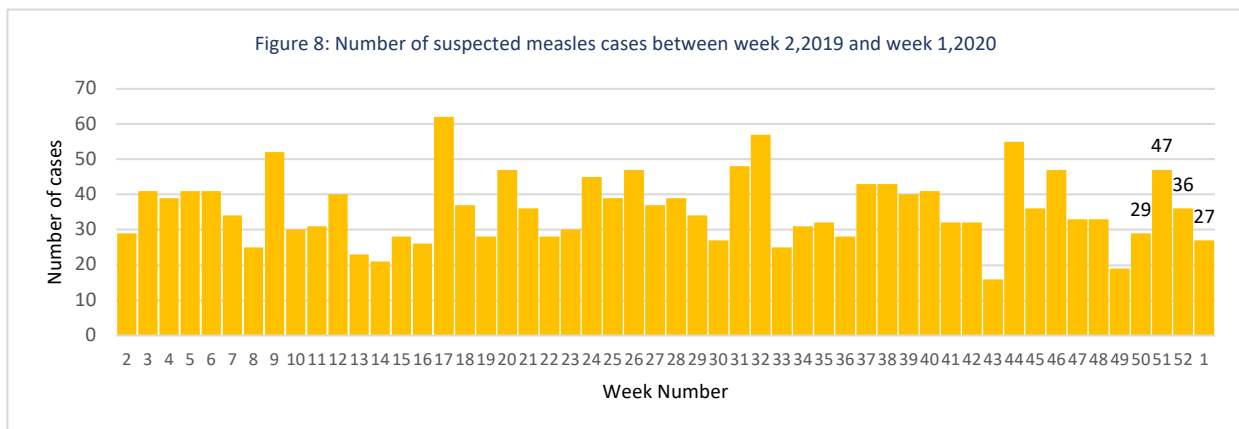
3. Respiratory Diseases

- In total, 18 917 ILI cases were reported during week 1 which decreased by 23.2% compared to the average of the last three weeks. The proportional morbidity of ILI among the total consultation is 7.5% which is lower than the proportional morbidity of the previous year (Figure 6).
- In total, 346 SARI cases were reported, and the trend remain stable (Figure 7) . The proportional morbidity is still below the same week in the previous year (Figure 8).



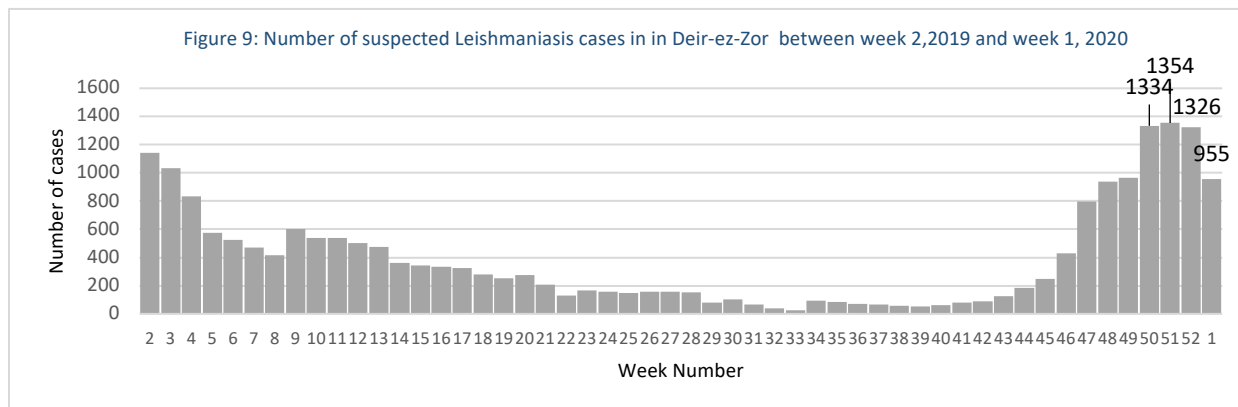
4. Vaccine Preventable Diseases

- Three case of acute flaccid paralysis (AFP) was reported in week 1: Two cases from Aleppo, and one case from Hama. All the cases were children above 5 years old.
- A total of 27 suspected measles cases were reported. Most cases were reported from Idleb (8), Ar-Raqqa (7), and Deir-ez-Zor (5).



5. Other Diseases

- 3878 cases were reported as “other diseases” through EWARS. The health conditions with the highest incidents were leishmaniasis (1688), lice (700), and scabies (391).
- During week 1, most of suspected leishmaniasis cases were reported from Deir-ez-Zor (56.6%), Aleppo (24.1%), and Idleb (8.8%). In Deir-ez-Zor, a total of 955 cases were reported which decreased by 28.6% compared to the previous three weeks (figure 9).



Public Health Response Actions

Suspected measles

- A total of 37 suspected measles cases was reported during week 1. 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 29 suspected cases were collected and tested for IgM ELISA at the reference laboratory in Damascus. The laboratory result showed all 29 samples were negative for measles.
- During 2019, a total of 1023 suspected measles cases were tested at the central public health laboratory in Damascus. Among them, 39 cases were positive for measles. Most positive cases were reported in Lattakia (7), Aleppo (6), Damascus(6) and Rural Damascus (6).

Acute flaccid paralysis

In total, three AFP cases were reported during week 1 in Aleppo (two cases) and Hama (one case). All the cases were children above 5 years old. The stool samples from all the three cases were collected and tested at the polio reference laboratory in Damascus, and the result showed the all case were negative for poliomyelitis.

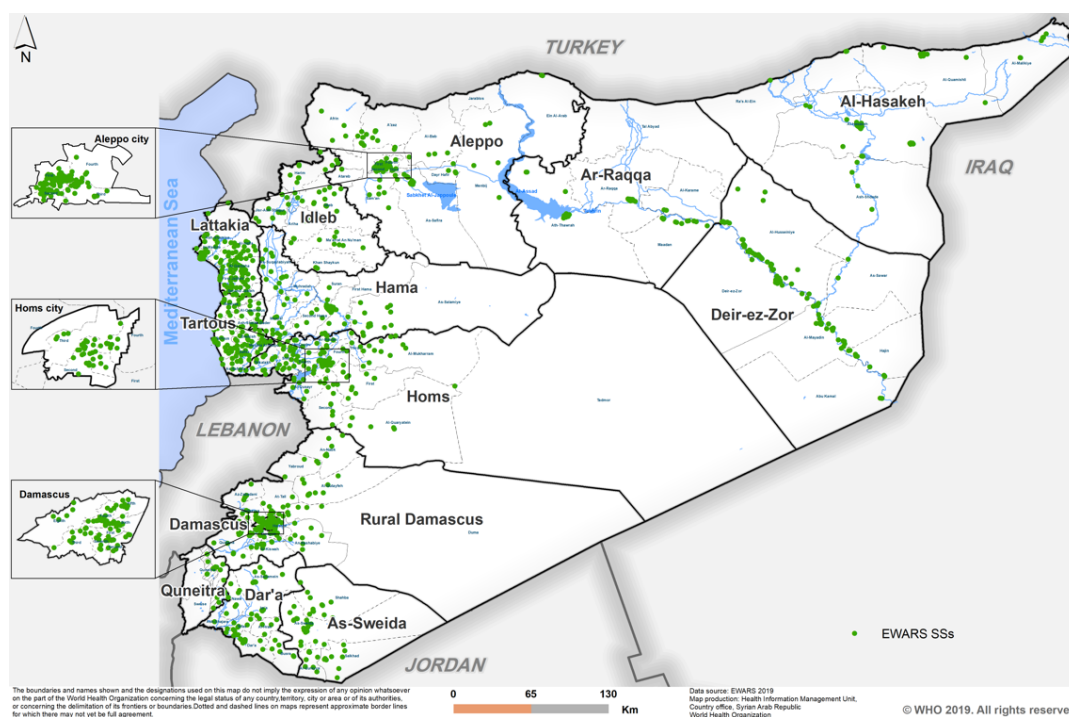
Diarrhea cases in Rural Damascus

- An increase of acute diarrhea cases was reported from 31st of December 2019 in Ashrafia Al-Wadi and Jdeideh Al-Wadi in Rural Damascus. From 31 of December till 11 of January 2020, a total of 882 (U5yrs:199, above 5yrs: 683) cases with no associated death were reported through EWARS. The common symptoms were acute diarrhea and vomiting. The severity of diarrhea ranges mild to moderate.
- DoH Rapid Response Team was deployed on 1st of January to collect water samples from different water sources in Ashrafia Al-Wadi and Jdeideh Al-Wadi. Coliform contamination was found in water samples collected from both neighborhoods. E.Coli was detected in water samples from Jdidet el-Wadi. The contaminated water sources were sterilized, and the use of the contaminated water source was banned. A laboratory analysis of human stool sample detects norovirus and campylobacter.

Annex 1: Comparison with Previous Week by Health Condition

Disease	Week 52,2019	Week 1,2020
Acute diarrhea (AD)	8 148	8 759
Bloody diarrhea (BD)	86	61
Acute watery diarrhea (AWD)	1	0
Acute jaundice syndrome (AJS)	692	391
Influenza like illness (ILI)	21 926	18 795
Acute flaccid paralysis (AFP)	1	3
Suspected measles (SM)	36	27
Suspected meningitis (SMN)	49	50
Typhoid fever (TYF)	303	210
Brucellosis (BRU)	227	137
Suspected tuberculosis (TB)	14	17
Severe acute respiratory infection (SARI)	387	344
Suspected pertussis (PER)	156	104
suspected leishmaniasis (LSH)	2 128	1 688
Suspected chickenpox (CHP)	364	312
Scabies (SCA)	460	391
Lice (LIC)	826	700
Suspected mumps (MUM)	77	104
Others	263	215
Total	36 144	32 308

Annex 2: Map of EWARS sentinel site



		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	653	313	168	21	44	304	539	130	87	105	327	1 004	274	234	4 203
	≥ 5	656	171	119	18	70	472	386	105	71	113	382	1 035	705	253	4 556
Bloody diarrhea (BD)	< 5	0	4	12	0	0	1	0	0	0	2	2	28	2	0	51
	≥ 5	0	1	4	0	0	0	0	0	0	1	4	0	0	0	10
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	43	2	74	0	4	1	6	3	2	4	4	59	2	0	204
	≥ 5	42	2	32	1	1	5	9	16	7	4	14	41	10	3	187
Influenza like illness (ILI)	< 5	882	360	126	58	110	708	1 708	96	122	189	531	1 913	558	711	8 072
	≥ 5	783	470	108	117	272	969	2 170	90	190	340	856	1 888	1 019	1 451	10 723
Acute flaccid paralysis (AFP)	< 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	≥ 5	0	0	0	0	0	0	2	1	0	0	0	0	0	0	3
Suspected measles (SM)	< 5	2	1	7	0	0	0	2	0	0	1	0	2	0	0	15
	≥ 5	6	0	0	0	0	1	1	0	0	1	0	3	0	0	12
Suspected meningitis (SMN)	< 5	4	0	2	1	1	1	4	6	0	0	0	6	0	0	25
	≥ 5	8	0	2	1	0	0	4	1	0	0	2	3	3	1	25
Severe acute respiratory infection (SARI)	< 5	0	22	0	0	1	10	18	58	0	0	27	1	0	27	164
	≥ 5	1	11	0	6	0	24	9	31	0	0	49	4	0	45	180
Typhoid fever (TYF)	< 5	21	0	0	0	0	0	1	0	0	1	0	6	1	0	30
	≥ 5	26	0	0	0	0	0	3	7	0	11	0	128	5	0	180
Brucellosis (BRU)	< 5	7	0	0	0	0	0	2	1	0	1	0	14	2	0	27
	≥ 5	8	0	0	0	2	1	5	5	0	4	2	71	12	0	110
Suspected tuberculosis (TB)	< 5	3	0	0	0	0	0	0	0	0	0	0	2	0	0	5
	≥ 5	1	0	0	0	0	0	8	0	0	0	0	3	0	0	12
Suspected pertussis (PER)	< 5	22	0	0	0	0	0	2	0	0	0	0	35	0	0	59
	≥ 5	23	0	0	0	0	0	0	0	0	0	0	22	0	0	45
suspected leishmaniasis (LSH)	< 5	58	6	1	0	0	0	87	3	3	0	2	382	5	0	547
	≥ 5	91	87	5	0	0	2	320	19	12	0	15	573	16	1	1 141
Suspected chickenpox (CHP)	< 5	11	56	29	0	0	0	8	0	1	2	0	88	3	0	198
	≥ 5	16	29	7	0	1	1	15	3	5	0	1	24	8	4	114
Scabies (SCA)	< 5	44	2	19	0	0	0	3	0	1	0	0	76	0	0	145
	≥ 5	81	1	11	1	0	2	24	0	7	2	7	108	1	1	246
Lice (LIC)	< 5	97	30	24	5	0	13	13	1	0	1	0	59	0	0	243
	≥ 5	152	23	15	2	2	49	64	43	4	1	3	95	4	0	457
Suspected mumps (MUM)	< 5	0	0	26	0	0	0	2	0	0	0	0	18	3	1	50
	≥ 5	25	0	5	0	0	0	2	2	1	0	0	15	4	0	54
Others	< 5	0	20	0	0	2	0	10	1	7	2	1	35	0	0	78
	≥ 5	0	14	0	0	2	0	1	3	19	25	3	39	31	0	137
Total of < 5		1 847	816	488	85	162	1 038	2 405	299	223	308	894	3 728	850	973	14 116
Total of ≥ 5		1 919	809	308	146	350	1 526	3 023	326	316	502	1 338	4 052	1 818	1 759	18 192
Grand total		3 766	1 625	796	231	512	2 564	5 428	625	539	810	2 232	7 780	2 668	2 732	32 308