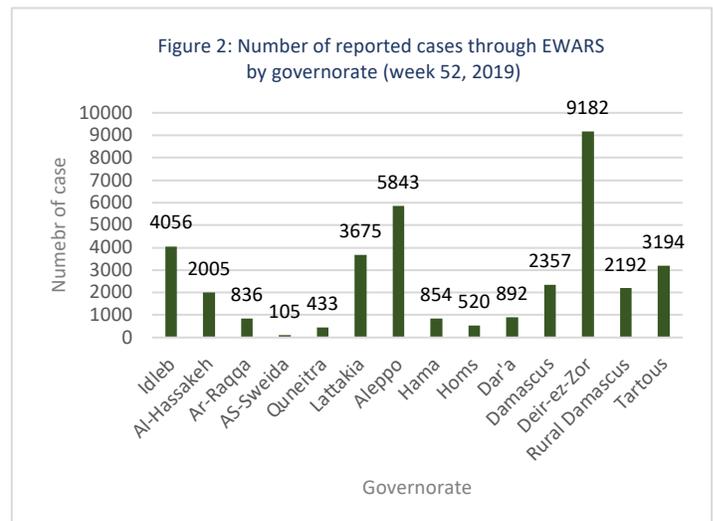
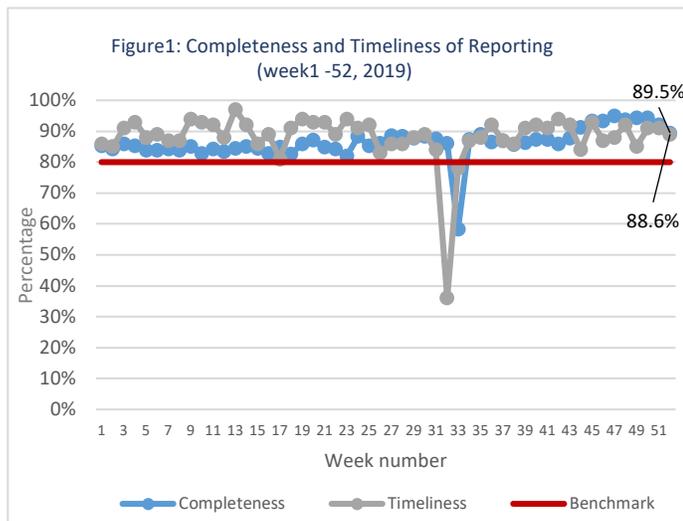


## Highlights

- A total of 200 616 consultations were recorded in all the 14 governorates in week 52.
- The leading causes of morbidity among all age groups were influenza-like illnesses (59.6%) and acute diarrhea (22.1%) .
- 36 suspected measles cases were reported during week 52. Among them, the blood specimens of 33 cases were collected and tested at the reference laboratory in Damascus. The laboratory result showed all tested negative for measles.
- One acute flaccid paralysis case (child under 5 years old) was reported in week 52 in Deir-ez-Zor.
- In Deir-ez-Zor governorate, 1326 cases of suspected cutaneous leishmaniasis were reported, and the trend remains upward. More than 1300 cases have been reported per week for three consecutive weeks

## Performance Indicators

- A total of 1124 out of 1256 active reporting sites (89.5%) in all 14 governorates of Syria reported through EWARS, with 88.6% timeliness among those sites providing data during week 52 (Figure 1).



## Morbidity

### 1. Proportional Morbidity

- A total of 200 616 consultations were recorded in 1124 health facilities in 14 governorates in week 52, 2019. Among them, 36 144 cases were EWARS notifiable health conditions (Figure 2).
- Among all age groups, the leading causes of morbidity influenza-like illnesses (ILI) (59.6%), and acute diarrhea (AD) (22.1%).
- Of the 36 144 total reported cases, 50.2% (18 174) were female, and 44.2% (15 981) were children under 5 years old.
- Among children under 5 years of age, 59.7% of cases are ILI, and AD representing 26.1% of the cases during this reporting period (Figure 3).
- An upward trend of the proportional morbidity is observed both ILI and AD cases to total consultations in week 52.

Figure3: Proportional morbidity by age group in week 52, 2019

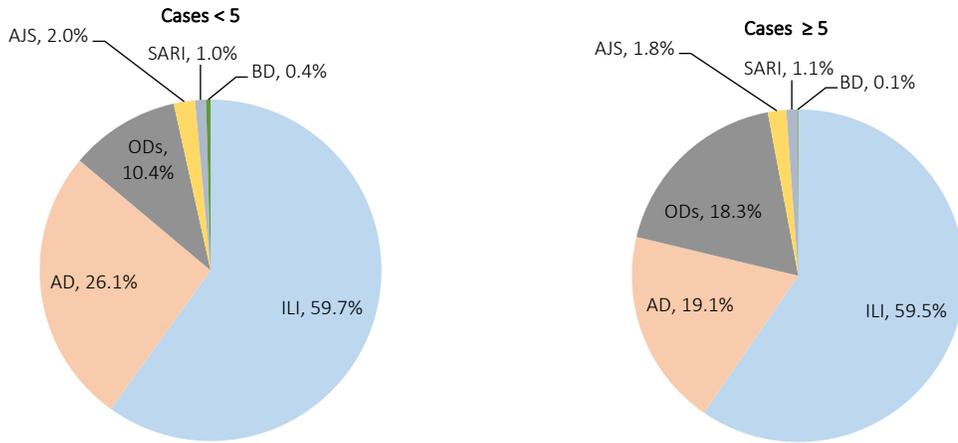
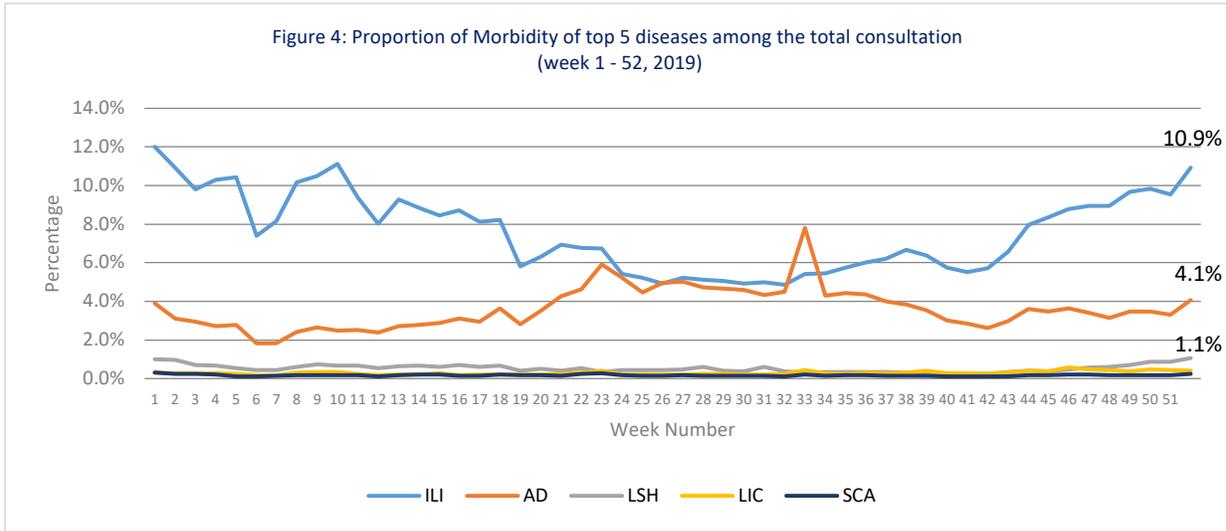


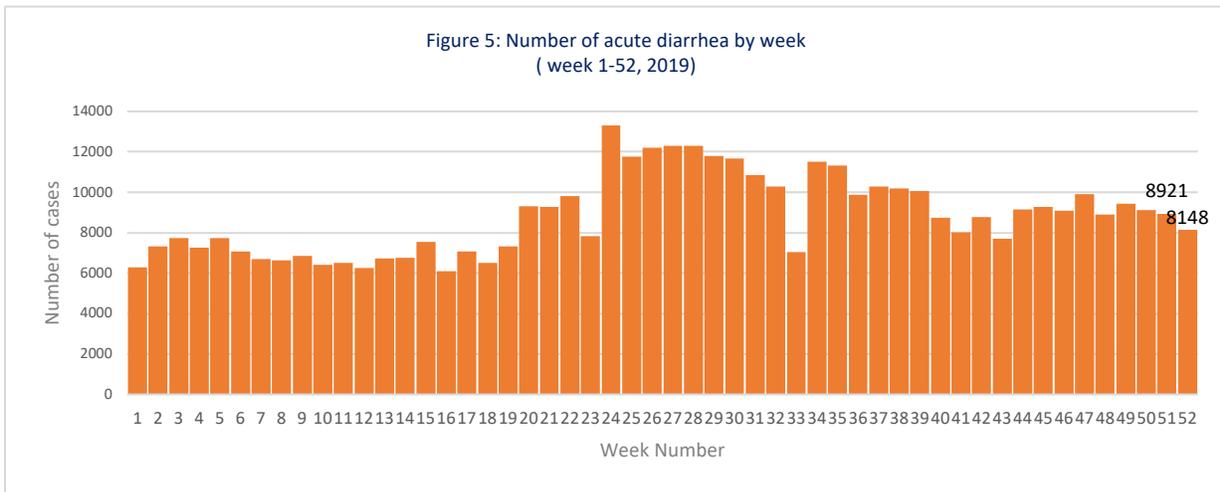
Figure 4: Proportion of Morbidity of top 5 diseases among the total consultation (week 1 - 52, 2019)



## 2. Waterborne Diseases

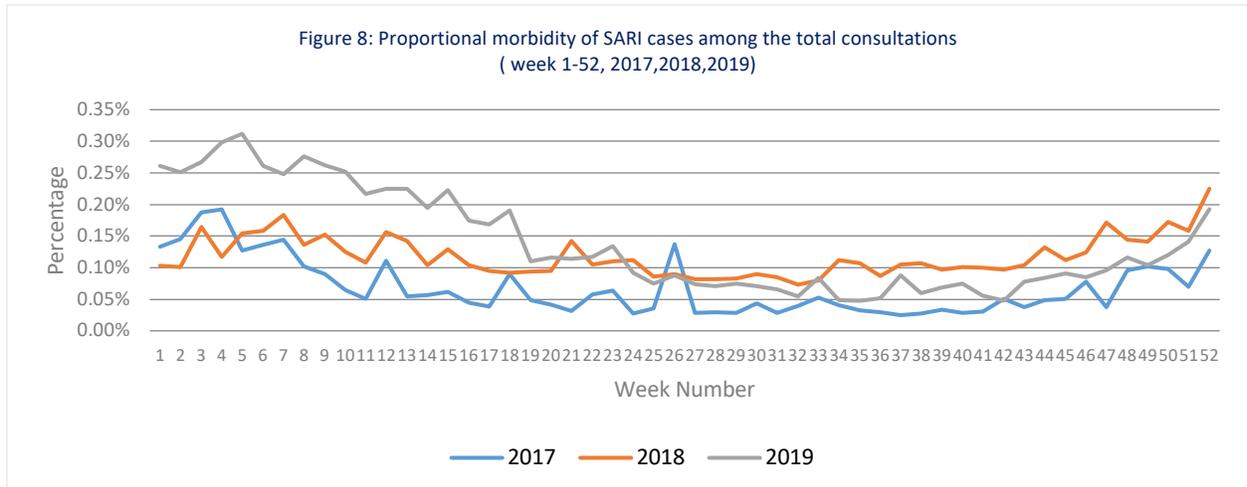
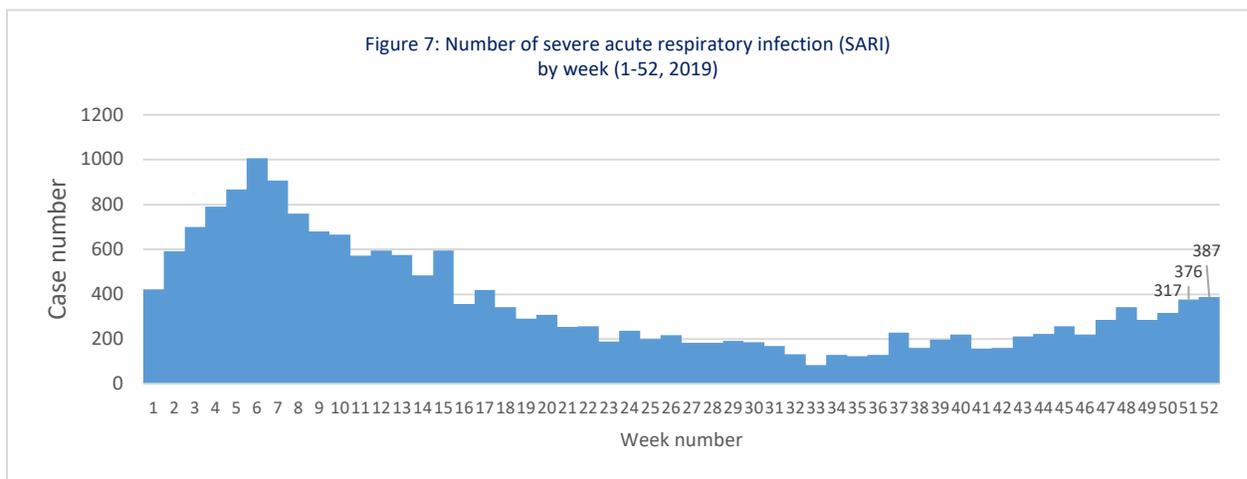
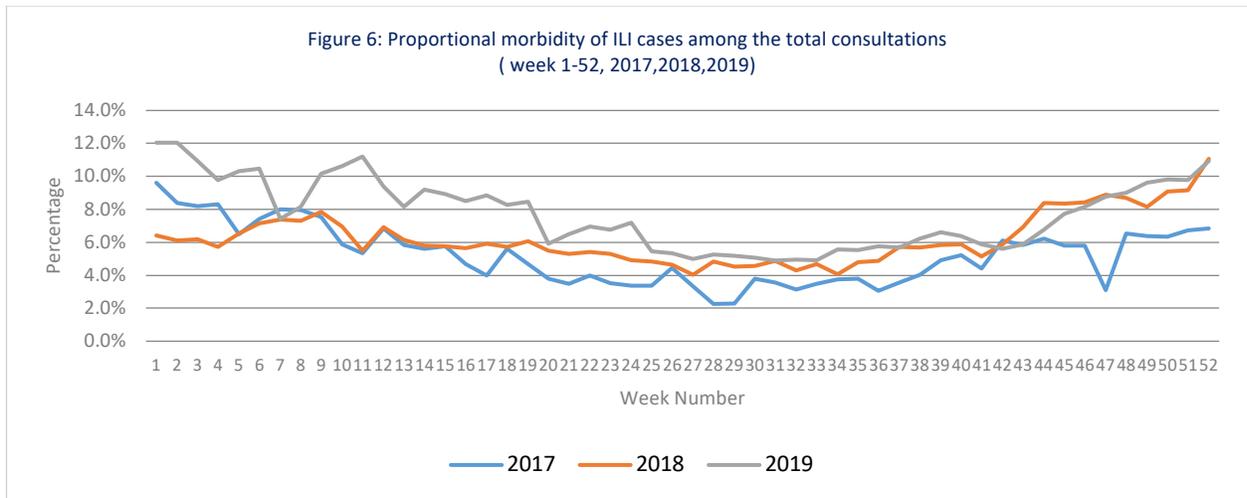
- There was no case of acute watery diarrhea (AWD) in week 52.
- A total of 8148 AD cases were reported during week 52, which decreased by 11.0% compared to the average of the last three weeks (Figure 5).

Figure 5: Number of acute diarrhea by week (week 1-52, 2019)



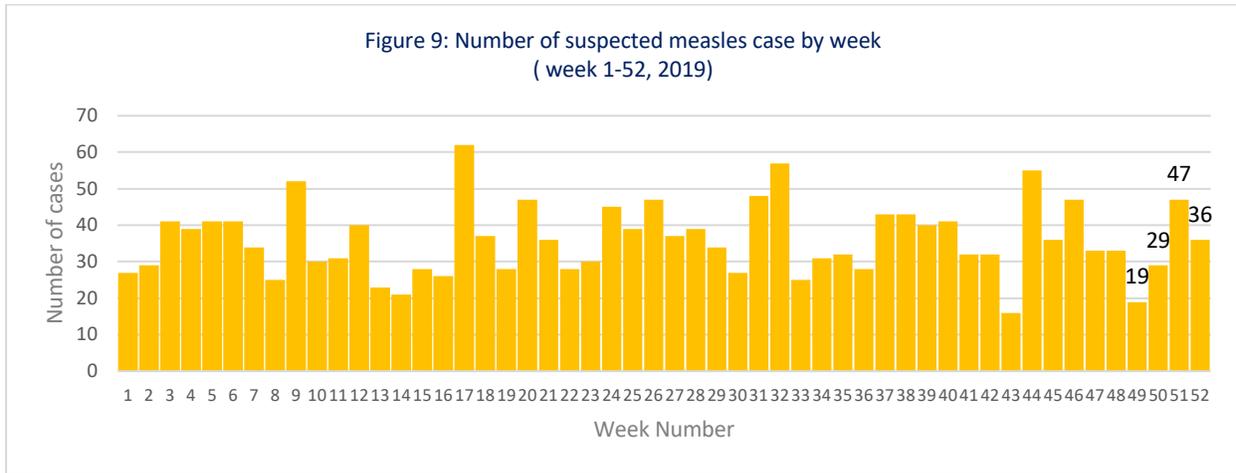
### 3. Respiratory Diseases

- In total, 21 967 ILI cases were reported during week 52 which decreased by 16.1% compared to the average of the last three weeks. The proportional morbidity of ILI among the total consultation is 10.9% and an upward trend is observed (Figure 6).
- In total, 387 SARI cases were reported during week 52, which increased by 18.6% compared to the average of the last three weeks (Figure 7) . The proportional morbidity is still below the same week in the previous year (Figure 8).



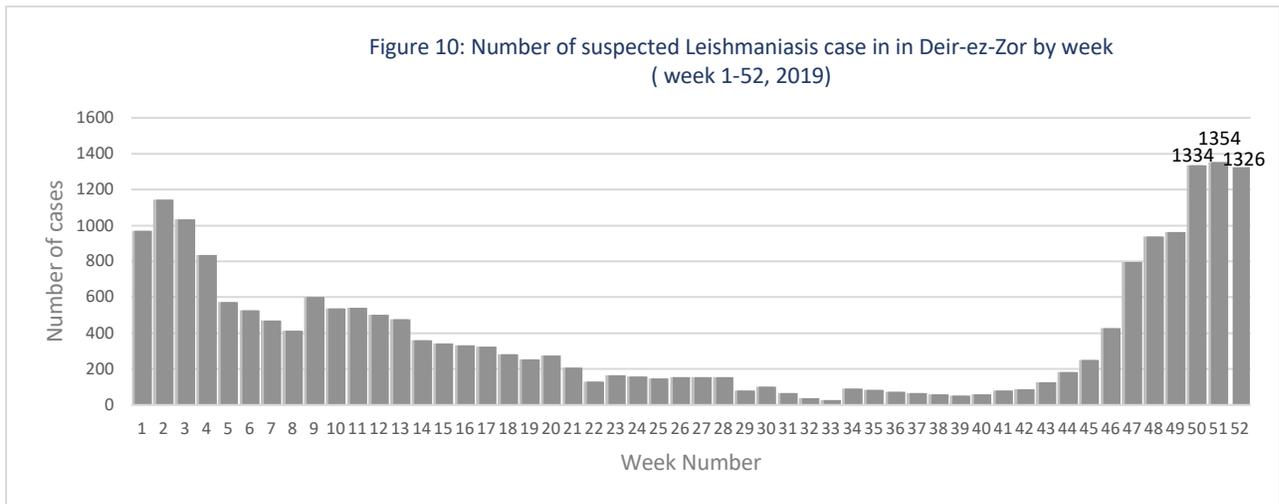
#### 4. Vaccine Preventable Diseases

- One case of acute flaccid paralysis (AFP) was reported in week 52 from Deir-ez-Zor .
- A total of 36 cases of suspected measles were reported in week 52, which increased by 105.3% compared to the average of the last three weeks. During 2019, in total of 1867 suspected measles cases have been reported, and most cases were reported from Deir-ez-Zor (19.1%), Ar-Raqqa (17.6%), and Idleb (15.2%).



#### 5. Other Diseases

- 4818 cases were reported as “other diseases” through EWARS. The health conditions with the highest incidents were leishmaniasis (2128), lice (826), and scabies (460).
- During week 52, most of suspected leishmaniasis cases were reported from Deir-ez-Zor (62.3%), Aleppo (23.6%), and Idleb (8.4%).
- In Deir-ez-Zor governorate, 1326 cases were reported and the trend remains upward. More than 1300 cases have been reported per week for three consecutive weeks (Figure 10).



### *Suspected measles*

A total of 36 suspected measles cases was reported during week 52. All the cases were investigated by rapid response teams of the health directorates except for the cases reported from Idleb governorate ( 3 cases) where the access is limited. The blood specimens from 33 suspected cases were collected and tested for IgM ELISA at the reference laboratory in Damascus. The laboratory result showed all 33 samples were negative for measles.

### *Acute flaccid paralysis*

- One AFP case was reported during week 52 in Deir-ezZor in Granij area. The case was a child under 5 years of age. The stool sample from was 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.

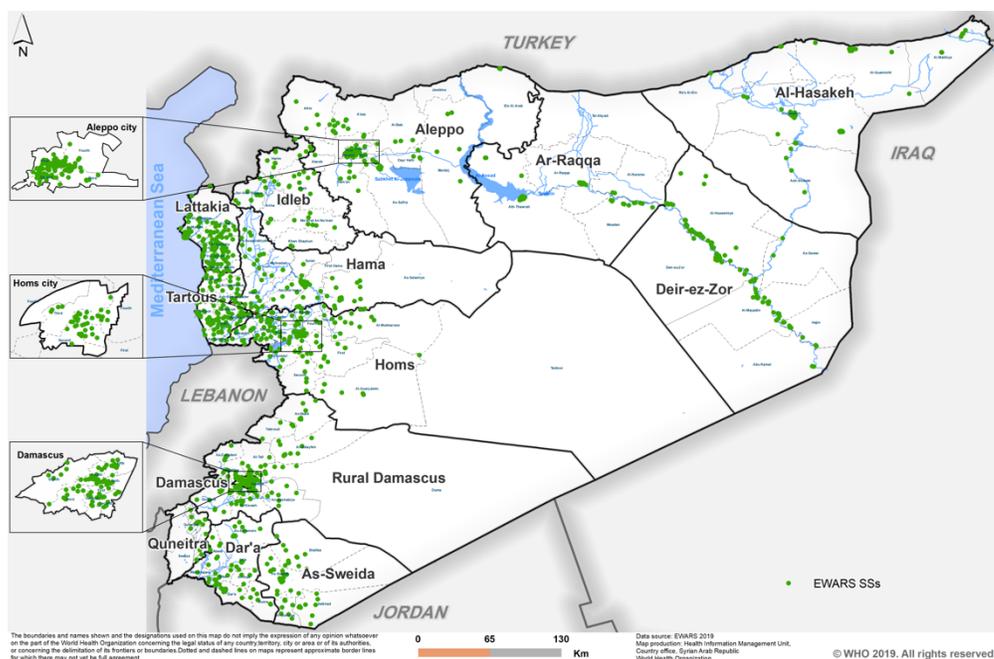
### *Severe acute respiratory infection (SARI)*

- Between 21 October and 28 December, 46 samples were collected from SARI cases admitted to ICU. The samples were sent and tested at the influenza reference laboratory in Damascus. Among them, two cases were positive for Influenza type A H1N1, six cases were influenza type A (not-subtyped), and seven cases were positive for influenza type B.
- 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.

## Annex 1: Comparison with Previous Week by Health Condition

Disease	Week 51	Week 52
Acute diarrhoea (AD)	8 921	8 148
Bloody diarrhoea (BD)	72	86
Acute watery diarrhoea (AWD)	0	1
Acute jaundice syndrome (AJS)	444	692
Influenza like illness (ILI)	25 688	21 926
Acute flaccid paralysis (AFP)	5	1
Suspected measles (SM)	47	36
Suspected meningitis (SMN)	62	49
Typhoid fever (TYF)	246	303
Brucellosis (BRU)	234	227
Suspected tuberculosis (TB)	14	14
Severe acute respiratory infection (SARI)	359	387
Suspected pertussis (PER)	154	156
suspected leishmaniasis (LSH)	2 375	2 128
Suspected chickenpox (CHP)	449	364
Scabies (SCA)	458	460
Lice (LIC)	1 161	826
Suspected mumps (MUM)	88	77
Others	352	263
<b>Total</b>	<b>41 129</b>	<b>36 144</b>

## 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	701	336	202	14	32	390	536	140	45	123	371	969	153	153	4 165
	≥ 5	678	230	125	3	30	415	410	119	31	95	378	1 038	231	200	3 983
Bloody diarrhea (BD)	< 5	0	3	21	0	0	1	1	0	0	0	2	40	0	0	68
	≥ 5	0	4	9	0	0	0	1	0	0	0	1	3	0	0	18
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	1	0	0	1
Acute jaundice syndrome (AJS)	< 5	44	4	49	0	1	6	7	2	1	4	4	197	1	0	320
	≥ 5	44	3	25	0	3	4	11	8	0	11	10	245	7	1	372
Influenza like illness (ILI)	< 5	917	534	223	38	171	1 161	1 579	120	138	249	563	2 146	677	1 017	9 533
	≥ 5	851	618	125	46	180	1 460	2 502	244	246	349	917	2 059	1 074	1 722	12 393
Acute flaccid paralysis (AFP)	< 5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	≥ 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suspected measles (SM)	< 5	1	0	15	0	0	0	9	0	0	1	0	0	0	0	26
	≥ 5	2	0	0	0	0	0	4	1	0	1	0	2	0	0	10
Suspected meningitis (SMN)	< 5	2	0	6	0	0	0	1	3	0	1	4	6	0	1	24
	≥ 5	8	2	2	0	0	0	4	4	0	0	3	2	0	0	25
Severe acute respiratory infection (SARI)	< 5	0	21	1	0	2	6	3	51	1	0	33	8	0	38	164
	≥ 5	1	17	3	3	0	15	20	58	1	0	49	5	0	51	223
Typhoid fever (TYF)	< 5	26	1	0	0	0	0	1	0	0	0	0	7	0	0	35
	≥ 5	29	0	2	0	1	0	9	9	1	8	0	202	6	1	268
Brucellosis (BRU)	< 5	7	0	0	0	0	0	3	0	0	1	0	4	2	0	17
	≥ 5	16	1	0	0	2	2	16	5	2	1	3	150	12	0	210
Suspected tuberculosis (TB)	< 5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	≥ 5	3	0	0	0	0	0	5	1	0	0	1	2	0	0	12
Suspected pertussis (PER)	< 5	40	0	2	0	0	0	1	0	0	0	0	36	0	0	79
	≥ 5	51	0	0	0	0	0	2	0	0	0	0	24	0	0	77
suspected leishmaniasis (LSH)	< 5	85	16	0	0	0	0	94	0	0	0	6	555	1	0	757
	≥ 5	94	46	0	0	0	2	408	35	2	0	3	771	5	5	1 371
Suspected chickenpox (CHP)	< 5	6	64	17	0	0	1	8	2	3	5	1	115	1	0	223
	≥ 5	17	30	4	0	3	0	15	12	3	4	1	44	5	3	141
Scabies (SCA)	< 5	39	1	0	0	1	0	24	1	0	0	0	107	0	1	174
	≥ 5	93	4	0	0	2	5	52	1	14	2	3	108	1	1	286
Lice (LIC)	< 5	116	1	0	0	0	25	24	3	0	3	0	73	2	0	247
	≥ 5	158	0	0	1	1	177	88	28	4	14	2	103	3	0	579
Suspected mumps (MUM)	< 5	0	1	2	0	0	0	1	1	0	1	0	13	0	0	19
	≥ 5	25	7	3	0	0	0	3	1	1	0	0	18	0	0	58
Others	< 5	0	37	0	0	2	2	0	2	10	6	0	68	0	0	127
	≥ 5	0	24	0	0	2	3	1	3	17	13	2	60	11	0	136
Total of < 5		1 986	1 019	538	52	209	1 592	2 292	325	198	394	984	4 345	837	1 210	15 981
Total of ≥ 5		2 070	986	298	53	224	2 083	3 551	529	322	498	1 373	4 837	1 355	1 984	20 163
Grand total		4 056	2 005	836	105	433	3 675	5 843	854	520	892	2 357	9 182	2 192	3 194	36 144