Ⅰ. National Notifiable Infectious Diseases

1. Reported cases, week ending January 12, 2019 (2nd Week)*

Unit: no. of cases[†]

Classification of disease[‡]	Current week	Cum. 2019	5-year weekly average	Total no. of cases by year					Imported cases of current week : Country (no. of cases)
				2018	2017	2016	2015	2014	
Category Ⅰ									
Cholera	0	0	0	2	5	4	0	0	
Typhoid fever	6	9	4	249	128	121	121	251	Nepal(1)
Paratyphoid fever	1	1	1	53	73	56	44	37	
Shigellosis	6	9	4	223	111	113	88	110	
EHEC	2	8	0	141	138	104	71	111	
Viral hepatitis A	97	161	43	2,451	4,419	4,679	1,804	1,307	
Category Ⅱ									
Pertussis	10	39	4	956	318	129	205	88	
Tetanus	1	1	0	31	34	24	22	23	
Measles	19	25	0	39	7	18	7	442	
Mumps	260	519	351	19,288	16,924	17,057	23,448	25,286	
Rubella	0	2	0	31	7	11	11	11	
Viral hepatitis B (Acute)	7	9	4	410	391	359	155	173	
Japanese encephalitis	0	0	0	17	9	28	40	26	
Varicella	2,118	4,911	1,564	96,477	80,092	54,060	46,330	44,450	
Haemophilus influenza type b	0	0	0	2	3	0	0	0	
Streptococcus pneumoniae	11	27	9	678	523	441	228	36	
Category Ⅲ									
Malaria	0	4	1	587	515	673	699	638	
Scarlet fever[§]	128	286	245	15,782	22,838	11,911	7,002	5,809	
Meningococcal meningitis	2	2	0	14	17	6	6	5	
Legionellosis	4	15	2	298	198	128	45	30	
Vibrio vulnificus sepsis	0	0	0	49	46	56	37	61	
Murine typhus	1	1	0	23	18	18	15	9	
Scrub typhus	19	42	20	6,764	10,528	11,105	9,513	8,130	
Leptospirosis	3	5	1	147	103	117	104	58	
Brucellosis	5	14	0	42	6	4	5	8	
Rabies	0	0	0	0	0	0	0	0	
HFRS	10	16	8	505	531	575	384	344	
Syphilis	24	58	26	2,282	2,148	1,569	1,006	1,015	
CJD/vCJD	4	13	1	80	36	42	33	65	
Tuberculosis	647	1,146	594	26,786	28,161	30,892	32,181	34,869	
HIV/AIDS	17	27	5	989	1,009	1,062	1,018	1,081	
Viral hepatitis C	177	360	-	11,021	6,396	-	-	-	
VRSA	0	0	-	0	0	-	-	-	
CRE	244	475	-	11,918	5,716	-	-	-	

1. *(Continued)* **Reported cases, week ending January 12, 2019 (2nd Week)[*]**

Unit: no. of cases[†]

Classification of disease[‡]	Current week	Cum. 2019	5-year weekly average	Total no. of cases by year					Imported cases of current week : Country (no. of cases)
				2018	2017	2016	2015	2014	
Category IV									
Dengue fever	15	21	3	194	171	313	255	165	Vietnam(5), Thailand(4), Philippines(3), East Timor(1), Maldives(1), Sri Lanka(1)
Q fever	23	36	1	346	96	81	27	8	Philippines(1)
West Nile fever	0	0	0	0	0	0	0	0	
Lyme Borreliosis	4	10	0	41	31	27	9	13	
Melioidosis	0	0	0	2	2	4	4	2	
Chikungunya fever	4	6	0	11	5	10	2	1	Vietnam(2), Maldives(1), Thailand(1)
SFTS	0	0	0	259	272	165	79	55	
MERS	0	0	-	1	0	0	185	-	
Zika virus infection	6	6	-	6	11	16	-	-	Vietnam(3), Philippines(3)

Abbreviation: EHEC= Enterohemorrhagic E*scherichia coli;* HFRS= Hemorrhagic fever with renal syndrome,
CJD/vCJD= Creutzfeldt-Jacob Disease / variant Creutzfeldt-Jacob Disease, VRSA = Vancomycin-resistant *Staphylococcus aureus,* CRE = Carbapenem-resistant Enterobacteriaceae, SFTS = Severe fever with thrombocytopenia syndrome,
MERS-CoV= Middle East Respiratory Syndrome Coronavirus.
Cum: Cumulative counts from 1st week to current week in a year.
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
‡ The reported surveillance data excluded Hansen's disease and no incidence data such as Diphtheria, Poliomyelitis, Epidemic typhus, Anthrax, Plague, Yellow fever, Viral hemorrhagic fever, Smallpox, Severe Acute Respiratory Syndrome, Animal influenza infection in humans, Novel Influenza, Tularemia, Newly emerging infectious disease syndrome and Tick-borne Encephalitis.
§ Data on scarlet fever included both cases of confirmed and suspected since September 27, 2012.

2. Reported cases by geography, week ending January 12, 2019 (2nd Week)[*]

Unit: no. of cases[†]

Reporting area	Cholera			Typhoid fever			Paratyphoid fever			Shigellosis		
	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
Overall	0	0	0	6	9	6	1	1	0	6	9	10
Seoul	0	0	0	0	2	1	0	0	0	1	2	2
Busan	0	0	0	1	1	0	0	0	0	0	0	1
Daegu	0	0	0	0	0	0	0	0	0	0	0	1
Incheon	0	0	0	0	0	1	0	0	0	0	0	1
Gwangju	0	0	0	0	1	0	1	1	0	0	1	0
Daejeon	0	0	0	0	0	1	0	0	0	0	0	0
Ulsan	0	0	0	0	0	0	0	0	0	0	0	0
Sejong	0	0	0	0	0	0	0	0	0	0	0	0
Gyonggi	0	0	0	3	3	1	0	0	0	3	4	2
Gangwon	0	0	0	0	0	0	0	0	0	0	0	0
Chungbuk	0	0	0	0	0	0	0	0	0	0	0	0
Chungnam	0	0	0	1	1	1	0	0	0	0	0	1
Jeonbuk	0	0	0	0	0	0	0	0	0	0	0	0
Jeonnam	0	0	0	1	1	1	0	0	0	1	1	1
Gyeongbuk	0	0	0	0	0	0	0	0	0	0	0	1
Gyeongnam	0	0	0	0	0	0	0	0	0	1	1	0
Jeju	0	0	0	0	0	0	0	0	0	0	0	0

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. *(Continued)* **Reported cases by geography, week ending January 12, 2019 (2nd Week)**[*]

Unit: no. of cases[†]

Reporting area	Diseases of Category I						Diseases of Category II					
	Enterohemorrhagic *Escherichia coli*			Viral hepatitis A			Pertussis			Tetanus		
	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
Overall	2	8	0	97	161	80	10	39	6	1	1	0
Seoul	0	0	0	18	32	14	0	5	1	0	0	0
Busan	0	0	0	1	2	1	0	1	0	0	0	0
Daegu	0	0	0	0	0	1	1	4	0	0	0	0
Incheon	1	1	0	6	10	6	0	1	1	0	0	0
Gwangju	0	0	0	0	1	1	2	2	0	0	0	0
Daejeon	0	0	0	11	16	4	1	2	0	0	0	0
Ulsan	0	0	0	1	3	0	1	1	0	0	0	0
Sejong	0	0	0	1	1	0	0	2	1	0	0	0
Gyonggi	1	6	0	30	48	29	2	7	2	0	0	0
Gangwon	0	0	0	4	8	2	0	0	0	1	1	0
Chungbuk	0	0	0	8	11	2	0	3	0	0	0	0
Chungnam	0	0	0	10	14	7	0	1	0	0	0	0
Jeonbuk	0	0	0	3	6	7	0	1	1	0	0	0
Jeonnam	0	0	0	0	0	3	2	3	0	0	0	0
Gyeongbuk	0	0	0	3	5	2	1	4	0	0	0	0
Gyeongnam	0	0	0	1	3	1	0	2	0	0	0	0
Jeju	0	1	0	0	1	0	0	0	0	0	0	0

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. (Continued) Reported cases by geography, week ending January 12, 2019 (2nd Week)[*]

Reporting area	Diseases of Category II											
	Measles			Mumps			Rubella			Viral hepatitis B (Acute)		
	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
Overall	19	25	0	260	519	666	0	2	0	7	9	4
Seoul	1	3	0	48	78	64	0	0	0	0	0	1
Busan	1	2	0	16	27	56	0	0	0	1	1	1
Daegu	9	10	0	8	17	17	0	0	0	0	0	0
Incheon	1	1	0	15	25	19	0	0	0	0	1	0
Gwangju	0	0	0	16	26	64	0	0	0	0	0	0
Daejeon	0	0	0	7	12	17	0	0	0	0	0	0
Ulsan	0	0	0	12	2	19	0	0	0	0	0	0
Sejong	0	0	0	0	29	4	0	0	0	0	0	0
Gyonggi	3	5	0	40	115	138	0	2	0	1	2	1
Gangwon	0	0	0	4	11	30	0	0	0	0	0	0
Chungbuk	0	0	0	8	18	11	0	0	0	1	1	0
Chungnam	1	1	0	19	28	25	0	0	0	1	1	0
Jeonbuk	0	0	0	15	38	73	0	0	0	1	1	0
Jeonnam	0	0	0	10	18	38	0	0	0	0	0	0
Gyeongbuk	3	3	0	14	22	21	0	0	0	0	0	0
Gyeongnam	0	0	0	25	48	61	0	0	0	1	1	1
Jeju	0	0	0	3	5	9	0	0	0	1	1	0

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. (Continued) Reported cases by geography, week ending January 12, 2019 (2nd Week)*

Unit: no. of cases[†]

Reporting area	Diseases of Category II						Diseases of Category III					
	Japanese encephalitis			Varicella			Malaria			Scarlet fever[¶]		
	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
Overall	0	0	0	2,118	4,911	3,237	0	4	3	128	286	410
Seoul	0	0	0	209	521	351	0	0	1	26	52	53
Busan	0	0	0	109	227	190	0	0	0	5	15	33
Daegu	0	0	0	101	223	186	0	0	0	5	11	15
Incheon	0	0	0	109	266	189	0	1	1	8	14	18
Gwangju	0	0	0	173	295	87	0	0	0	10	21	19
Daejeon	0	0	0	55	94	84	0	0	0	6	11	13
Ulsan	0	0	0	39	90	87	0	0	0	7	3	17
Sejong	0	0	0	32	108	18	0	0	0	1	12	1
Gyonggi	0	0	0	371	1,154	972	0	2	1	24	73	110
Gangwon	0	0	0	38	92	98	0	0	0	1	3	6
Chungbuk	0	0	0	50	89	80	0	0	0	3	6	9
Chungnam	0	0	0	97	215	142	0	0	0	10	23	20
Jeonbuk	0	0	0	96	225	153	0	0	0	6	9	17
Jeonnam	0	0	0	116	283	153	0	0	0	4	8	18
Gyeongbuk	0	0	0	153	282	147	0	0	0	9	16	21
Gyeongnam	0	0	0	319	623	223	0	1	0	3	8	34
Jeju	0	0	0	51	124	77	0	0	0	0	1	6

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. (Continued) Reported cases by geography, week ending January 12, 2019 (2nd Week)*

Unit: no. of cases†

| Reporting area | Diseases of Category III | | | | | | | | | | | |
| | Meningococcal meningitis | | | Legionellosis | | | Vibrio vulnificus sepsis | | | Murine typhus | | |
	Current week	Cum. 2019	Cum. 5-year average§	Current week	Cum. 2019	Cum. 5-year average§	Current week	Cum. 2019	Cum. 5-year average§	Current week	Cum. 2019	Cum. 5-year average§
Overall	2	2	0	4	15	3	0	0	0	1	1	0
Seoul	0	0	0	2	6	1	0	0	0	0	0	0
Busan	0	0	0	0	0	1	0	0	0	1	1	0
Daegu	0	0	0	0	2	0	0	0	0	0	0	0
Incheon	0	0	0	1	2	0	0	0	0	0	0	0
Gwangju	0	0	0	0	0	0	0	0	0	0	0	0
Daejeon	0	0	0	0	0	0	0	0	0	0	0	0
Ulsan	0	0	0	0	0	0	0	0	0	0	0	0
Sejong	0	0	0	0	0	0	0	0	0	0	0	0
Gyonggi	1	1	0	0	2	1	0	0	0	0	0	0
Gangwon	1	1	0	0	0	0	0	0	0	0	0	0
Chungbuk	0	0	0	0	0	0	0	0	0	0	0	0
Chungnam	0	0	0	0	0	0	0	0	0	0	0	0
Jeonbuk	0	0	0	0	0	0	0	0	0	0	0	0
Jeonnam	0	0	0	1	1	0	0	0	0	0	0	0
Gyeongbuk	0	0	0	0	2	0	0	0	0	0	0	0
Gyeongnam	0	0	0	0	0	0	0	0	0	0	0	0
Jeju	0	0	0	0	0	0	0	0	0	0	0	0

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.

§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. (Continued) Reported cases by geography, week ending January 12, 2019 (2nd Week)*

Unit: no. of cases†

Reporting area	Diseases of Category III											
	Scrub typhus			Leptospirosis			Brucellosis			Hemorrhagic fever with renal syndrome		
	Current week	Cum. 2019	Cum. 5-year average§	Current week	Cum. 2019	Cum. 5-year average§	Current week	Cum. 2019	Cum. 5-year average§	Current week	Cum. 2019	Cum. 5-year average§
Overall	19	42	32	3	5	1	5	14	0	10	16	12
Seoul	0	2	0	1	1	0	1	2	0	0	2	1
Busan	0	5	1	0	0	0	0	1	0	0	0	0
Daegu	0	0	0	0	0	0	0	0	0	0	0	0
Incheon	0	2	0	0	0	0	1	2	0	0	0	1
Gwangju	0	0	1	0	0	0	0	0	0	0	0	0
Daejeon	0	0	1	0	0	0	0	0	0	0	0	0
Ulsan	2	0	2	0	0	0	0	0	0	0	0	0
Sejong	0	3	0	0	0	0	0	0	0	0	0	0
Gyonggi	2	2	2	2	2	1	0	5	0	2	3	5
Gangwon	0	0	0	0	0	0	0	0	0	1	1	1
Chungbuk	1	1	1	0	0	0	2	2	0	0	0	0
Chungnam	2	4	2	0	1	0	0	0	0	1	3	1
Jeonbuk	1	2	3	0	0	0	0	0	0	1	2	1
Jeonnam	6	10	6	0	1	0	1	1	0	4	4	1
Gyeongbuk	1	2	2	0	0	0	0	0	0	1	1	1
Gyeongnam	3	6	9	0	0	0	0	1	0	0	0	0
Jeju	1	3	2	0	0	0	0	0	0	0	0	0

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.

§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. *(Continued)* Reported cases by geography, week ending January 12, 2019 (2nd Week)[*]

Unit: no. of cases[†]

Reporting area	Diseases of Category III									Diseases of Category IV		
	Syphilis			CJD/vCJD			Tuberculosis			Dengue fever		
	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
Overall	24	58	44	4	13	1	647	1,146	1,148	15	21	6
Seoul	7	12	10	1	3	1	102	179	224	5	8	2
Busan	3	8	3	2	2	0	49	85	83	0	0	1
Daegu	4	7	3	0	0	0	31	47	59	0	0	2
Incheon	2	6	4	0	0	0	25	48	58	2	2	0
Gwangju	0	0	1	0	0	0	16	28	31	0	0	0
Daejeon	2	2	2	0	0	0	13	28	26	0	0	0
Ulsan	0	0	0	0	1	0	9	23	22	0	0	0
Sejong	0	1	0	0	0	0	2	2	4	0	0	0
Gyonggi	0	7	10	0	1	0	140	261	242	3	5	1
Gangwon	2	2	1	0	1	0	28	50	51	2	2	0
Chungbuk	1	3	1	0	0	0	16	38	32	0	0	0
Chungnam	0	2	1	0	1	0	32	48	45	0	0	0
Jeonbuk	0	1	1	0	1	0	32	51	47	0	0	0
Jeonnam	1	1	2	0	1	0	33	61	55	1	2	0
Gyeongbuk	1	3	2	1	2	0	55	89	80	1	1	0
Gyeongnam	1	2	2	0	0	0	54	91	78	1	1	0
Jeju	0	1	1	0	0	0	10	17	12	0	0	0

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

2. (Continued) Reported cases by geography, week ending January 12, 2019 (2nd Week)*

Unit: no. of cases[†]

Reporting area	Diseases of Category IV											
	Q fever			Lyme Borreliosis			SFTS			Zika virus infection		
	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
Overall	23	36	1	4	10	0	0	0	0	6	6	-
Seoul	3	4	0	2	3	0	0	0	0	2	2	-
Busan	0	1	0	0	1	0	0	0	0	1	1	-
Daegu	0	0	0	0	0	0	0	0	0	1	1	-
Incheon	1	2	0	0	2	0	0	0	0	0	0	-
Gwangju	0	0	0	0	0	0	0	0	0	0	0	-
Daejeon	2	2	0	0	0	0	0	0	0	0	0	-
Ulsan	3	0	0	0	0	0	0	0	0	0	0	-
Sejong	0	4	0	0	0	0	0	0	0	0	0	-
Gyonggi	5	11	1	1	2	0	0	0	0	2	2	-
Gangwon	0	0	0	0	0	0	0	0	0	0	0	-
Chungbuk	3	4	0	0	0	0	0	0	0	0	0	-
Chungnam	0	1	0	1	1	0	0	0	0	0	0	-
Jeonbuk	1	1	0	0	1	0	0	0	0	0	0	-
Jeonnam	2	2	0	0	0	0	0	0	0	0	0	-
Gyeongbuk	1	2	0	0	0	0	0	0	0	0	0	-
Gyeongnam	2	2	0	0	0	0	0	0	0	0	0	-
Jeju	0	0	0	0	0	0	0	0	0	0	0	-

Cum: Cumulative counts from 1st week to current week in a year
* The reported data for year 2018-2019 are provisional but the data from 2014 to 2017 were finalized.
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

II. Sentinel-Reporting Infectious Diseases

1. Influenza, weeks ending January 12, 2019 (2nd Week)

- Weekly proportion of influenza-like illness per 1,000 outpatients: 33.6 cases (=3.36%)
- Variation: decrease from 53.1 cases in 1st week of 2019
- Sentinel reporting sites: 200 hospitals/clinics
  ※ 2018-2019 outbreak standard: 6.3 cases (/1,000)
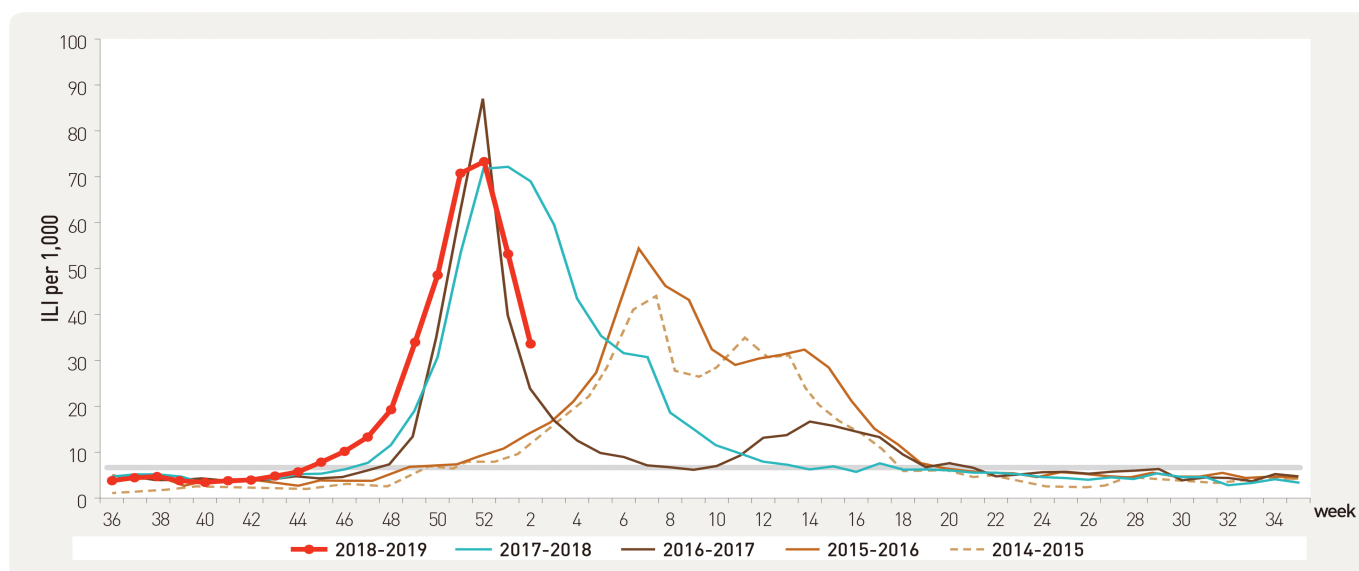
Figure 1. Weekly proportion of influenza-like illness per 1,000 outpatients, 2014-2015 to 2018-2019 flu seasons

2. Hand, Foot and Mouth Disease (HFMD), weeks ending January 12, 2019 (2nd Week)

- Weekly proportion of hand, foot and mouth disease (HFMD) per 1,000 outpatients: 1.6 cases
- Variation: increase from 1.5 cases in 1st week of 2019
- Sentinel reporting sites: 95 hospitals/clinics
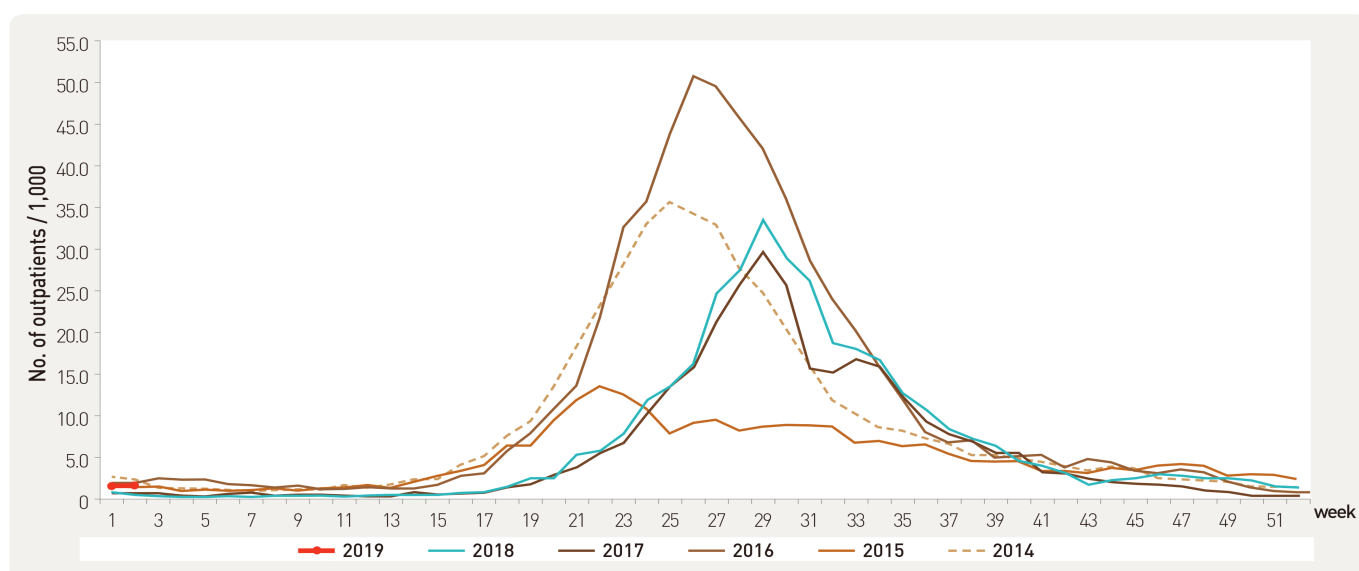
Figure 2. Weekly proportion of hand, foot and mouth per 1,000 outpatients, 2014-2019

3. Ophthalmologic infectious diseases, weeks ending January 12, 2019 (2nd Week)

- Weekly proportion of epidemic keratoconjunctivitis per 1,000 outpatients: 15.9 cases
- Variation: decrease from 22.6 cases in 1st week of 2019
- Sentinel reporting sites: 92 hospitals/clinics
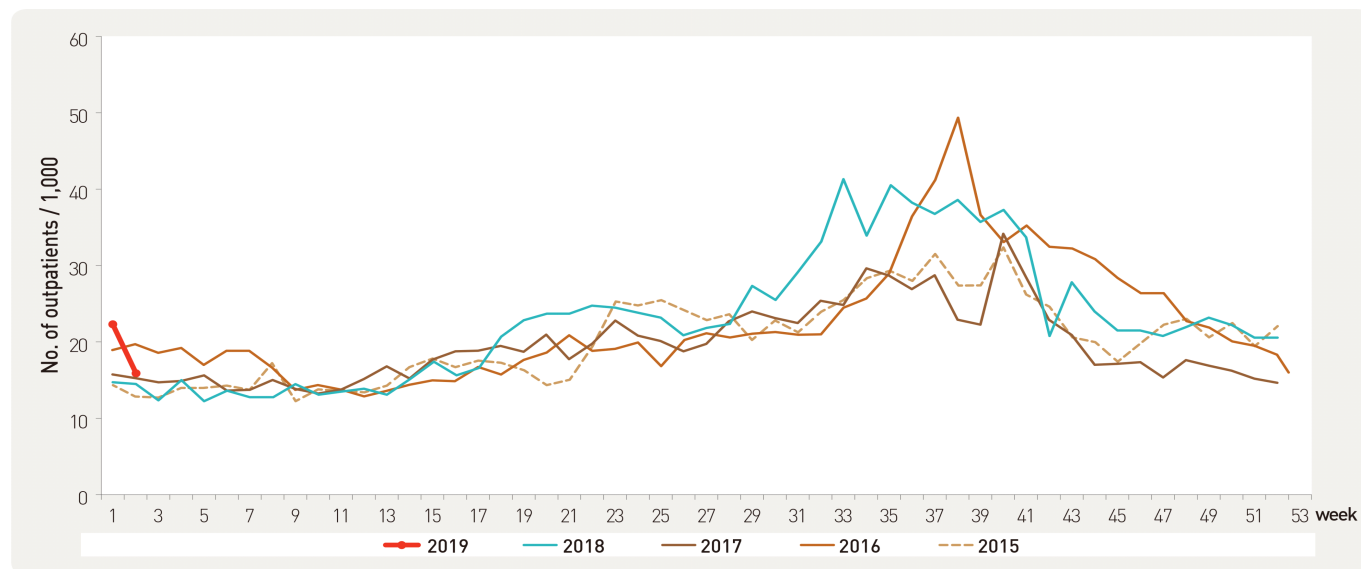
Figure 3. Weekly proportion of epidemic keratoconjunctivitis per 1,000 outpatients, 2015-2019

- Weekly proportion of acute hemorrhagic conjunctivitis per 1,000 outpatients: 0.8 case
- Variation: decrease from 0.9 case in 1st week of 2019
- Sentinel reporting sites: 92 hospitals/clinics
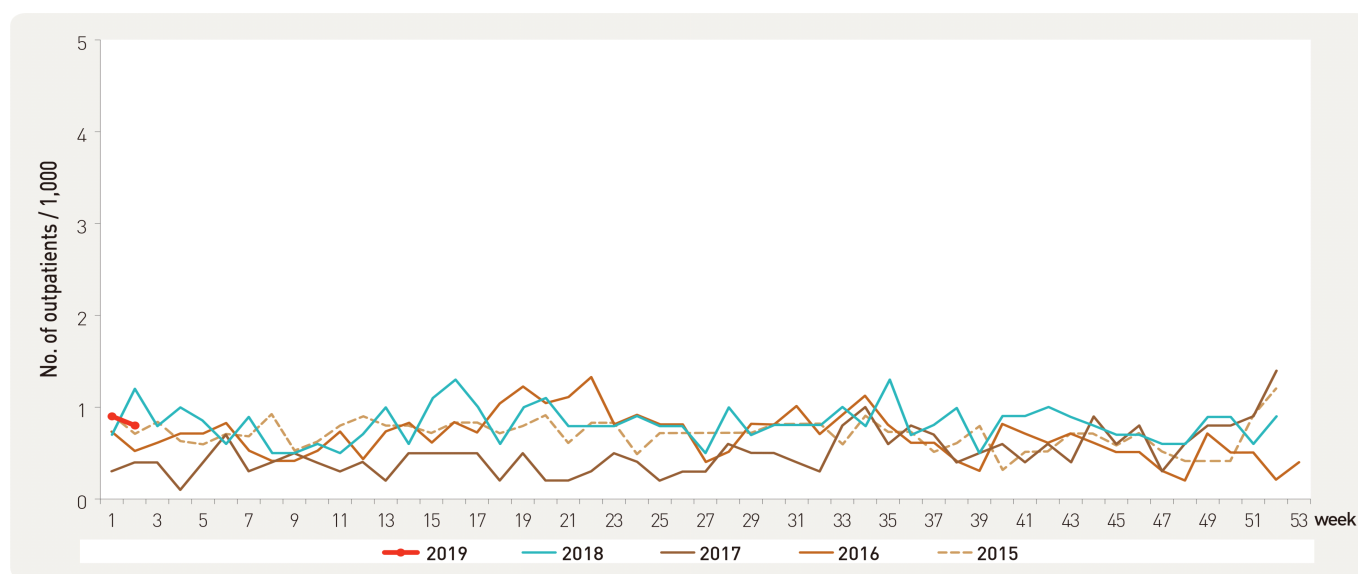
Figure 4. Weekly proportion of acute hemorrhagic conjunctivitis per 1,000 outpatients, 2015-2019

4. Sexually Transmitted Diseases[†], weeks ending January 12, 2019 (2nd Week)

- Cases per sentinel: 2.5 for genital herpes, 1.9 for condyloma acuminata, 1.8 for chlamydia, 1.1 for gonorrhea
- Variation from 1st week of 2019
  Decrease: gonorrhea (1.4 → 1.1), chlamydia (2.0 → 1.8), genital herpes (3.2 → 2.5), condyloma acuminata (2.6 → 1.9)
- Sentinel reporting sites: 580 hospitals/clinics
  ※ No. of reported sites in 2nd week: 35 for gonorrhea, 73 for chlamydia, 72 for genital herpes, 44 for condyloma acuminata

Unit: no. of cases/sentinels

Gonorrhea			Chlamydia			Genital herpes			Condyloma acuminata		
Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]	Current week	Cum. 2019	Cum. 5-year average[§]
1.1	2.0	2.0	1.8	3.5	2.7	2.5	5.1	3.2	1.9	3.8	2.2

Cum: Cumulative counts from 1st week to current week in a year
† According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.
§ Cum. 5-year average is mean value calculated by cumulative counts from 1st week to current week for 5 preceding years.

III. Waterborne and Foodborne Infectious Diseases

1. Waterborne and foodborne disease outbreaks, weeks ending January 12, 2019 (2nd Week)

- No. of reported outbreaks: 5 with 92 patients (cumulative no. of outbreaks: 11 with 165 patients)
- Variation: decrease from 6 in 1st week of 2019
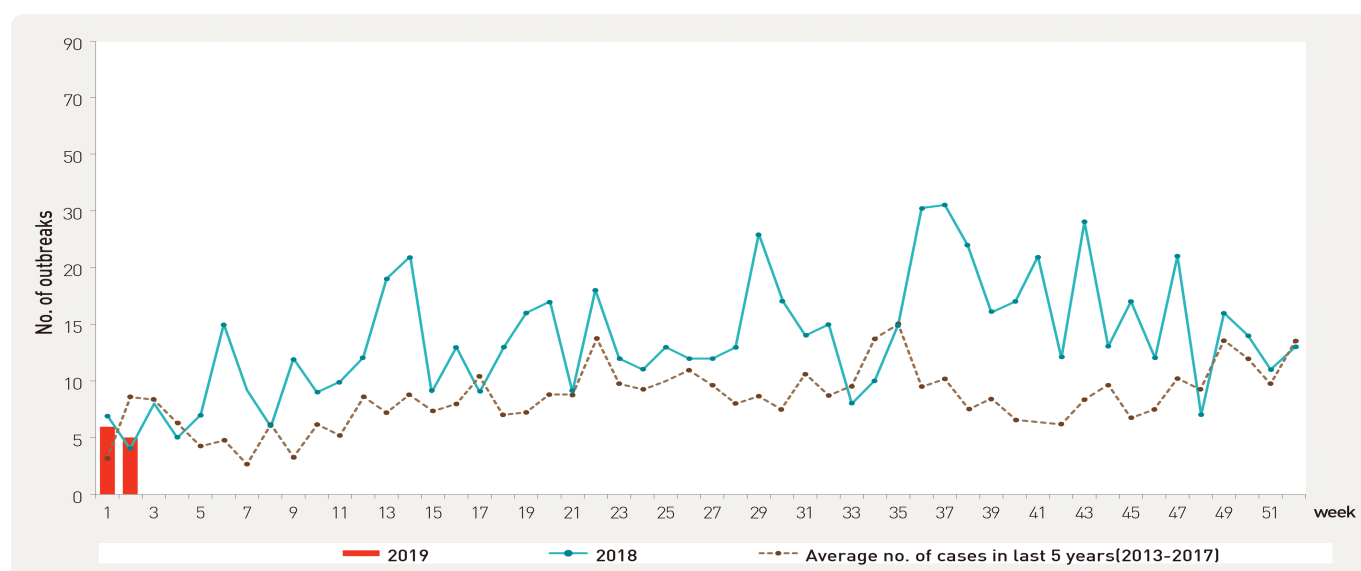- Reporting sites: 254 health centers

Figure 5. Number of waterborne and foodborne disease outbreaks reported by week, 2018-2019

IV. Laboratory-based Pathogen Surveillance: Influenza and Respiratory Viruses

1. Influenza viruses, Republic of Korea, weeks ending January 12, 2019 (2nd Week)

- Weekly reported number of specimens positive for influenza: 96 cases (33.7%) / 285 specimens
  [influenza subtype: A(H1N1)pdm09 77 cases, A(H3N2) 18 cases, B 1 case]
- Variation(%p): decrease from 106 cases (43.6%) / 243 specimens in 1st week of 2019
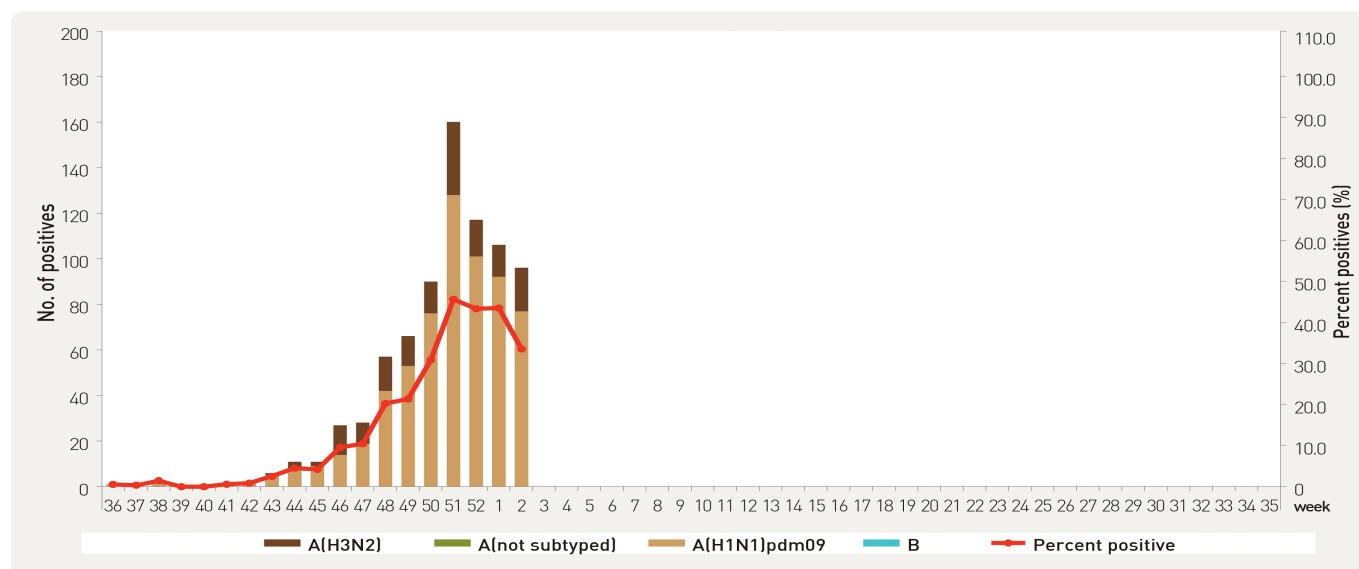- Sentinel reporting sites: 52 hospitals/clinics

Figure 6. Number of specimens positive for influenza by subtype, 2018-2019 flu season

2. Respiratory viruses, weeks ending January 12, 2019 (2nd Week)

- Detection rate: 63.5% (cumulative mean proportion during preceding three weeks plus current week: 70.8% out of 1,147 specimens)
- Variation(%p): decrease from 72.0% in 1st week of 2019
- Sentinel reporting sites: 17 city/provincial health and environmental institutes and 52 hospitals/clinics

2018-2019 (week)	Weekly total		Detection rate (%)							
	No. of samples	Detection rate (%)	HAdV	HPIV	HRSV	IFV	HCoV	HRV	HBoV	HMPV
51	350	76.0	6.3	0.0	9.4	45.7	7.7	6.0	0.6	0.3
52	269	71.8	6.0	1.5	8.2	43.5	4.1	6.7	1.9	0.0
1	243	72.0	9.1	1.2	7.0	43.6	5.4	5.8	0.0	0.0
2	285	63.5	5.6	2.1	6.3	33.7	6.7	7.7	0.7	0.7
Cum.※	1,147	70.8	6.7	1.2	7.7	41.8	6.0	6.5	0.8	0.3
2018 Cum.∀	11,966	63.0	6.8	6.1	4.4	17.0	5.7	16.3	1.7	4.9

- HAdV : human Adenovirus, HPIV : human Parainfluenza virus, HRSV : human Respiratory syncytial virus, IFV : Influenza virus,
  HCoV : human Coronavirus, HRV : human Rhinovirus, HBoV : human Bocavirus, HMPV : human Metapneumovirus
※ Cum. : the rate of detected cases between December 16, 2018 – January 12, 2019 (Average No. of detected cases is 287 last 4 weeks)
∀ 2018 Cum. : the rate of detected cases between January 01, 2018 - December 29, 2018

V. Laboratory-based Pathogen Surveillance: Acute Gastroenteritis Viruses/Bacteria

1. Acute gastroenteritis-causing virus, weeks ending January 5, 2019 (1st Week)

- Detection rate: 38.5% [cumulative mean proportion in 2019: 5 cases (38.5%) out of 13 specimens]
- Variation(%p): increase from 28.2% in 52nd week of 2018
- Sentinel reporting sites: 17 city/provincial health and environmental institutes and 70 hospitals/clinics

Week		No. of sample	No. of detection (Detection rate, %)									
			Group A Rotavirus		Norovirus		Enteric Adenovirus		Astrovirus		Total	
2018	50	57	1	(1.8)	10	(17.5)	0	(0.0)	1	(1.8)	12	(21.1)
	51	60	5	(8.3)	16	(26.7)	3	(5.0)	3	(5.0)	27	(45.0)
	52	39	3	(7.7)	7	(17.9)	0	(0.0)	1	(2.6)	11	(28.2)
2019	1	13	0	(0.0)	5	(38.5)	0	(0.0)	0	(0.0)	5	(38.5)
Cum. 2019		13	0	(0.0)	5	(38.5)	0	(0.0)	0	(0.0)	5	(38.5)

* The samples were collected from children ≤5 years of sporadic acute gastroenteritis in Korea.

2. Acute gastroenteritis-causing bacteria, weeks ending January 5, 2019 (1st Week)

- Detection rate: 1.8% [cumulative mean proportion in 2019: 1 case (1.8%) out of 55 specimens]
- Variation(%p): decrease from 10.5% in 52nd week of 2018
- Sentinel reporting sites: 17 city/provincial health and environmental institutes and 70 hospitals/clinics

Week		No. of Sample	No. of isolation (Isolation rate, %)									
			Salmonella spp.	Pathogenic E.coli	Shigella spp.	V.parahaemolyticus	V. cholerae	Campylobacter spp.	C.perfringens	S. aureus	B. cereus	Total
2018	50	136	4 (2.9)	3 (2.2)	0 (0)	0 (0)	0 (0)	1 (0.7)	7 (5.1)	2 (1.5)	2 (1.5)	20 (14.7)
	51	159	2 (1.3)	3 (1.9)	1 (0.6)	0 (0)	0 (0)	2 (1.3)	4 (2.5)	0 (0)	2 (1.3)	14 (8.8)
	52	143	2 (1.4)	7 (4.9)	0 (0)	0 (0)	0 (0)	3 (2.1)	2 (1.4)	1 (0.7)	0 (0)	15 (10.5)
2019	1	55	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (1.8)	0 (0)	1 (1.8)
Cum. 2019		55	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (1.8)	0 (0)	1 (1.8)

* Bacterial Pathogens : *Salmonella* spp., *E. coli* (EHEC, ETEC, EPEC, EIEC), *Shigella* spp., *Vibrio parahaemolyticus*, *Vibrio cholerae*, *Campylobacter* spp., *Clostridium perfringens*, *Staphylococcus aureus*, *Bacillus cereus*, *Listeria monocytogenes*, *Yersinia enterocolitica*.
* Hospitals participating in Laboratory surveillance in 2018 (70 hospitals)

VI. Laboratory-based Pathogen Surveillance: Enterovirus

1. Enterovirus, weeks ending January 5, 2019 (1st Week)

- Detection rate: 14.3% (2 cases / 14 specimens) [cumulative mean proportion in 2019: 14.3% (2 cases / 14 specimens)]
  - Aseptic meningitis: 2 cases (Cum. 2019: 2 cases)
  - HFMD and herpangina: 0 case (Cum. 2019: 0 case)
  - HFMD with complications: 0 case (Cum. 2019: 0 case)
  - Other: 0 case (Cum. 2019: 0 case)
- Variation(%p): increase from 13.2% in 52nd week of 2018
- Sentinel reporting sites: 8 city/provincial health and environmental institutes and 53 hospitals/clinics
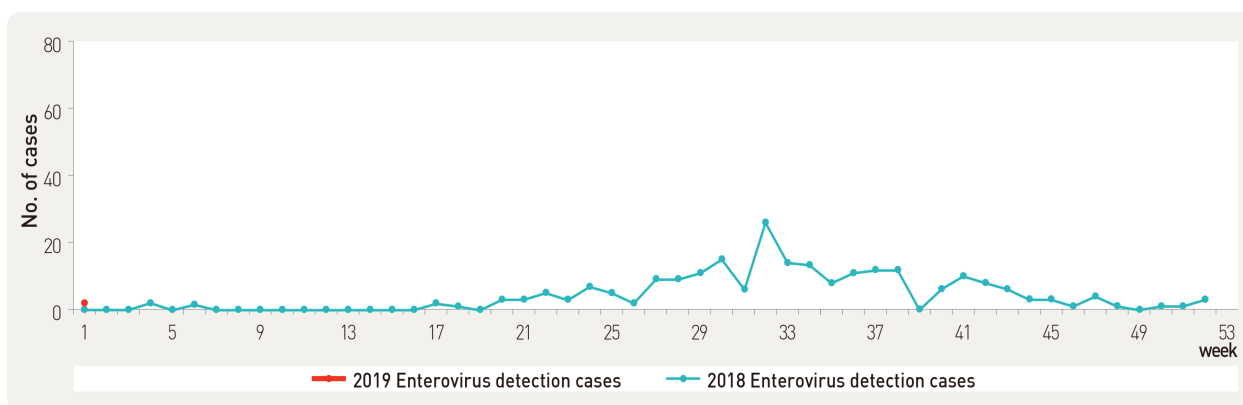
Figure 7. Detection of enterovirus in aseptic meningitis patients from 2017 to 2018
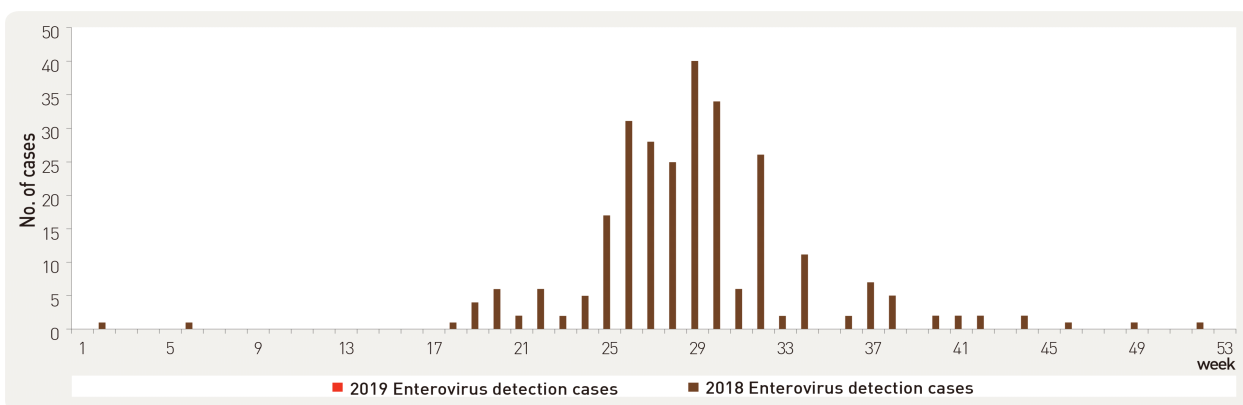
Figure 8. Detection of enterovirus in HFMD and herpangina patients from 2017 to 2018
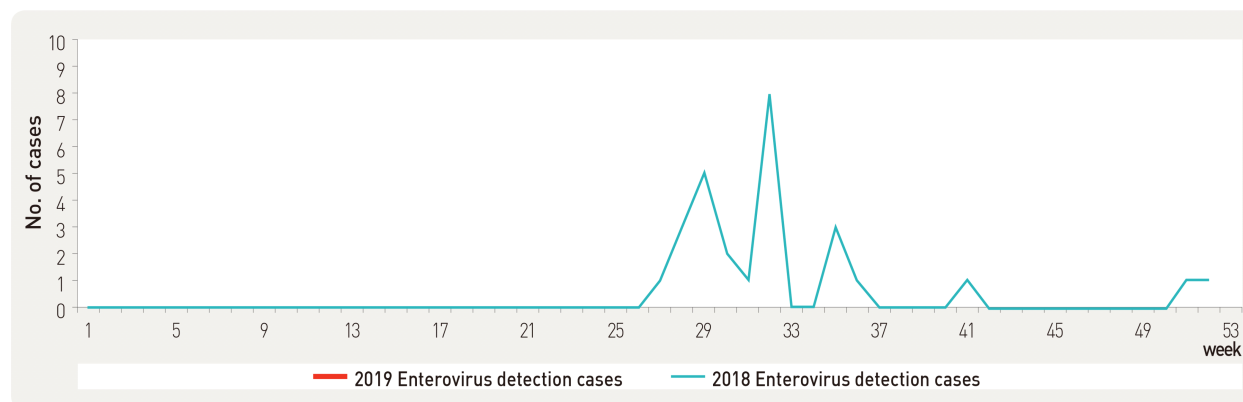

Figure 9. Detection of enterovirus in HFMD with complications patients from 2017 to 2018

About PHWR Disease Surveillance Statistics

The Public Health Weekly Report (PHWR) Disease Surveillance Statistics is prepared by the Korea Centers for Disease Control and Prevention (Korea CDC). These provisional surveillance data on the reported occurrence of national notifiable diseases and conditions are compiled through population-based or sentinel-based surveillance systems and published weekly, except for data on infrequent or recently-designated diseases. These surveillance statistics are informative for analyzing infectious disease or condition numbers and trends. However, the completeness of data might be influenced by some factors such as a date of symptom or disease onset, diagnosis, laboratory result, reporting of a case to a jurisdiction, or notification to Korea Centers for Disease Control and Prevention. The official and final disease statistics are published in infectious disease surveillance yearbook annually.

Using and Interpreting These Data in Tables

- Current Week – The number of cases under current week denotes cases who have been reported to Korea CDC at the central level via corresponding jurisdictions(health centers, and health departments) during that week and accepted/approved by surveillance staff.

- Cum. 2018 – For the current year, it denotes the cumulative(Cum) year-to-date provisional counts for the specified condition.

- 5-year weekly average – The 5-year weekly average is calculated by summing, for the 5 proceeding years, the provisional incidence counts for the current week, the two weeks preceding the current week, and the two weeks following the current week. The total sum of cases is then divided by 25 weeks. It gives help to discern the statistical aberration of the specified disease incidence by comparing difference between counts under current week and 5-year weekly average.

  For example,

		Week Number				
		10	**11**	**12**	**13**	**14**
Year	**2018**			Current week		
	2017	X1	X2	X3	X4	X5
	2016	X6	X7	X8	X9	X10
	2015	X11	X12	X13	X14	X15
	2014	X16	X17	X18	X19	X20
	2013	X21	X22	X23	X24	X25

  5-year weekly average for current week

  = (X1 + X2 + ... + X25) / 25

- Cum. 5-year average – Mean value calculated by cumulative counts from 1st week to current week for 5 preceding years. It gives help to understand the increasing or decreasing pattern of the specific disease incidence by comparing difference between cum. 2018 and cum. 5-year average.

Contact Us

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