

7 February 2019 / Number 5

Surveillance System in Tokyo, Japan

The infectious diseases which all physicians must report

All physicians must report to health centers the incidence of the diseases which are shown at page one. Health centers electronically report the individual cases to Tokyo Metropolitan Infectious Disease Surveillance Center.

The infectious diseases required to be reported by the sentinels

The numbers of patients who visit the sentinel clinics or hospitals during a week are reported to health centers in Tokyo. And they electronically report the numbers to Tokyo Metropolitan Infectious Disease Surveillance Center. We have about 500 sentinel clinics and hospitals in Tokyo.

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Number of patients with the diseases which all physicians must report

Category	Diseases	Tokyo					Japan	
		2nd	3rd	4th	5th	Cum 2019	5th	Cum 2019
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	54	65	49	43	221	296	1,482
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis	2				2	1	7
	Enterohemorrhagic Escherichia coli infection	5	1	4	4	14	11	85
	Typhoid fever			1		1	1	3
	Paratyphoid fever						2	2
IV	Hepatitis E	4		2	3	9	11	34
	West Nile fever							
	Hepatitis A	3		1	1	6	4	60
	Echinococcosis							1
	Yellow fever							
	Psittacosis							2
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis						1	1
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome							1
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							
	Scrub typhus(Tsutsugamushi disease)						5	35
	Dengue fever	5	5	1	2	14	5	32
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever						1	1
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
Botulism								
Malaria		1			2		4	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	3	4	2	7	19	27	130	
Leptospirosis								
Rocky mountain spotted fever								

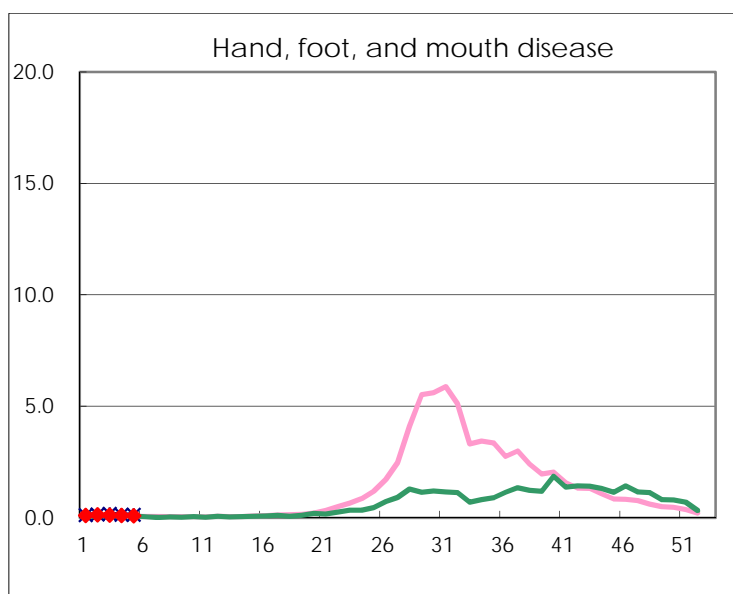
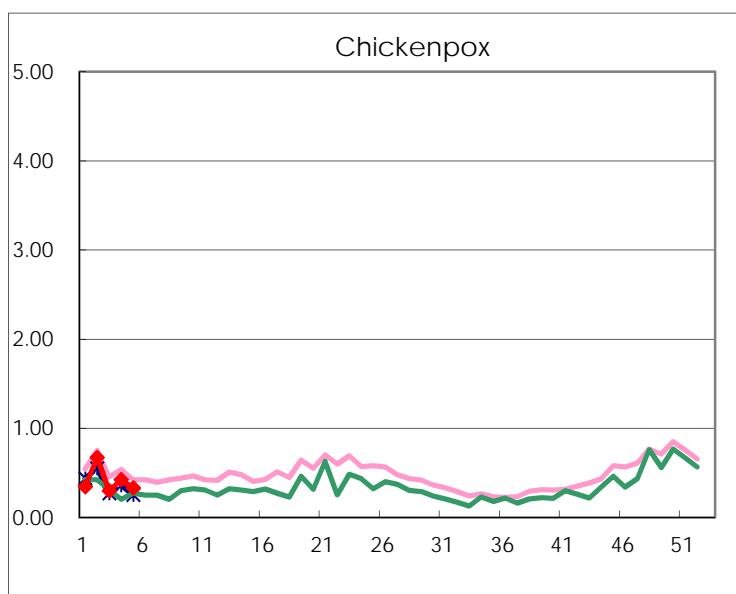
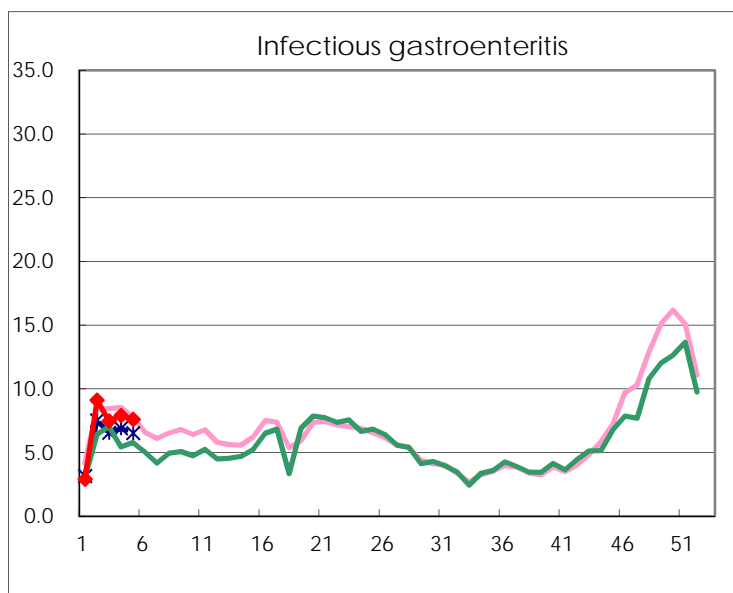
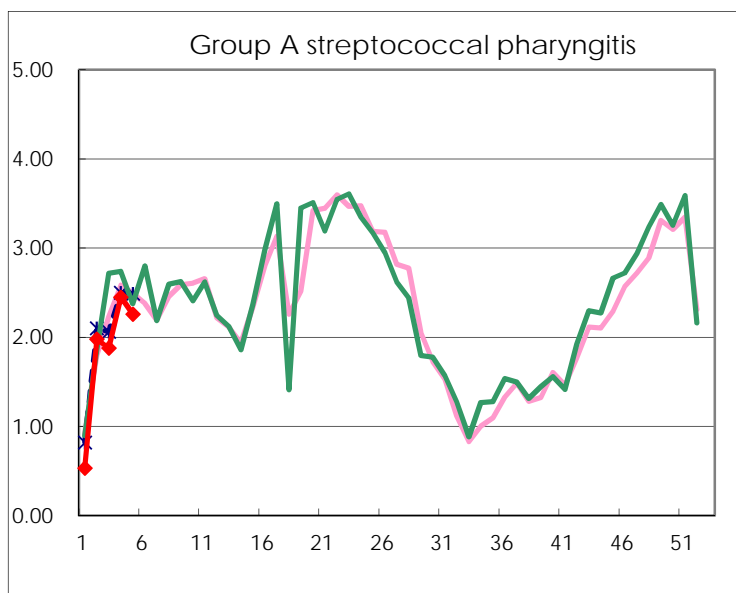
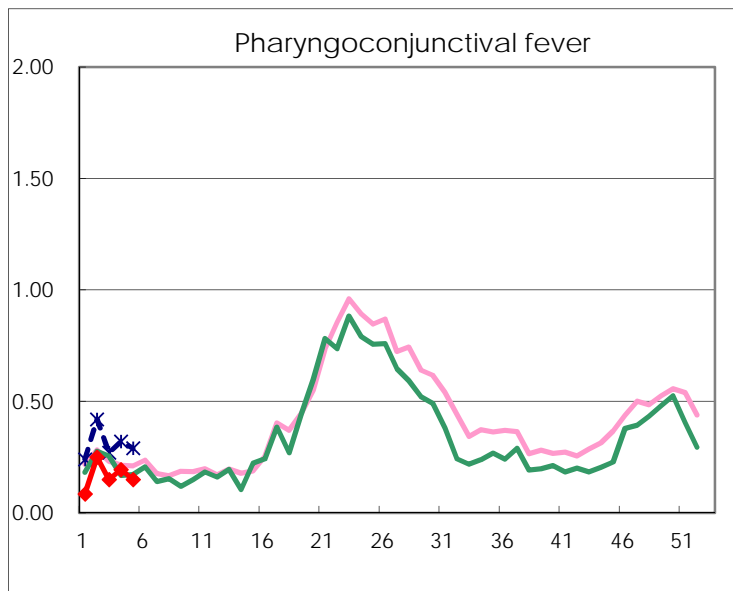
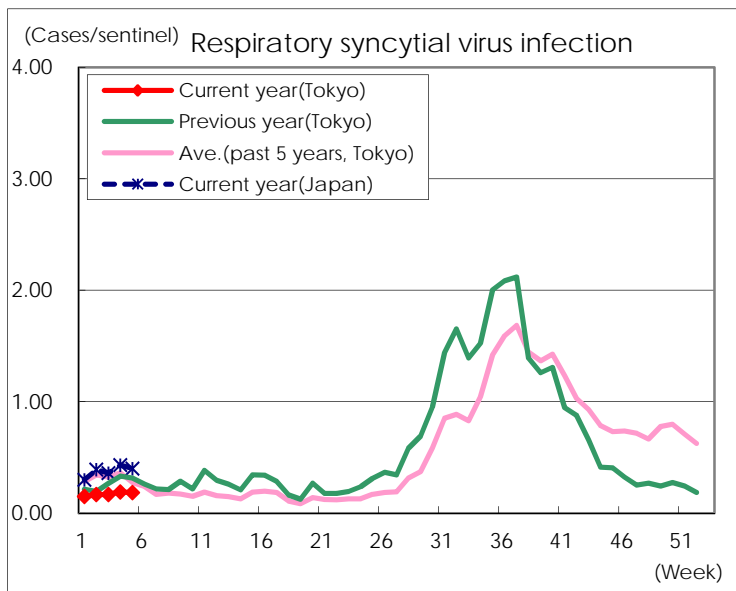
Category	Diseases	Tokyo					Japan	
		2nd	3rd	4th	5th	Cum 2019	5th	Cum 2019
V	Amebiasis	4	3	3	4	14	7	59
	Viral hepatitis(excluding hepatitis A and E)	1	2		2	5	6	31
	CRE infection	4	6	2	4	20	26	173
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)						1	5
	Acute encephalitis(excluding JE and WNE)	5	6	6	5	22	23	174
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease	1			2	3	2	10
	Severe invasive streptococcal infections(TSLs)	4	3	2	1	11	15	97
	Acquired immunodeficiency syndrome (AIDS)	5	5	10	11	32	15	78
	Giardiasis		1			1		1
	Invasive <i>Haemophilus influenzae</i> disease	7	2	3	3	16	11	84
	Invasive meningococcal disease							8
	Invasive pneumococcal disease	19	12	11	15	63	60	418
	Varicella (limited to hospitalized case)		1	3		4	4	38
	Congenital rubella syndrome							1
	Syphilis	39	31	34	32	145	63	457
	Disseminated cryptococcosis		1		1	2	5	13
	Tetanus							3
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						4	8
	Pertussis	42	56	51	66	224	236	1,359
Rubella	35	14	23	23	107	67	367	
Measles	3	1	3	1	11	29	148	
MDRA infection	1			1	2	2	3	

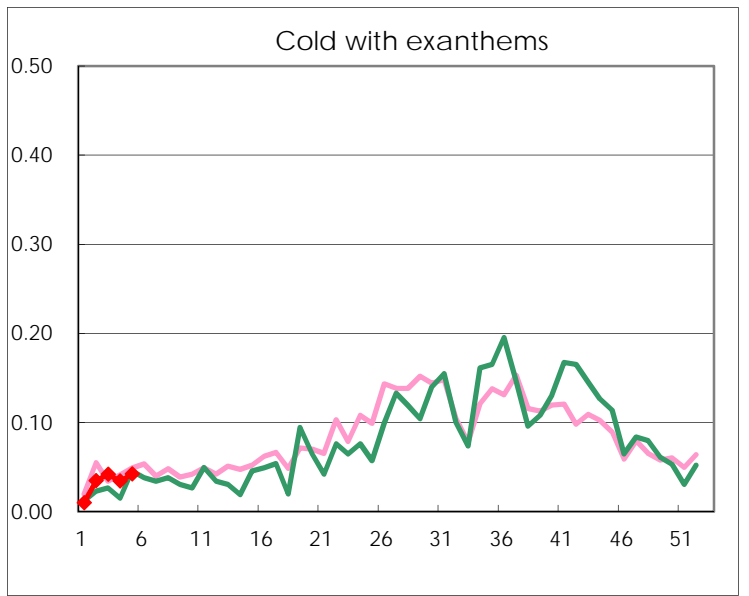
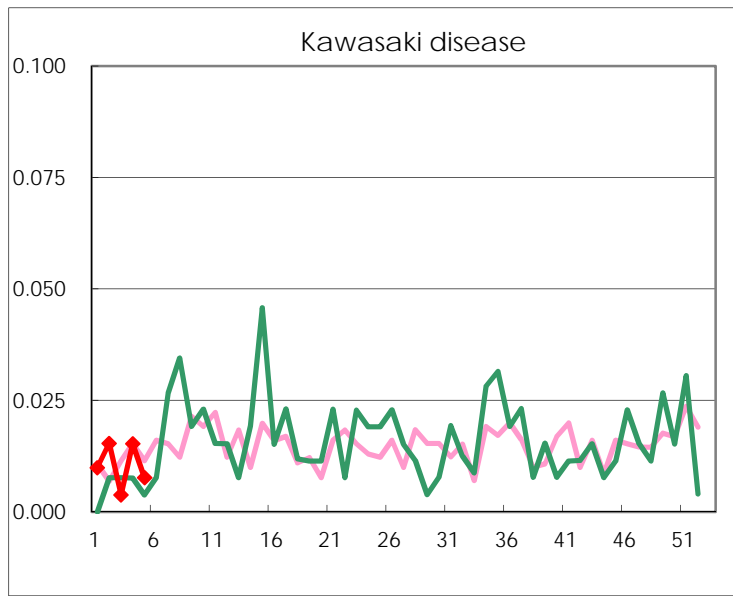
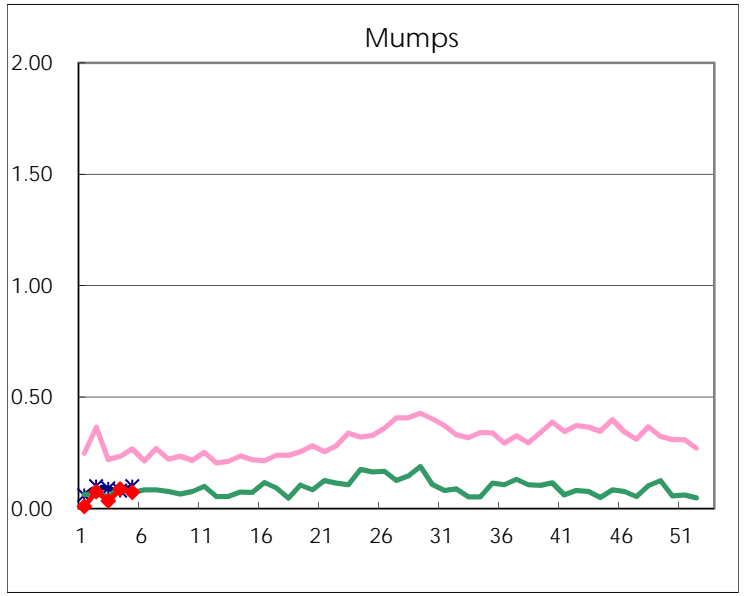
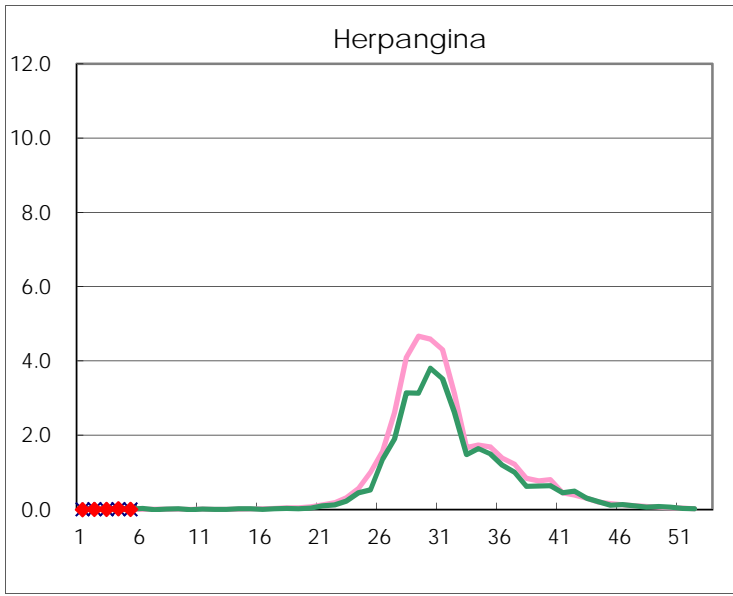
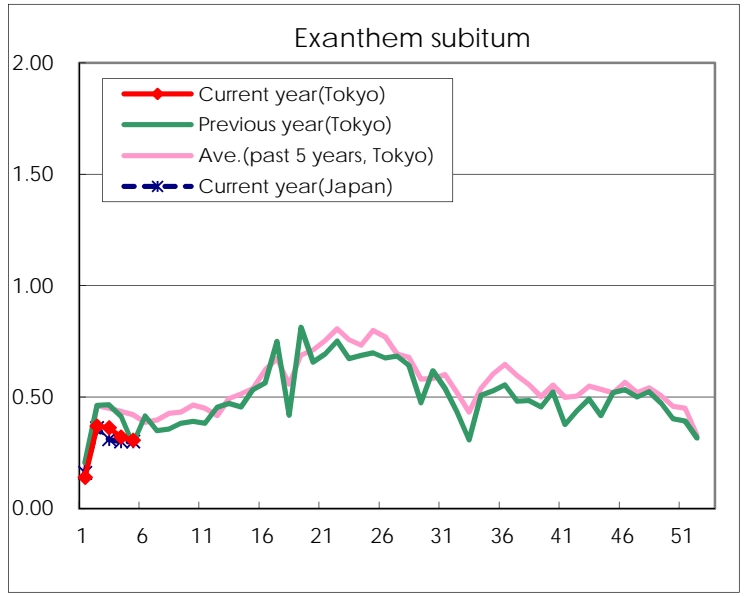
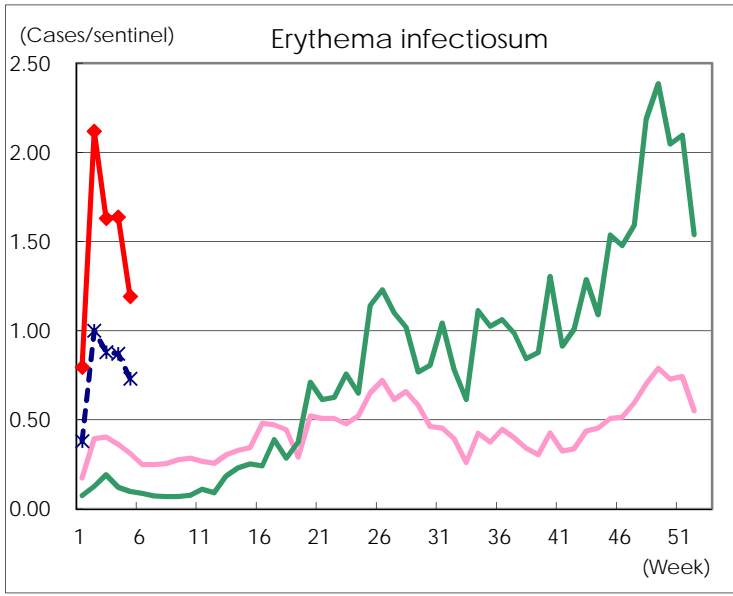
Number of patients with the diseases to be reported
by the designated clinics and hospitals

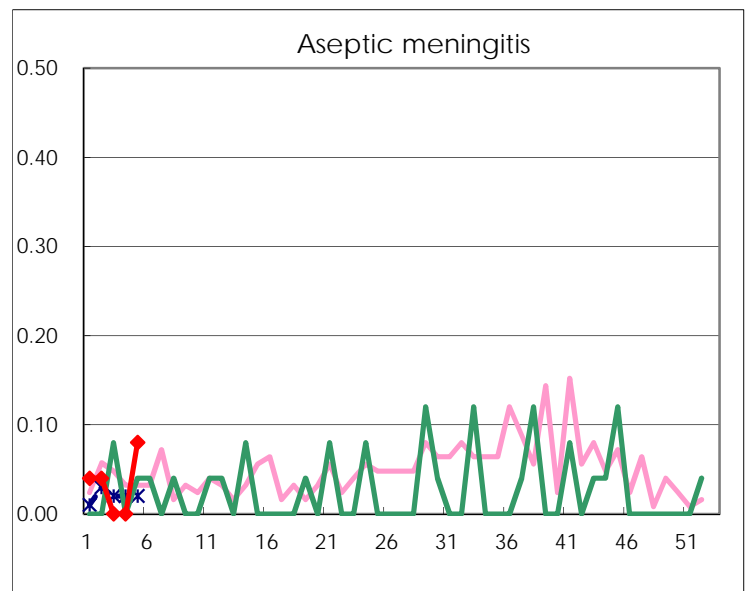
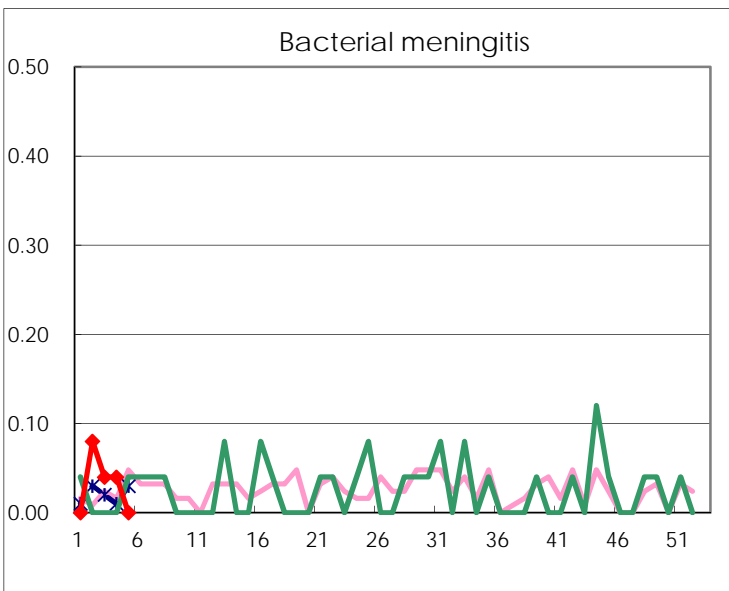
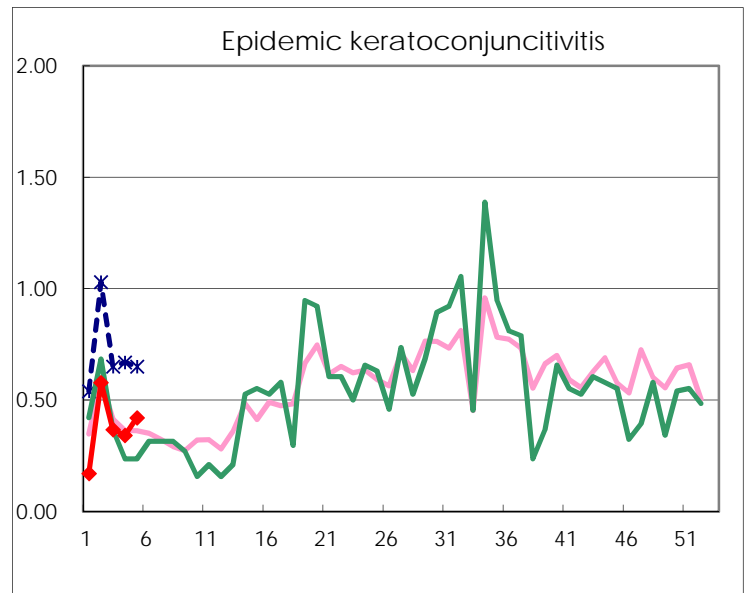
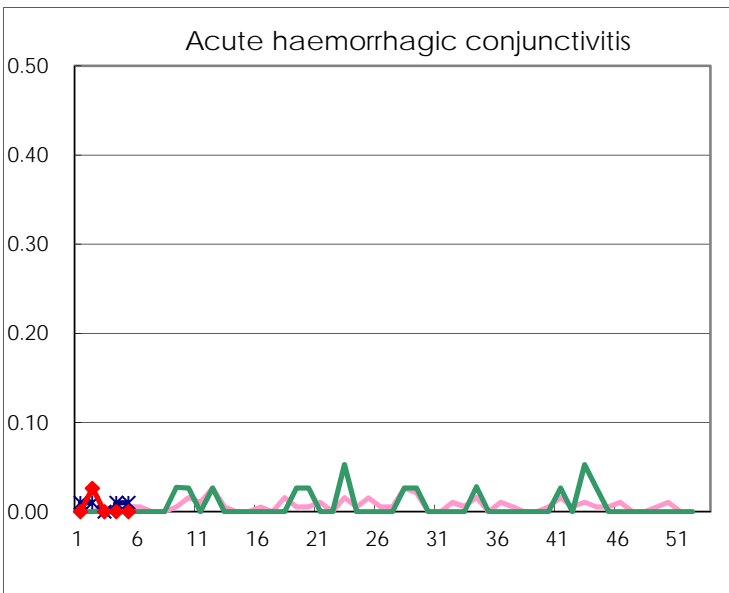
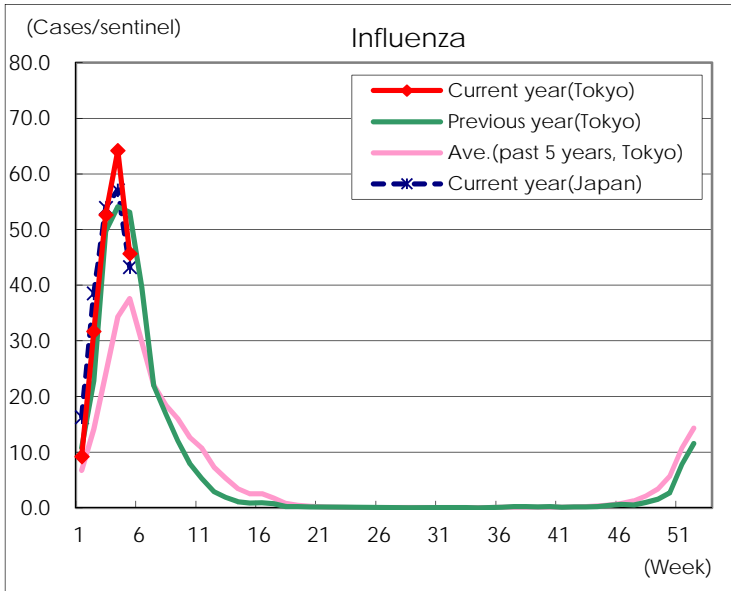
Diseases	Tokyo				
	2nd	3rd	4th	5th	/sentinel
Respiratory syncytial virus infection	43	44	50	48	0.18
Pharyngoconjunctival fever	65	39	51	39	0.15
Group A streptococcal pharyngitis	514	492	642	590	2.26
Infectious gastroenteritis	2,365	1,958	2,067	1,981	7.59
Chickenpox	175	78	111	86	0.33
Hand, foot, and mouth disease	32	30	28	24	0.09
Erythema infectiosum	551	427	429	311	1.19
Exanthem subitum	96	95	84	80	0.31
Herpangina	3	3	6	2	0.01
Mumps	20	9	23	19	0.07
Kawasaki disease	4	1	4	2	0.01
Cold with exanthems	9	11	9	11	0.04
Influenza	13,064	21,850	26,635	18,862	45.67
Acute hemorrhagic conjunctivitis	1				
Epidemic keratoconjunctivitis	22	14	13	16	0.42
Bacterial meningitis	2	1	1		
Aseptic meningitis	1			2	0.08
<i>Mycoplasma pneumoniae</i>	4	5	1	3	0.12
Chlamydial pneumonia (excluding psittacosis)				1	0.04
Infectious gastroenteritis (only by Rotavirus)	2	2	6	3	0.12
Influenza-Associated Hospitalizations	162	185	216	210	8.40

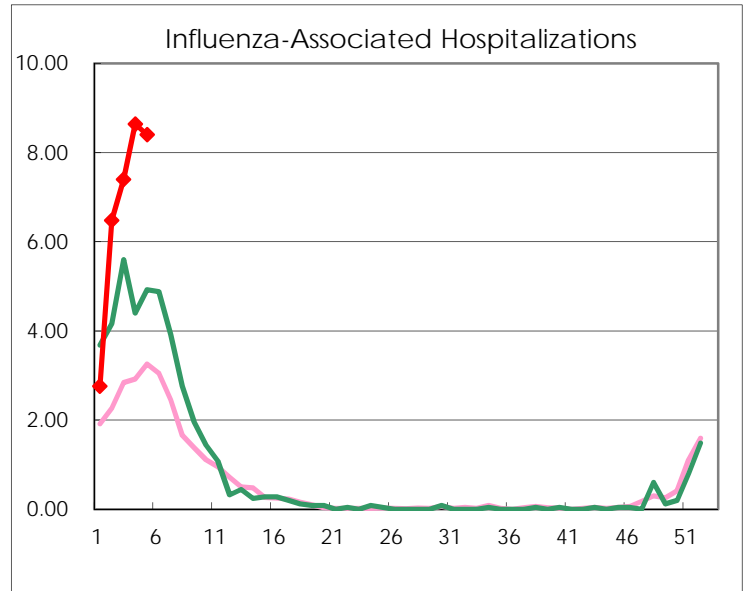
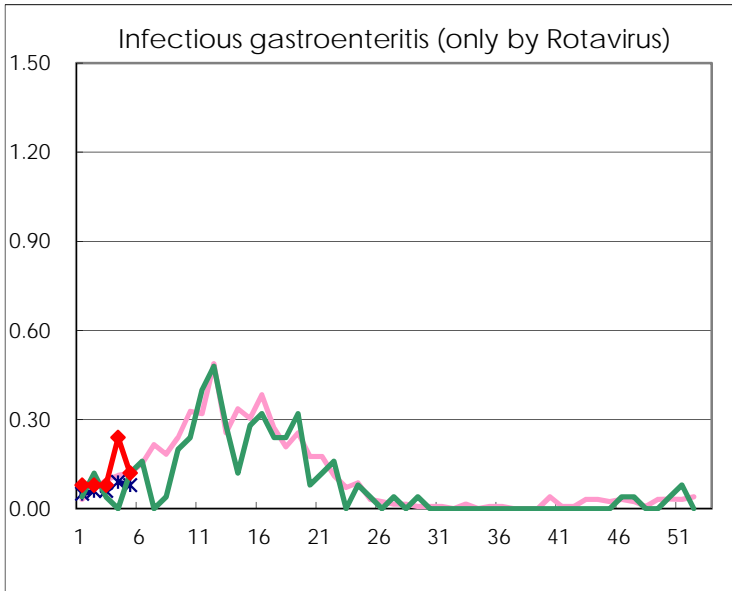
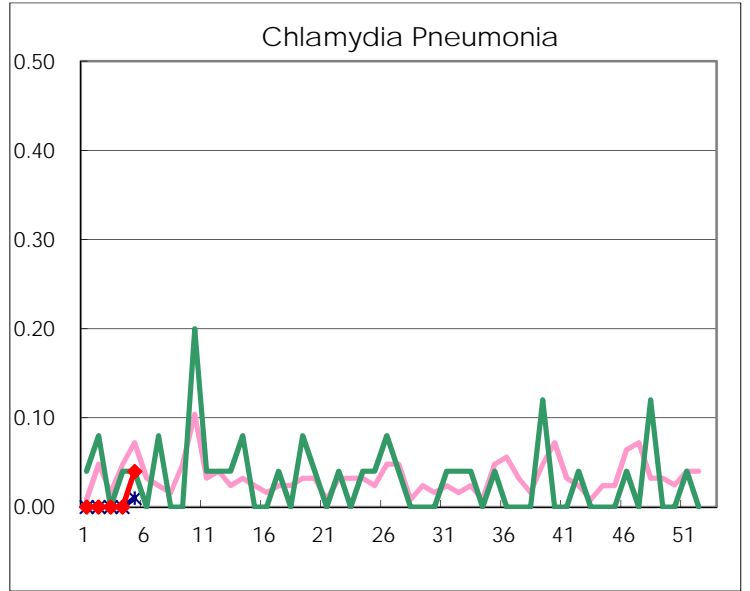
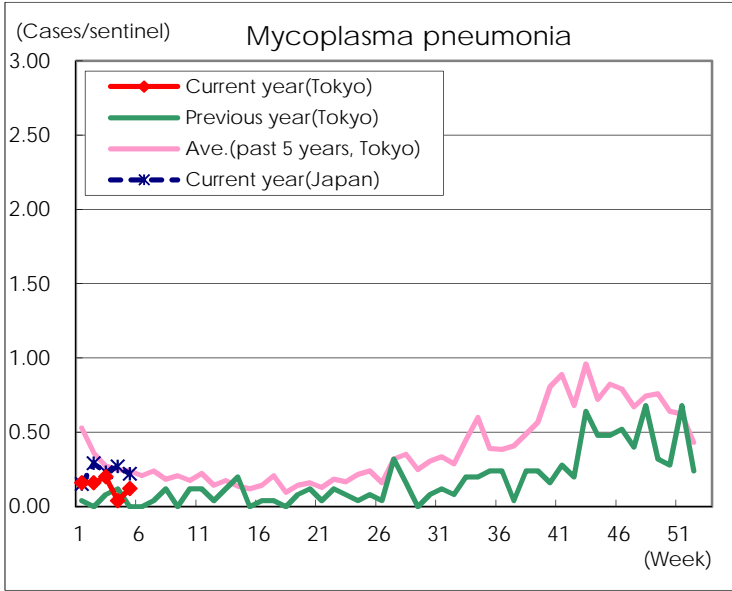
(Blank means 0.)

Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	261
Influenza	419	413
Ophthalmic	39	38
Specially-designated	25	25