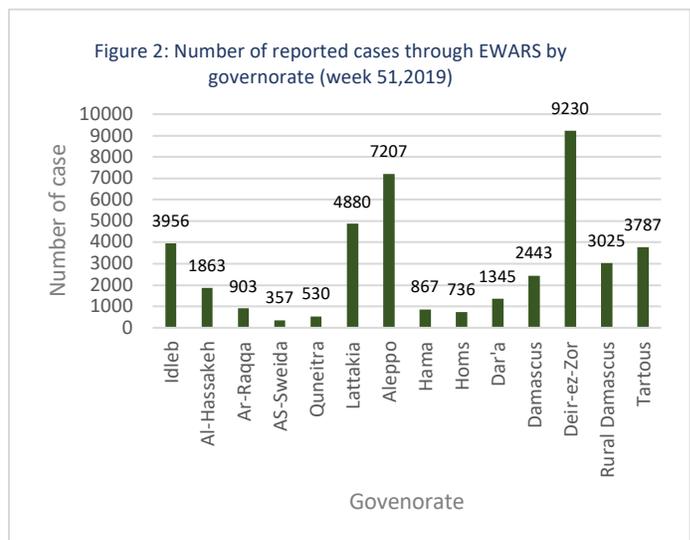
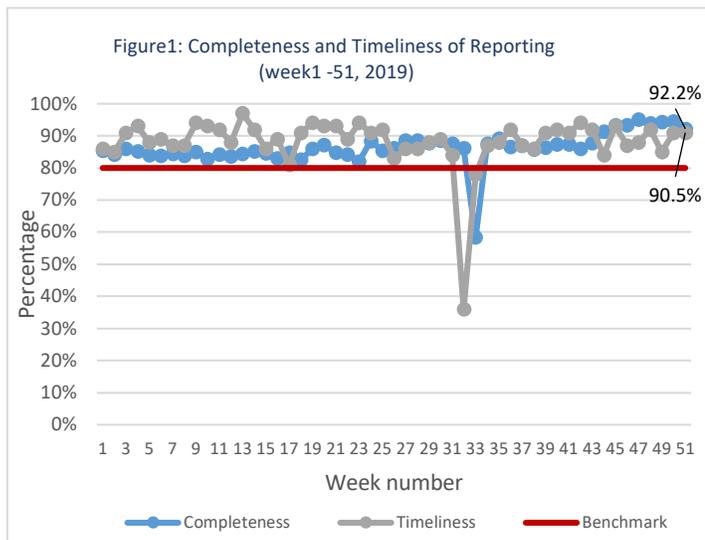


Highlights

- A total of 268 935 consultations were recorded in all the 14 governorates in week 51.
- The leading causes of morbidity among all age groups were influenza-like illnesses (62.6%) and acute diarrhea (21.7%).
- A total of 47 cases of suspected measles were reported in week 51, which increased by 74.0% compared to the average of the last three weeks. Among them, the blood specimens of 41 cases were collected and tested at the reference laboratory in Damascus. The laboratory result showed all tested negative for measles.
- Five cases of acute flaccid paralysis (AFP) were reported in week 51: two cases from Hama, and one case for each in Dar'a, Rural Damascus, and As-Sweida.
- In total, 359 SARI cases were reported during week 51, which increased by 14.3% compared to the average of the last three weeks.

Performance Indicators

- A total of 1 158 out of 1 256 active reporting sites (92.2%) in all 14 governorates of Syria reported through EWARS, with 90.5% timeliness among those sites providing data during week 51 (Figure 1).



Morbidity

1. Proportional Morbidity

- A total of 268 935 consultations were recorded in 1 158 health facilities in 14 governorates in week 51, 2019. Among them, 41 129 cases were EWARS notifiable health conditions (Figure 2).
- Among all age groups, the leading causes of morbidity influenza-like illnesses (ILI) (62.6%), and acute diarrhea (AD) (21.7%).
- Of the 41 129 total reported cases, 50.6% (20 813) were female, and 42.2% (17 391) were children under 5 years old.
- Among children under 5 years of age, 61.1% of cases are ILI, and AD representing 26.3% of the cases during this reporting period (Figure 3).
- The proportional morbidity of ILI to the total consultation in week 51 is 9.6% which increased by 0.2% from the previous week (Figure 4).

Figure3: Proportional morbidity by age group in week 51, 2019

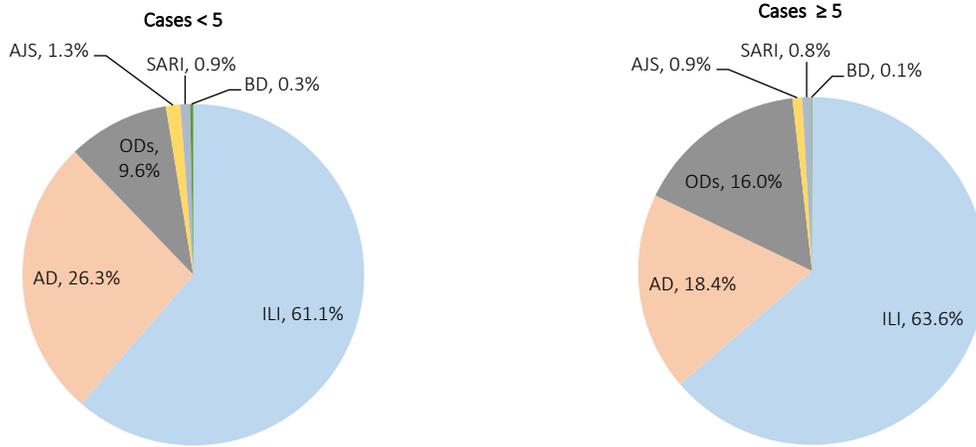
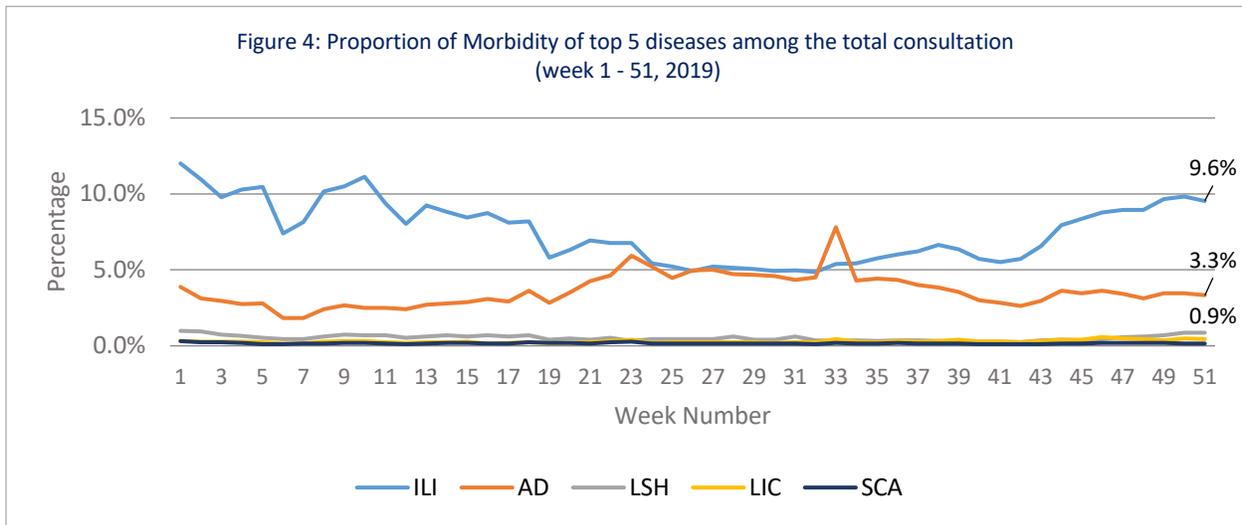


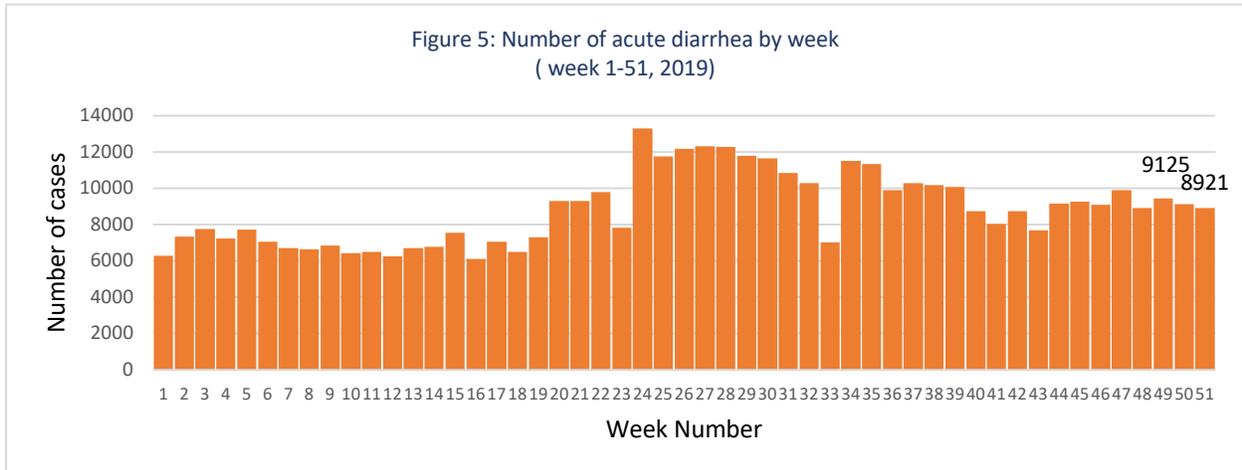
Figure 4: Proportion of Morbidity of top 5 diseases among the total consultation (week 1 - 51, 2019)



2. Waterborne Diseases

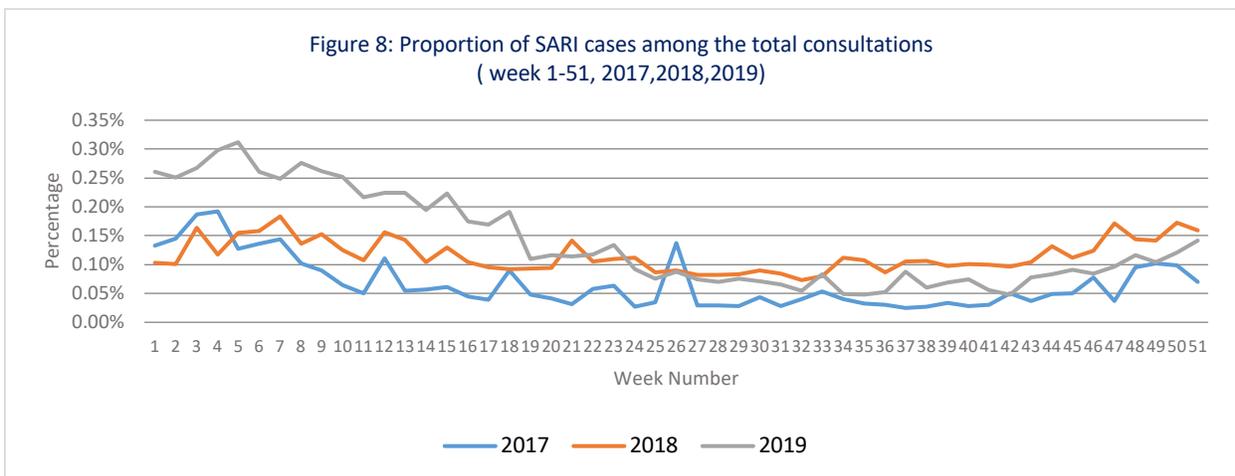
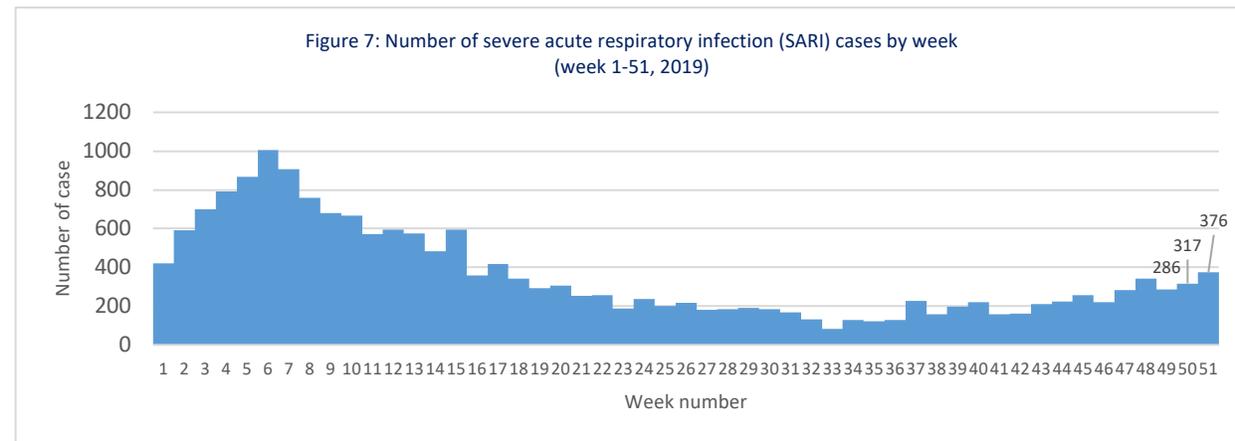
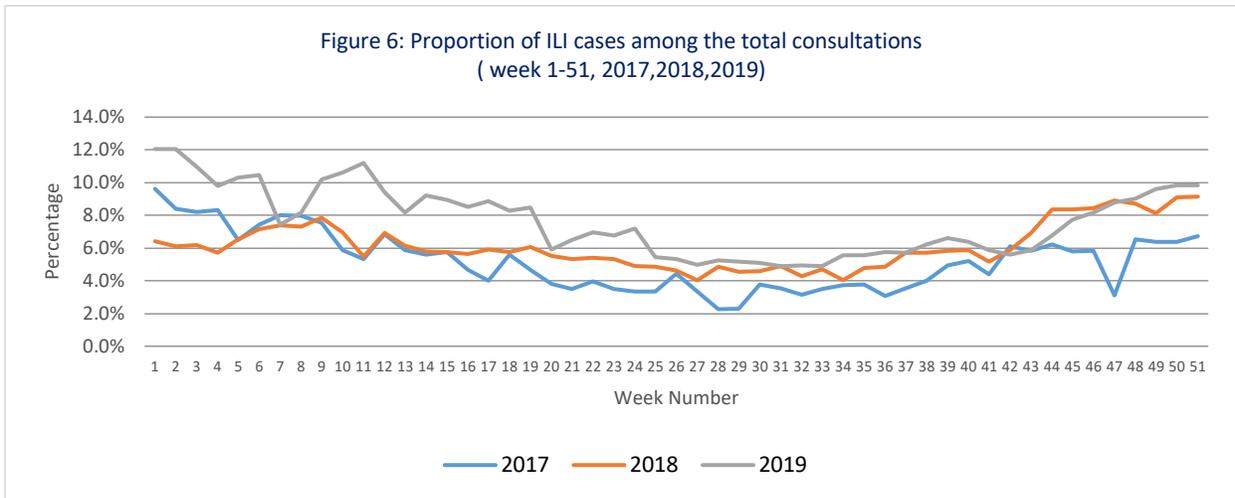
- There was no case of acute watery diarrhea (AWD) in week 51.
- A total of 8921 AD cases were reported during week 51, which decreased by 2.5 % compared to the average of the last three weeks (Figure 4).

Figure 5: Number of acute diarrhea by week (week 1-51, 2019)



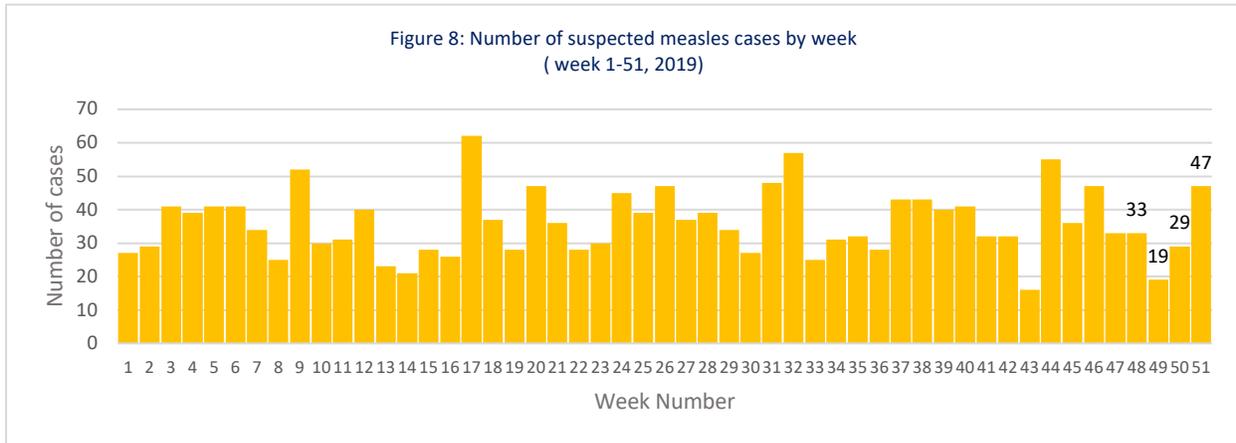
3. Respiratory Diseases

- In total, 25 688 ILI cases were reported during week 51, and the trend remains stable. The proportional morbidity of ILI among the total consultation is 9.8% which exceeded by 0.7% of the same week in 2018 (Figure 6) .
- In total, 359 SARI cases were reported during week 51, which increased by 14.3% compared to the average of the last three weeks (Figure 6) . The proportional morbidity is still below the same week in the previous year.



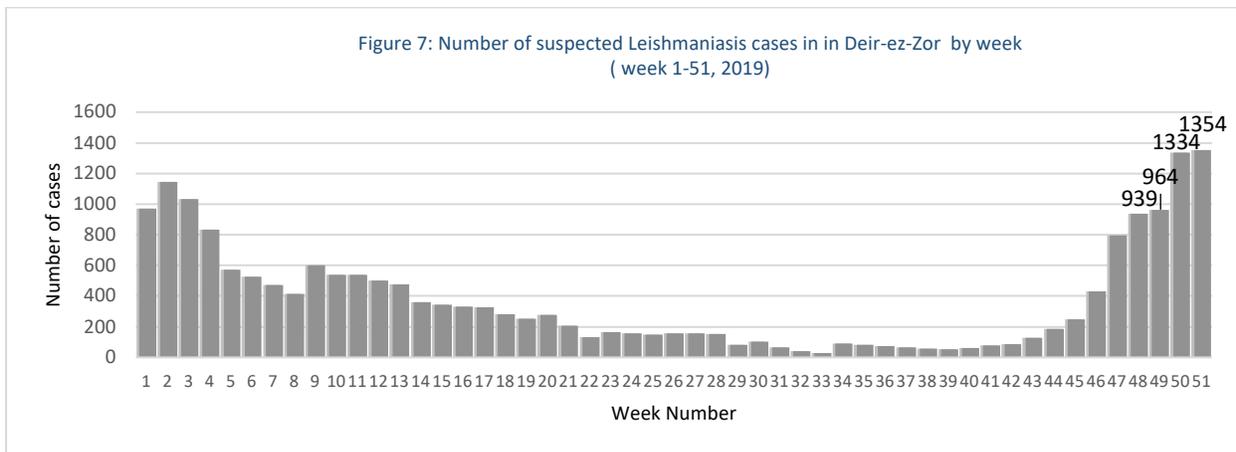
4. Vaccine Preventable Diseases

- Five cases of acute flaccid paralysis (AFP) were reported in week 51: two cases from Hama, and one case for each in Dar'a, Rural Damascus, and As-Sweida.
- A total of 47 cases of suspected measles were reported in week 51, which increased by 74.0% compared to the average of the last three weeks. During 2019, in total 1 831 suspected measles cases have been reported, and most cases were reported from Deir-ez-Zor (19.4%), Ar-Raqqa (17.2%), and Idleb (15.3%).



5. Other Diseases

- 5 531 cases were reported as “other diseases” through EWARS. The health conditions with the highest incidents were leishmaniasis (2375), lice (1161), and scabies (458).
- During week 51, most of suspected leishmaniasis cases were reported from Deir-ez-Zor (57%), Aleppo (28.2%), and Idleb (6.9%). In Deir-ez-Zor, 1354 cases were reported and the trend remains upward.



Suspected measles

A total of 47 suspected measles cases was reported during week 51. All the cases were investigated by rapid response teams of the health directorates except for the cases reported from Idleb governorate (6 cases) where the access is limited. The blood specimens from 41 suspected cases were collected and tested for IgM ELISA at the reference laboratory in Damascus. The laboratory result showed all 41 samples were negative for measles.

Acute flaccid paralysis

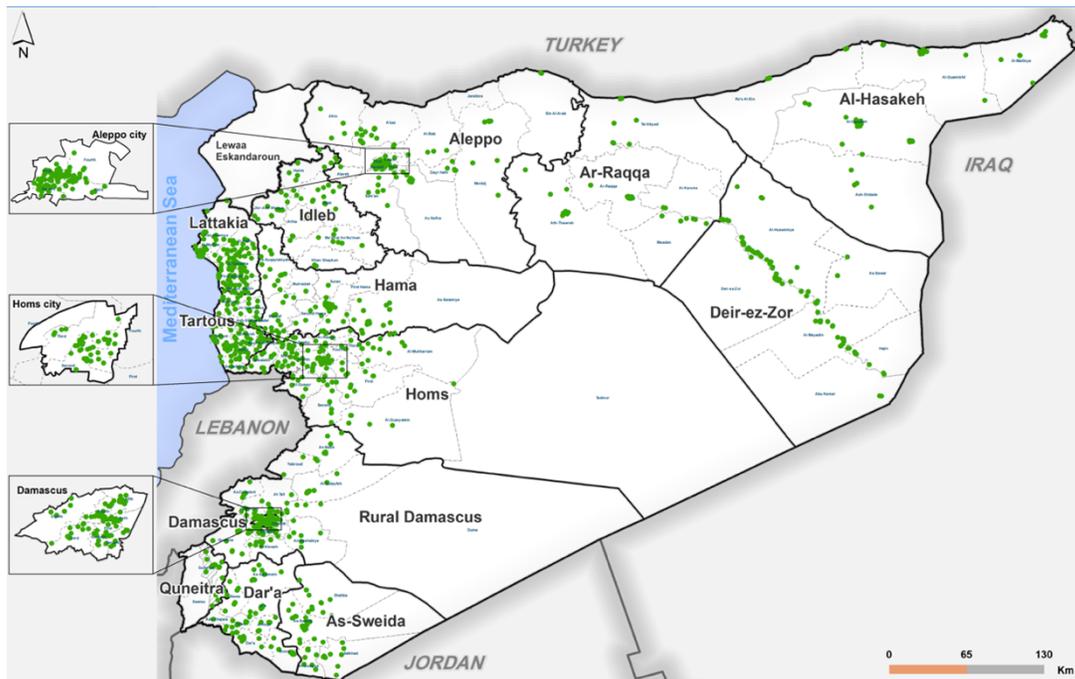
- Six AFP cases were reported during week 51. All six cases were children above 5 years old. The stool samples from the all six cases were collected and tested at the polio reference laboratory in Damascus, and the result showed the all case were negative for poliomyelitis.
- Between 15th and 31th of December 2019, DOH has conducted the second round of the national campaign in rural Deir-ez-Zor. The campaign has covered four districts (Mayadin, Hajein, Abo-Kammal, Swaer), and 45 987 children were vaccinated.

Severe acute respiratory infection (SARI)

- Between 21 October and 20 December, 36 samples were collected from SARI cases admitted to ICU. The samples were sent and tested at the influenza reference laboratory in Damascus. 12 cases were positive for influenza virus; Influenza type B was detected in five cases and type A (not subtyped) was detected in seven cases.
- WHO procured 90 000 doses of seasonal influenza vaccine and donated 50 000 doses to MoH, 25 000 doses to the Ministry of High Education, and the rest to the partners. Also, WHO delivered the laboratory supplies (Real-Time PCR and Endpoint RT-PCR kits) to subtyping influenza type A and B.

Disease	Week 50	Week 51
Acute diarrhea (AD)	9 125	8 921
Bloody diarrhea (BD)	83	72
Acute watery diarrhea (AWD)	0	0
Acute jaundice syndrome (AJS)	414	444
Influenza like illness (ILI)	25 732	25 688
Acute flaccid paralysis (AFP)	6	5
Suspected measles (SM)	29	47
Suspected meningitis (SMN)	56	62
Typhoid fever (TYF)	265	246
Brucellosis (BRU)	217	234
Suspected tuberculosis (TB)	31	14
Severe acute respiratory infection (SARI)	316	359
Suspected pertussis (PER)	136	154
suspected leishmaniasis (LSH)	2 296	2 375
Suspected chickenpox (CHP)	389	449
Scabies (SCA)	432	458
Lice (LIC)	1 255	1 161
Suspected mumps (MUM)	81	88
Others	359	352
Total	41 222	41 129

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 diarrheea (AD)	< 5	775	197	220	20	51	389	744	176	88	142	388	1 009	208	142	4 549
	≥ 5	694	206	138	21	78	420	572	120	59	145	355	1 029	263	272	4 372
Bloody diarrheea (BD)	< 5	0	1	15	0	0	1	0	0	0	0	2	30	4	0	53
	≥ 5	0	3	8	0	0	0	0	0	0	0	2	6	0	0	19
Acute watery diarrheea (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	39	0	70	0	1	2	8	5	0	9	3	93	3	0	233
	≥ 5	43	1	29	1	0	6	11	23	5	11	16	53	10	2	211
Influenza like illness (ILI)	< 5	860	452	165	111	149	1 463	1 964	122	190	402	575	2 300	844	968	10 565
	≥ 5	778	678	161	186	222	2 090	2 935	154	276	515	995	2 297	1 571	2 265	15 123
Acute flaccid paralysis (AFP)	< 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	≥ 5	0	0	0	1	0	0	0	2	0	1	0	0	1	0	5
Suspected measles (SM)	< 5	3	3	17	0	0	1	4	2	0	0	2	2	1	0	35
	≥ 5	3	0	1	0	0	0	5	0	0	1	1	1	0	0	12
Suspected meningitis (SMN)	< 5	3	0	3	1	0	3	0	6	0	1	5	13	0	1	36
	≥ 5	6	1	5	0	0	0	0	6	1	1	1	2	1	2	26
Severe acute respiratory infection (SARI)	< 5	0	2	0	0	1	4	6	59	1	0	28	10	0	47	158
	≥ 5	1	1	0	9	0	18	2	47	0	0	44	8	0	71	201
Typhoid fever (TYF)	< 5	17	0	1	0	0	0	1	0	0	2	0	3	2	0	26
	≥ 5	33	0	1	0	0	0	9	8	0	28	0	134	7	0	220
Brucellosis (BRU)	< 5	12	0	0	0	0	0	9	0	0	0	0	2	1	0	24
	≥ 5	11	0	0	0	0	0	22	11	2	9	2	141	12	0	210
Suspected tuberculosis (TB)	< 5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	≥ 5	4	0	0	0	0	0	5	0	0	0	1	2	0	0	12
Suspected pertussis (PER)	< 5	36	1	16	0	0	0	1	0	0	0	0	42	0	0	96
	≥ 5	37	0	1	0	0	0	3	0	0	0	0	17	0	0	58
suspected leishmaniasis (LSH)	< 5	68	0	3	0	0	0	106	2	0	0	1	526	8	0	714
	≥ 5	96	56	5	0	0	7	564	58	3	0	6	828	25	13	1 661
Suspected chickenpox (CHP)	< 5	20	102	26	0	2	1	21	6	2	2	8	71	10	1	272
	≥ 5	26	63	5	0	1	1	34	7	6	6	0	21	7	0	177
Scabies (SCA)	< 5	39	2	0	0	0	10	4	0	6	0	1	102	1	0	165
	≥ 5	76	1	0	0	1	13	40	1	14	9	1	136	0	1	293
Lice (LIC)	< 5	96	2	0	3	3	46	25	4	8	4	3	79	2	2	277
	≥ 5	157	3	0	4	8	399	94	38	14	28	3	129	7	0	884
Suspected mumps (MUM)	< 5	2	1	9	0	0	0	4	0	1	0	0	10	1	0	28
	≥ 5	18	1	4	0	1	0	0	5	9	0	0	19	3	0	60
Others	< 5	0	48	0	0	12	1	8	4	14	9	0	55	7	0	158
	≥ 5	1	38	0	0	0	5	6	1	37	20	0	60	26	0	194
Total of < 5		1 972	811	545	135	219	1 921	2 905	386	310	571	1 016	4 347	1 092	1 161	17 391
Total of ≥ 5		1 984	1 052	358	222	311	2 959	4 302	481	426	774	1 427	4 883	1 933	2 626	23 738
Grand total		3 956	1 863	903	357	530	4 880	7 207	867	736	1 345	2 443	9 230	3 025	3 787	41 129