

## I. National Notifiable Infectious Diseases

## 1. Reported cases, week ending April 7, 2018 (14th Week)\*

Unit: no. of cases<sup>†</sup>

Classification of disease <sup>‡</sup>	Current week	Cum. 2018	5-year weekly average	Total no. of cases by year					Imported cases of current week : Country (no. of cases)
				2017	2016	2015	2014	2013	
Category I									
Cholera	0	0	0	5	4	0	0	3	
Typhoid fever	12	110	3	128	121	121	251	156	Laos(6)
Paratyphoid fever	2	12	1	73	56	44	37	54	
Shigellosis	3	103	1	111	113	88	110	294	Cambodia(1)
EHEC	3	17	1	138	104	71	111	61	
Viral hepatitis A	60	898	79	4,419	4,679	1,804	1,307	867	
Category II									
Pertussis	8	139	2	318	129	205	88	36	
Tetanus	1	5	0	34	24	22	23	22	
Measles	9	20	4	7	18	7	442	107	
Mumps	493	3,889	339	16,924	17,057	23,448	25,286	17,024	
Rubella	6	46	0	9	11	11	11	18	
Viral hepatitis B (Acute)	7	109	4	391	359	155	173	117	
Japanese encephalitis	0	0	0	9	28	40	26	14	
Varicella	1,252	16,423	745	80,091	54,060	46,330	44,450	37,361	
<i>Streptococcus pneumoniae</i>	12	260	9	523	441	228	36	-	
Category III									
Malaria	8	24	3	515	673	699	638	445	Nigeria(1), Sierra Leone(1)
Scarlet fever <sup>§</sup>	461	5,791	225	22,837	11,911	7,002	5,809	3,678	
Meningococcal meningitis	0	6	0	17	6	6	5	6	
Legionellosis	9	79	1	198	128	45	30	21	
<i>Vibrio vulnificus</i> sepsis	0	0	0	46	56	37	61	56	
Murine typhus	0	1	0	18	18	15	9	19	
Scrub typhus	48	255	8	10,528	11,105	9,513	8,130	10,365	
Leptospirosis	1	7	0	103	117	104	58	50	Thailand(1)
Brucellosis	8	26	0	6	4	5	8	16	
Rabies	0	0	0	0	0	0	0	0	
HFRS	2	50	3	532	575	384	344	527	
Syphilis	41	647	23	2,148	1,569	1,006	1,015	799	
CJD/vCJD	3	32	1	36	42	33	65	34	
Tuberculosis	625	7,873	676	28,161	30,892	32,181	34,869	36,089	
HIV/AIDS	23	245	21	1,005	1,062	1,018	1,081	1,013	
Viral hepatitis C	231	3,149	-	6,396	-	-	-	-	
VRSA	0	0	-	0	-	-	-	-	
CRE	166	2,316	-	5,704	-	-	-	-	

# 1. (Continued) Reported cases, week ending April 7, 2018 (14th Week)\*

Unit: no. of cases<sup>†</sup>

Classification of disease <sup>‡</sup>	Current week	Cum. 2018	5-year weekly average	Total no. of cases by year					Imported cases of current week : Country (no. of cases)
				2017	2016	2015	2014	2013	
Category IV									
Dengue fever	4	43	3	171	313	255	165	252	Thailand(2), Cambodia(1), Philippines(1) Japan(1)
Q fever	24	128	1	96	81	27	8	11	
West Nile fever	0	0	0	0	0	0	0	0	
Lyme Borreliosis	3	18	0	31	27	9	13	11	
Melioidosis	0	0	0	2	4	4	2	2	Cambodia(1), Thailand(1)
Chikungunya fever	2	5	0	5	10	2	1	2	
SFTS	0	0	0	272	165	79	55	36	
MERS	0	0	-	0	0	185	-	-	
Zika virus infection	0	0	-	11	16	-	-	-	

Abbreviation: EHEC= Enterohemorrhagic *Escherichia 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 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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, *Haemophilus influenzae* type b, 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category I											
	Cholera			Typhoid fever			Paratyphoid fever			Shigellosis		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§
Overall	0	0	0	12	110	38	2	12	10	3	103	29
Seoul	0	0	0	3	23	7	1	4	3	1	22	5
Busan	0	0	0	0	9	1	0	1	1	0	7	2
Daegu	0	0	0	0	3	1	0	0	0	0	14	1
Incheon	0	0	0	1	10	3	0	0	1	0	8	5
Gwangju	0	0	0	0	1	1	0	0	0	0	3	0
Daejeon	0	0	0	4	8	2	0	0	0	0	3	0
Ulsan	0	0	0	0	5	0	0	0	0	0	0	0
Sejong	0	0	0	0	2	0	0	0	0	0	2	0
Gyeonggi	0	0	0	2	20	8	1	4	2	0	13	7
Gangwon	0	0	0	0	8	0	0	0	0	0	3	0
Chungbuk	0	0	0	0	6	1	0	1	1	0	1	1
Chungnam	0	0	0	1	2	3	0	0	0	0	5	1
Jeonbuk	0	0	0	0	0	1	0	0	1	0	2	1
Jeonnam	0	0	0	0	1	2	0	2	0	0	2	3
Gyeongbuk	0	0	0	0	4	1	0	0	1	2	16	1
Gyeongnam	0	0	0	1	8	7	0	0	0	0	2	1
Jeju	0	0	0	0	0	0	0	0	0	0	0	1

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category I						Diseases of Category II					
	Enterohemorrhagic <i>Escherichia coli</i>			Viral hepatitis A			Pertussis			Tetanus		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§
Overall	3	17	5	60	898	752	8	139	24	1	5	0
Seoul	1	3	1	15	186	137	0	30	6	0	0	0
Busan	0	0	0	1	19	35	2	8	1	0	0	0
Daegu	0	3	1	1	28	16	0	3	0	0	1	0
Incheon	1	1	0	4	68	63	0	20	1	0	0	0
Gwangju	0	2	1	0	15	21	0	6	2	0	0	0
Daejeon	0	0	0	2	33	32	0	2	0	0	0	0
Ulsan	0	0	0	0	10	8	0	0	1	0	0	0
Sejong	0	0	0	0	6	5	0	8	0	0	0	0
Gyeonggi	0	3	2	23	273	221	1	21	4	0	0	0
Gangwon	0	1	0	1	19	17	0	0	0	0	0	0
Chungbuk	0	0	0	1	30	23	2	4	0	0	1	0
Chungnam	0	1	0	3	87	49	0	3	1	0	0	0
Jeonbuk	0	0	0	6	57	37	1	5	1	0	0	0
Jeonnam	0	1	0	2	15	36	0	7	1	1	2	0
Gyeongbuk	0	0	0	0	26	17	0	6	3	0	0	0
Gyeongnam	0	1	0	1	24	28	2	16	2	0	1	0
Jeju	1	1	0	0	2	7	0	0	1	0	0	0

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases<sup>†</sup>

Reporting area	Diseases of Category II											
	Measles			Mumps			Rubella			Viral hepatitis B (Acute)		
	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>
Overall	9	20	22	493	3,889	3,695	6	46	2	7	109	57
Seoul	1	2	2	65	467	354	0	6	1	0	20	9
Busan	1	1	0	35	247	270	0	5	0	0	7	5
Daegu	0	1	0	19	161	109	1	4	0	1	5	1
Incheon	1	1	1	20	194	148	0	1	0	0	5	4
Gwangju	0	0	0	25	125	290	0	0	0	0	2	1
Daejeon	1	3	2	13	133	158	0	1	0	1	4	2
Ulsan	0	0	0	27	165	112	0	0	0	0	2	2
Sejong	0	0	0	3	26	12	0	2	0	0	0	0
Gyeonggi	3	8	9	124	1,043	793	3	11	1	4	31	15
Gangwon	1	1	0	22	135	142	1	5	0	0	3	2
Chungbuk	0	0	1	9	101	67	0	0	0	0	2	2
Chungnam	0	2	1	16	166	135	0	2	0	0	4	2
Jeonbuk	0	0	0	18	139	356	1	3	0	1	3	4
Jeonnam	0	0	5	17	131	219	0	2	0	0	3	2
Gyeongbuk	0	0	1	31	197	143	0	3	0	0	6	3
Gyeongnam	1	1	0	41	396	335	0	1	0	0	12	3
Jeju	0	0	0	8	63	52	0	0	0	0	0	0

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category II						Diseases of Category III					
	Japanese encephalitis			Varicella			Malaria			Scarlet fever‡		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§
Overall	0	0	0	1,252	16,423	11,837	8	24	21	461	5,791	2,412
Seoul	0	0	0	118	2,125	1,181	1	4	5	79	927	257
Busan	0	0	0	51	816	845	0	0	1	43	549	184
Daegu	0	0	0	51	877	679	0	0	0	21	168	95
Incheon	0	0	0	62	912	687	1	4	2	27	288	103
Gwangju	0	0	0	48	665	320	1	2	0	20	214	121
Daejeon	0	0	0	29	494	326	0	0	0	15	193	78
Ulsan	0	0	0	72	665	403	0	0	1	34	325	98
Sejong	0	0	0	7	133	64	0	0	0	2	30	6
Gyeonggi	0	0	0	319	4,420	3,289	4	10	8	96	1,433	707
Gangwon	0	0	0	57	435	475	1	1	1	9	92	26
Chungbuk	0	0	0	31	530	223	0	1	1	6	132	40
Chungnam	0	0	0	58	697	511	0	0	1	13	200	123
Jeonbuk	0	0	0	65	579	534	0	1	1	30	260	87
Jeonnam	0	0	0	37	617	538	0	0	0	16	259	92
Gyeongbuk	0	0	0	40	722	526	0	0	0	19	252	157
Gyeongnam	0	0	0	137	1,050	933	0	0	0	25	409	205
Jeju	0	0	0	70	686	303	0	1	0	6	60	33

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category III											
	Meningococcal meningitis			Legionellosis			<i>Vibrio vulnificus</i> sepsis			Murine typhus		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§
Overall	0	6	2	9	79	17	0	0	0	0	1	0
Seoul	0	0	1	3	20	6	0	0	0	0	0	0
Busan	0	0	0	0	7	1	0	0	0	0	0	0
Daegu	0	0	0	0	4	1	0	0	0	0	0	0
Incheon	0	2	0	0	3	2	0	0	0	0	0	0
Gwangju	0	0	0	0	0	0	0	0	0	0	0	0
Daejeon	0	0	0	0	2	0	0	0	0	0	0	0
Ulsan	0	0	0	0	2	1	0	0	0	0	0	0
Sejong	0	0	0	0	0	0	0	0	0	0	0	0
Gyeonggi	0	0	1	3	17	3	0	0	0	0	0	0
Gangwon	0	0	0	3	3	1	0	0	0	0	0	0
Chungbuk	0	0	0	0	2	0	0	0	0	0	0	0
Chungnam	0	1	0	0	0	1	0	0	0	0	0	0
Jeonbuk	0	0	0	0	2	0	0	0	0	0	0	0
Jeonnam	0	0	0	0	1	0	0	0	0	0	0	0
Gyeongbuk	0	0	0	0	14	1	0	0	0	0	0	0
Gyeongnam	0	3	0	0	2	0	0	0	0	0	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 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category III											
	Scrub typhus			Leptospirosis			Brucellosis			Hemorrhagic fever with renal syndrome		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§
Overall	48	255	118	1	7	5	8	26	0	2	50	56
Seoul	7	17	5	1	1	0	1	4	0	0	6	3
Busan	2	6	8	0	0	1	0	3	0	0	0	1
Daegu	0	2	1	0	0	0	0	3	0	0	0	0
Incheon	1	6	3	0	1	0	0	0	0	0	1	1
Gwangju	1	4	2	0	0	0	0	0	0	0	0	0
Daejeon	1	3	4	0	0	0	1	1	0	0	1	1
Ulsan	1	8	3	0	1	0	0	0	0	0	0	1
Sejong	0	0	1	0	0	0	0	0	0	0	0	0
Gyeonggi	9	23	14	0	1	1	1	3	0	0	9	21
Gangwon	0	3	5	0	1	0	0	0	0	0	2	6
Chungbuk	2	8	1	0	0	0	1	2	0	1	6	2
Chungnam	3	23	8	0	0	0	0	3	0	1	5	3
Jeonbuk	1	20	8	0	1	1	1	2	0	0	4	4
Jeonnam	14	60	23	0	0	1	0	2	0	0	5	4
Gyeongbuk	3	16	8	0	1	0	2	2	0	0	7	6
Gyeongnam	3	50	21	0	0	1	1	1	0	0	4	2
Jeju	0	6	3	0	0	0	0	0	0	0	0	1

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category III									Diseases of Category IV		
	Syphilis			CJD/vCJD			Tuberculosis			Dengue fever		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§
Overall	41	647	285	3	32	11	625	7,873	8,558	4	43	48
Seoul	13	152	62	0	8	2	110	1,359	1,691	2	13	16
Busan	3	43	15	0	1	0	39	531	631	0	6	2
Daegu	0	28	13	0	2	1	24	339	427	0	1	3
Incheon	3	49	23	0	0	1	30	406	452	0	3	2
Gwangju	1	25	9	0	0	1	19	191	224	0	1	0
Daejeon	2	18	7	0	0	0	11	183	207	0	0	2
Ulsan	1	7	3	0	0	0	14	171	172	0	0	1
Sejong	0	1	2	0	0	0	1	35	22	0	0	0
Gyeonggi	9	182	77	2	9	2	149	1,720	1,755	1	11	12
Gangwon	1	12	9	0	1	0	22	349	355	0	1	1
Chungbuk	0	17	6	0	0	1	21	257	255	0	1	0
Chungnam	1	29	11	0	1	1	27	406	367	0	0	2
Jeonbuk	3	8	7	0	2	0	26	296	326	0	1	1
Jeonnam	0	11	7	0	1	1	36	423	416	0	2	1
Gyeongbuk	3	26	11	1	4	1	46	580	599	1	2	2
Gyeongnam	1	18	14	0	3	0	36	510	560	0	0	3
Jeju	0	21	9	0	0	0	14	117	99	0	1	0

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)\*

Unit: no. of cases†

Reporting area	Diseases of Category IV											
	Q fever			Lyme Borreliosis			SFTS			Zika virus infection		
	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 5-year average§	Current week	Cum. 2018	Cum. 3-year average§	Current week	Cum. 2018	Cum. 3-year average§
Overall	24	128	7	3	18	1	0	0	0	0	0	-
Seoul	8	33	1	1	7	1	0	0	0	0	0	-
Busan	0	6	0	0	0	0	0	0	0	0	0	-
Daegu	0	5	0	0	0	0	0	0	0	0	0	-
Incheon	0	2	0	0	0	0	0	0	0	0	0	-
Gwangju	0	4	0	0	0	0	0	0	0	0	0	-
Daejeon	3	6	0	0	0	0	0	0	0	0	0	-
Ulsan	1	5	0	0	2	0	0	0	0	0	0	-
Sejong	0	5	0	0	0	0	0	0	0	0	0	-
Gyeonggi	5	28	1	1	3	0	0	0	0	0	0	-
Gangwon	0	1	0	0	0	0	0	0	0	0	0	-
Chungbuk	2	10	2	0	1	0	0	0	0	0	0	-
Chungnam	0	5	1	1	3	0	0	0	0	0	0	-
Jeonbuk	0	0	0	0	0	0	0	0	0	0	0	-
Jeonnam	0	1	0	0	0	0	0	0	0	0	0	-
Gyeongbuk	3	5	1	0	0	0	0	0	0	0	0	-
Gyeongnam	2	12	1	0	1	0	0	0	0	0	0	-
Jeju	0	0	0	0	1	0	0	0	0	0	0	-

Cum: Cumulative counts from 1st week to current week in a year

\* The reported data for year 2017, 2018 are provisional but the data from 2013 to 2016 are finalized data.

† 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 April 7, 2018 (14th Week)

- Weekly proportion of influenza-like illness per 1,000 outpatients: 6.2 cases (=0.62%)
- Variation: decrease from 7.2 cases in 13<sup>th</sup> week
- Sentinel reporting sites: 200 hospitals/clinics
- ※ 2017-2018 outbreak standard: 6.6 cases (/1,000)

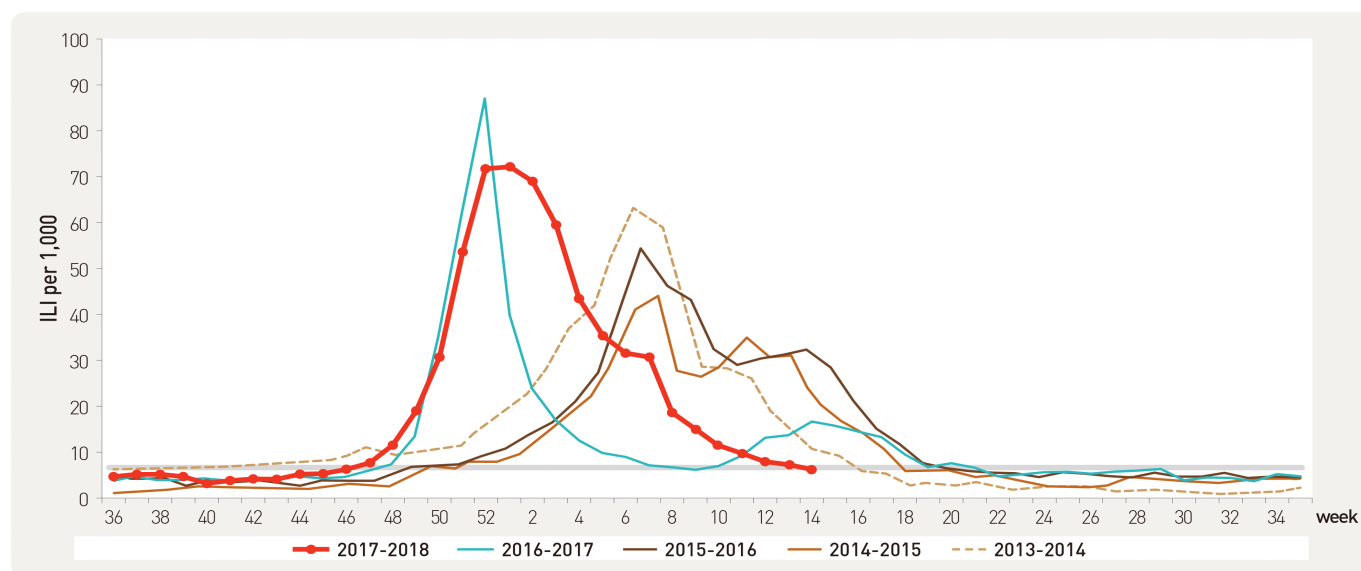


Figure 1. Weekly proportion of influenza-like illness per 1,000 outpatients, 2013-2014 to 2017-2018 flu seasons

### 2. Hand, Foot and Mouth Disease (HFMD), weeks ending April 7, 2018 (14th Week)

- Weekly proportion of hand, foot and mouth disease (HFMD) per 1,000 outpatients: 0.6 cases
- Variation: increase from 0.5 cases in 13<sup>th</sup> week
- Sentinel reporting sites: 95 hospitals/clinics

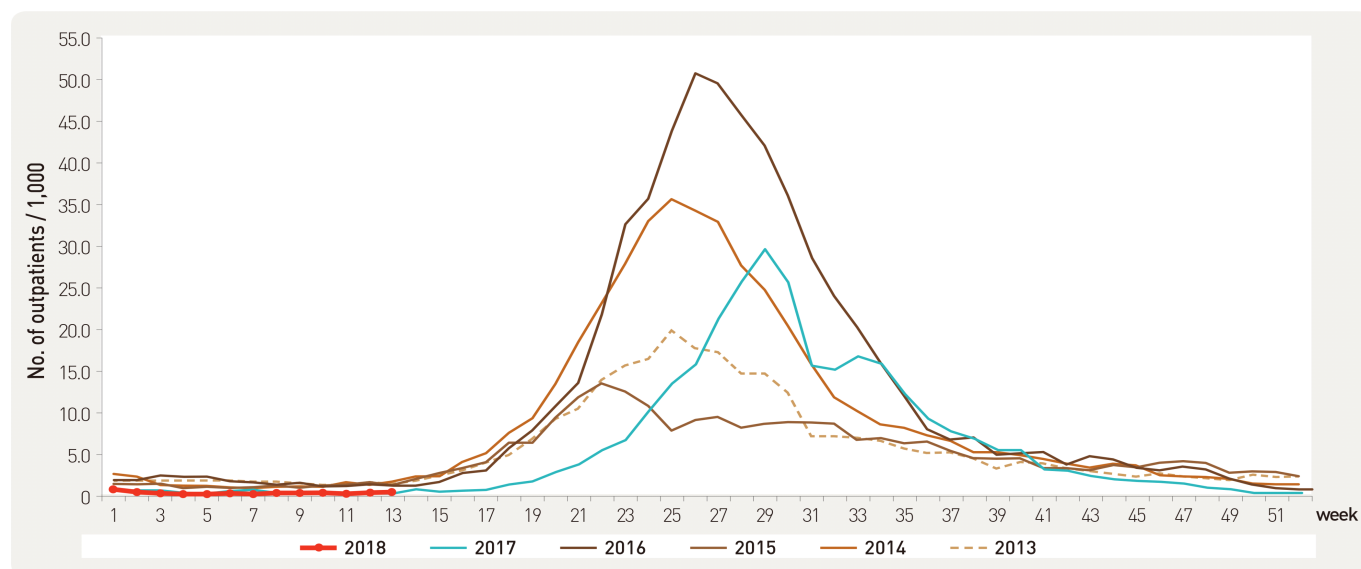


Figure 2. Weekly proportion of hand, foot and mouth per 1,000 outpatients, 2013-2017

### 3. Ophthalmologic infectious diseases, weeks ending April 7, 2018 (14th Week)

- Weekly proportion of epidemic keratoconjunctivitis per 1,000 outpatients: 15.1 cases
- Variation: increase from 12.7 cases in 13<sup>th</sup> week
- Sentinel reporting sites: 92 hospitals/clinics

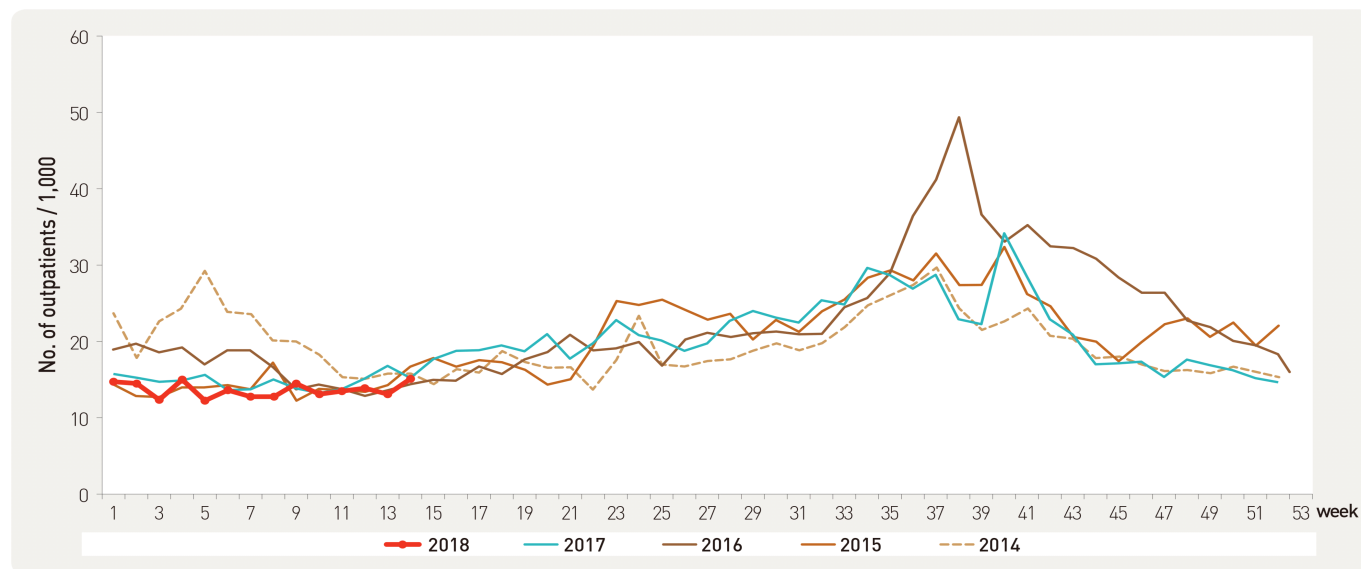


Figure 3. Weekly proportion of epidemic keratoconjunctivitis per 1,000 outpatients, 2014-2018

- Weekly proportion of acute hemorrhagic conjunctivitis per 1,000 outpatients: 0.6 cases
- Variation: decrease from 1.0 cases in 13<sup>th</sup> week
- Sentinel reporting sites: 92 hospitals/clinics

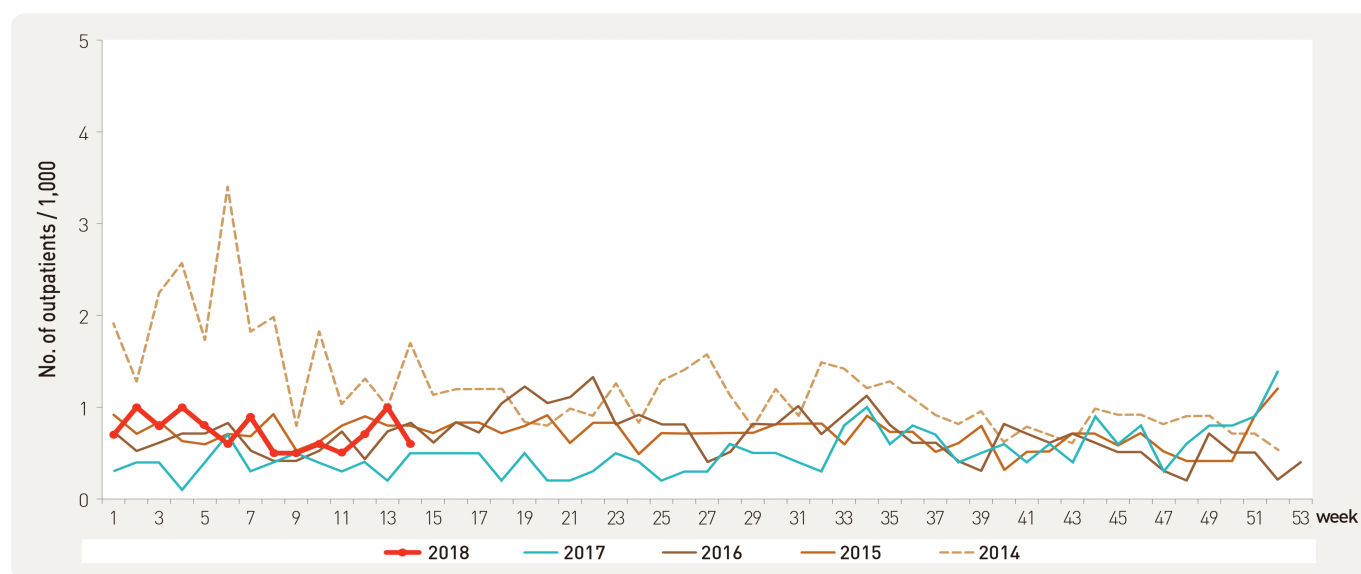


Figure 4. Weekly proportion of acute hemorrhagic conjunctivitis per 1,000 outpatients, 2014-2018

## 4. Sexually Transmitted Diseases<sup>†</sup>, weeks ending April 7, 2018 (14th Week)

- Cases per sentinel: 2.3 for genital herpes, 2.1 for chlamydia, 1.7 for condyloma acuminata, 1.4 for gonorrhea
- Variation from 13<sup>th</sup> week  
No change: gonorrhea (1.4 → 1.4)  
Decrease: chlamydia (2.2 → 2.1), genital herpes (2.9 → 2.3), condyloma acuminata (1.8 → 1.7)
- Sentinel reporting sites: 580 hospitals/clinics  
※ No. of reported sites in 14<sup>th</sup> week: 14 for gonorrhea, 34 for chlamydia, 34 for genital herpes, 23 for condyloma acuminata

Unit: no. of cases/sentinels

Gonorrhea			Chlamydia			Genital herpes			Condyloma acuminata		
Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>	Current week	Cum. 2018	Cum. 5-year average <sup>§</sup>
1.4	3.6	4.7	2.1	10.5	9.5	2.3	12.9	10.6	1.7	8.3	6.4

Cum: Cumulative counts from 1st week to current week in a year

<sup>†</sup> According to surveillance data, the reported cases may include all of the cases such as confirmed, suspected, and asymptomatic carrier in the group.

<sup>§</sup> 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 April 7, 2018 (14th Week)

- No. of reported outbreaks: 9 (cumulative no. of outbreaks: 140 with 1,847 patients)
- Variation: decrease from 20 in 13<sup>th</sup> week
- Reporting sites: 254 health centers

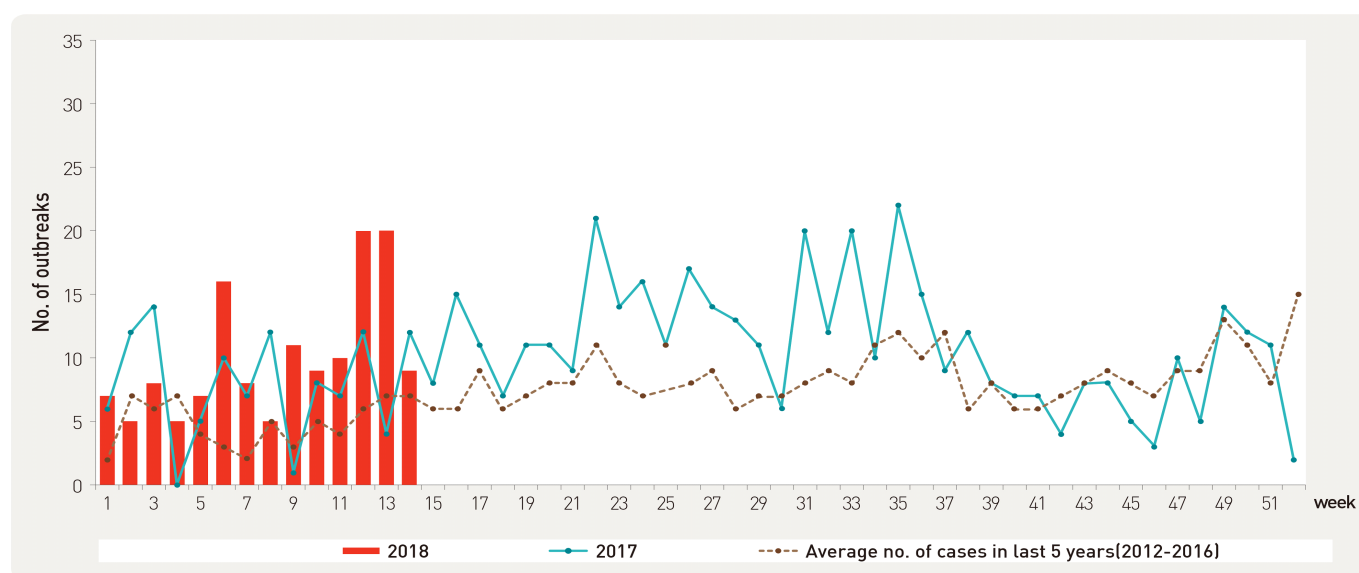


Figure 5. Number of waterborne and foodborne disease outbreaks reported by week, 2017-2018

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

### 1. Influenza viruses, Republic of Korea, weeks ending April 7, 2018 (14th Week)

- Weekly reported number of specimens positive for influenza: 13 cases (5.1%) / 256 specimens [influenza subtype: A(H1N1)pdm09 4 cases, A(H3N2) 5 cases, B 4 cases]
- Variation(%P): decrease from 20 cases (7.5%) / 268 specimens in 13<sup>th</sup> week
- Sentinel reporting sites: 52 hospitals/clinics

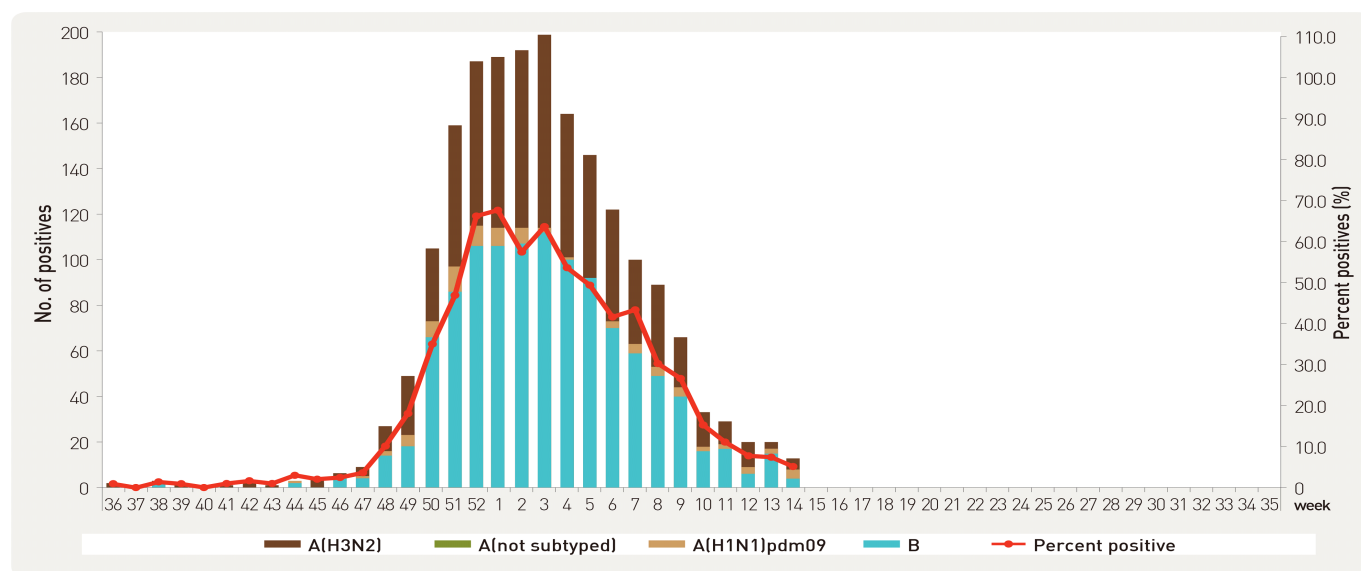


Figure 6. Number of specimens positive for influenza by subtype, 2016-2017 to 2017-2018 flu season

### 2. Respiratory viruses, weeks ending April 7, 2018 (14th Week)

- Detection rate: 72.3% (cumulative mean proportion during preceding three weeks plus current week: 62.7% out of 1,029 specimens)
- Variation(%P): increase from 61.9% in 13<sup>th</sup> week
- Sentinel reporting sites: 17 city/provincial health and environmental institutes and 52 hospitals/clinics

2018 (week)	Weekly total		Detection rate (%)							
	No. of samples	Detection rate (%)	HAdV	HPIV	HRSV	IFV	HCoV	HRV	HBoV	HMPV
11	249	54.2	4.4	2.4	4.0	11.6	6.4	17.3	0.4	7.6
12	256	62.1	2.0	3.1	5.9	7.8	10.2	23.0	0.0	10.2
13	268	61.9	3.7	5.2	1.5	7.5	3.7	30.6	0.0	9.7
14	256	72.3	5.1	7.0	1.2	5.1	5.5	29.3	0.0	19.1
Cum.*	1,029	62.7	3.8	4.5	3.1	8.0	6.4	25.2	0.1	11.7
2017 Cum.†	11,915	56.6	3.7	6.3	4.6	10.9	4.4	19.4	2.0	5.3

- 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 March 11, 2018. – April 7, 2018, (Average No. of detected cases is 257 in last 4 weeks)

† 2017 Cum. : the rate of detected cases between January 01, 2017. - December 30, 2017.

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

### 1. Acute gastroenteritis-causing virus, weeks ending March 31, 2018 (13th week)

- Detection rate: 46.6% [cumulative mean proportion in 2018: 322 cases (39.8%) out of 809 specimens]
- Variation(%P): increase from 20.4% in 12<sup>th</sup> 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	10	62	9	(14.5)	4	(6.5)	0	(0.0)	0	(0.0)	13	(21.0)
	11	58	13	(22.4)	6	(10.3)	1	(1.7)	0	(0.0)	20	(34.5)
	12	49	5	(10.2)	4	(8.2)	1	(2.0)	0	(0.0)	10	(20.4)
	13	58	13	(22.4)	13	(22.4)	1	(1.7)	0	(0.0)	27	(46.6)
Cum. 2018		809	138	(17.1)	160	(19.8)	16	(2.0)	8	(1.0)	322	(39.8)

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

### 2. Acute gastroenteritis-causing bacteria, weeks ending March 31, 2018 (13th week)

- Detection rate: 5.4% [cumulative mean proportion in 2018: 171 (7.5%) out of 2,284 specimens]
- Variation(%P): decrease from 5.6% in 12<sup>th</sup> 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, %)									
			<i>Salmonella</i> spp.	Pathogenic <i>E. coli</i>	<i>Shigella</i> spp.	<i>V. parahaemolyticus</i>	<i>V. cholerae</i>	<i>Campylobacter</i> spp.	<i>C. perfringens</i>	<i>S. aureus</i>	<i>B. cereus</i>	Total
2018	10	169	1 (0.6)	9 (5.3)	0 (0)	0 (0)	0 (0)	1 (0.6)	7 (4.1)	3 (1.8)	7 (4.1)	28 (16.6)
	11	153	0 (0)	2 (1.3)	0 (0)	0 (0)	0 (0)	0 (0)	1 (0.7)	6 (3.9)	0 (0)	9 (5.9)
	12	161	2 (1.2)	1 (0.6)	0 (0)	0 (0)	0 (0)	0 (0)	1 (0.6)	3 (1.9)	2 (1.2)	9 (5.6)
	13	186	1 (0.5)	4 (2.2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (1.6)	2 (1.1)	10 (5.4)
Cum. 2018		2,284	30 (1.3)	40 (1.8)	2 (0.1)	0 (0)	0 (0)	10 (0.4)	36 (1.6)	32 (1.4)	20 (0.9)	171 (7.5)

\* 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 March 31, 2018 (13th week)

- Detection rate: 0.0% (0 case / 25 specimens) [cumulative mean proportion in 2018: 3.8% (9 cases / 235 specimens)]
  - Aseptic meningitis: 0 case (Cum. 2018: 2 cases)
  - HFMD and herpangina: 0 case (Cum. 2018: 2 cases)
  - HFMD with complications: 0 case (Cum. 2018: 0 case)
  - Other: 0 case (Cum. 2018: 5 cases)
- Variation(%P): decrease from 6.3% in 12<sup>th</sup> week of 2018
- Sentinel reporting sites: 8 city/provincial health and environmental institutes and 63 hospitals/clinics

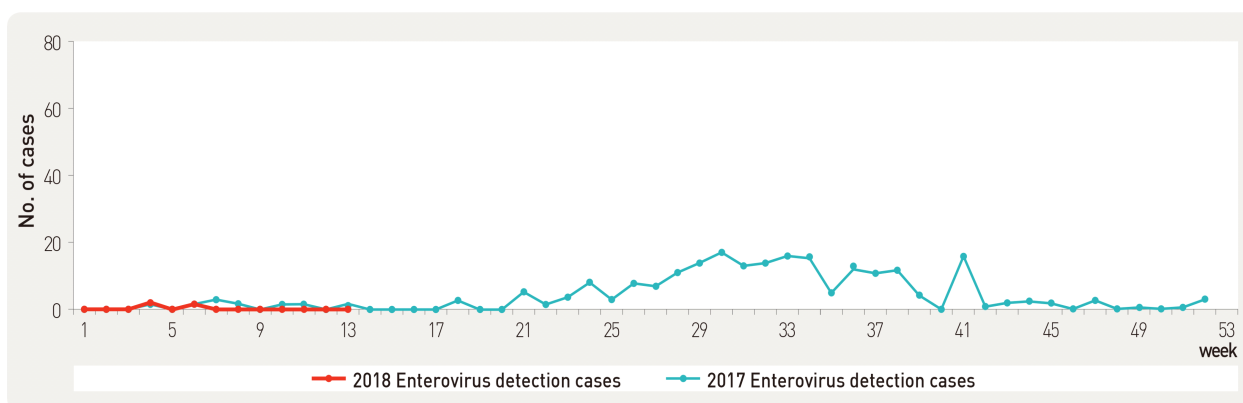


Figure 7. Detection of enterovirus in aseptic meningitis patients from 2017 to 2018

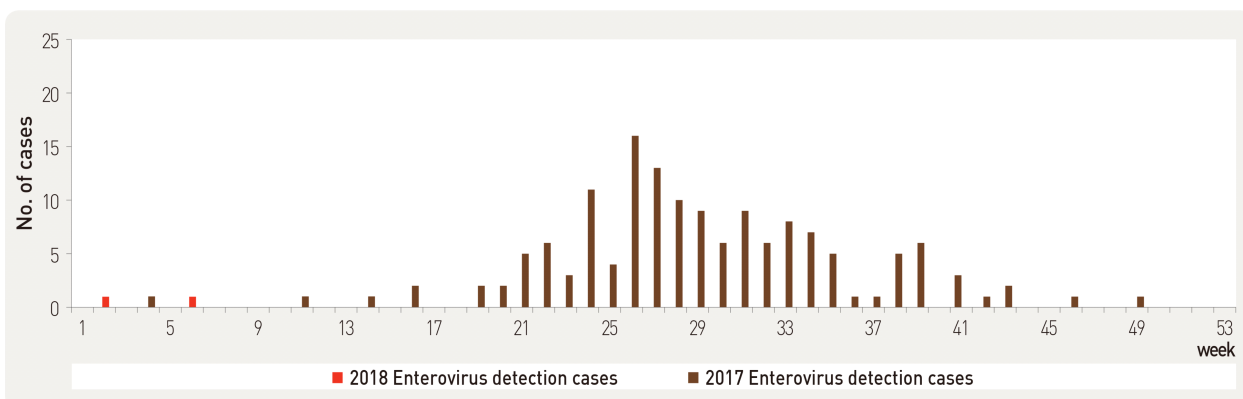


Figure 8. Detection of enterovirus in HFMD and herpangina patients from 2017 to 2018

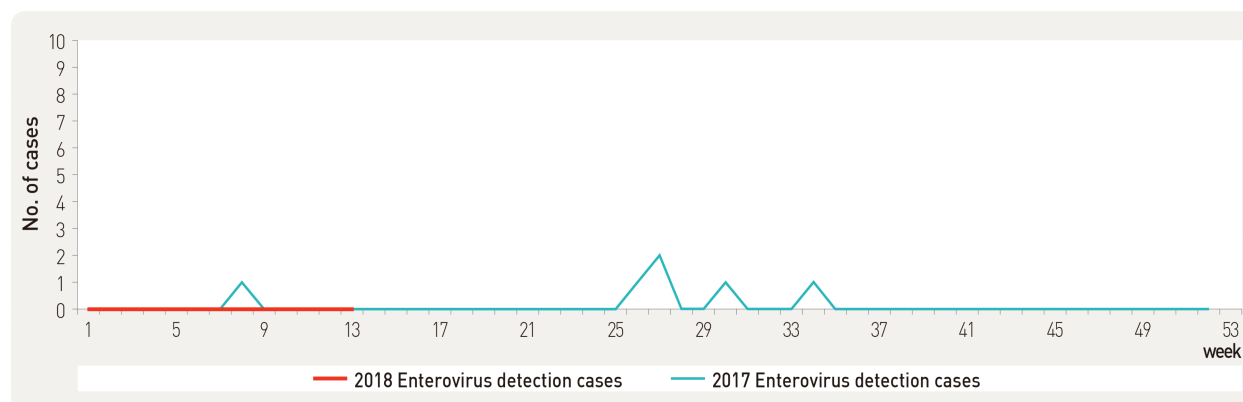


Figure 9. Detection of enterovirus in HFMD with complications patients from 2017 to 2018



## 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**

$$= (X1 + X2 + \dots + X25) / 25$$

- **Cum. 5-year average** – Mean value calculated by cumulative counts from 1<sup>st</sup> 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

Questions or comments about the PHWR Disease Surveillance Statistics can be sent to [kcdc215@korea.kr](mailto:kcdc215@korea.kr) or to the following:

### Mail:

Division of Medical Science Knowledge Management  
Korea Centers for Disease Control and Prevention  
202 Osongsaengmyeong 2-ro, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Korea, 28160