

10 January 2019 / Number 1

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	
		50th	51st	52nd	1st	Cum 2019	1st	Cum 2019
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	62	48	77	10	10	73	73
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis	9	2				1	1
	Enterohemorrhagic Escherichia coli infection	5		4			8	8
	Typhoid fever						1	1
	Paratyphoid fever	1						
IV	Hepatitis E	2	1	1			1	1
	West Nile fever							
	Hepatitis A	4	3		1	1	6	6
	Echinococcosis							
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome							
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							
	Scrub typhus(Tsutsugamushi disease)	1		3			8	8
	Dengue fever	1			1	1	3	3
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
Malaria		1		1	1	2	2	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	1	6	4	3	3	20	20	
Leptospirosis								
Rocky mountain spotted fever								

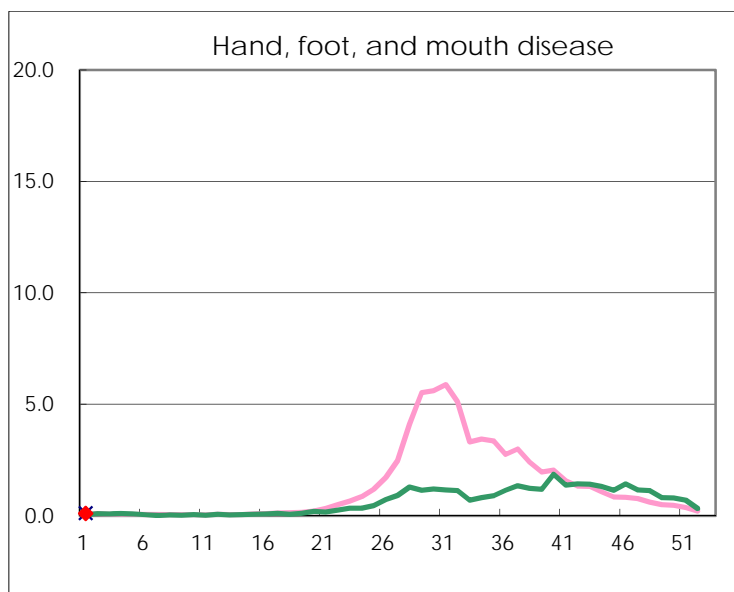
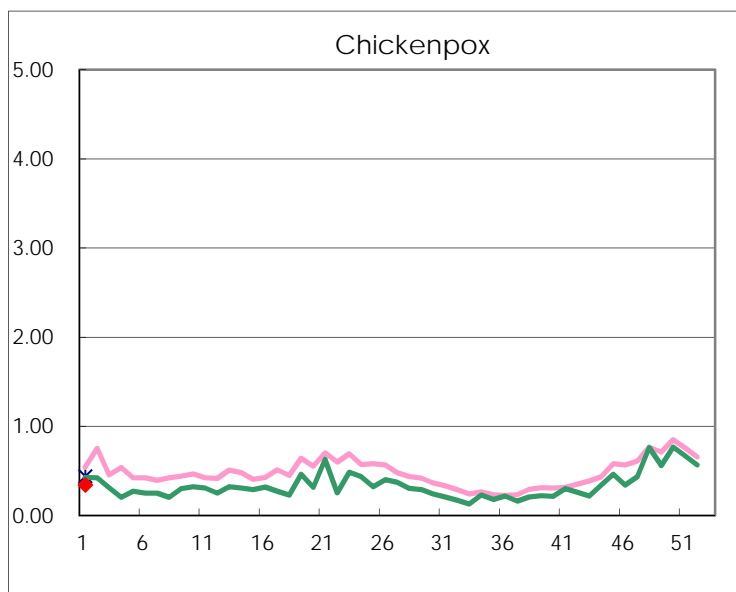
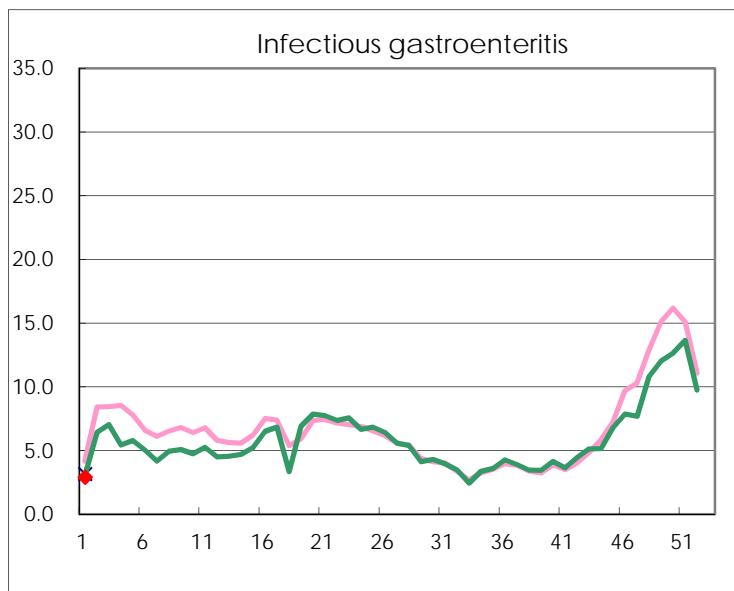
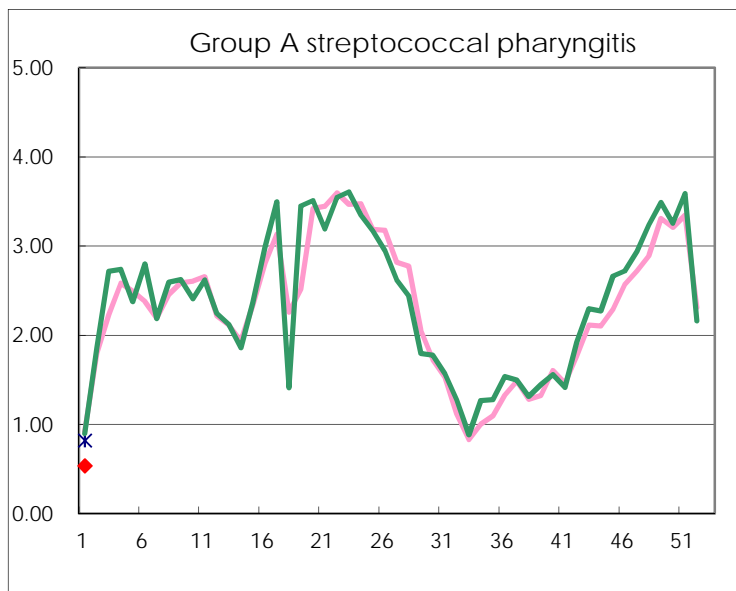
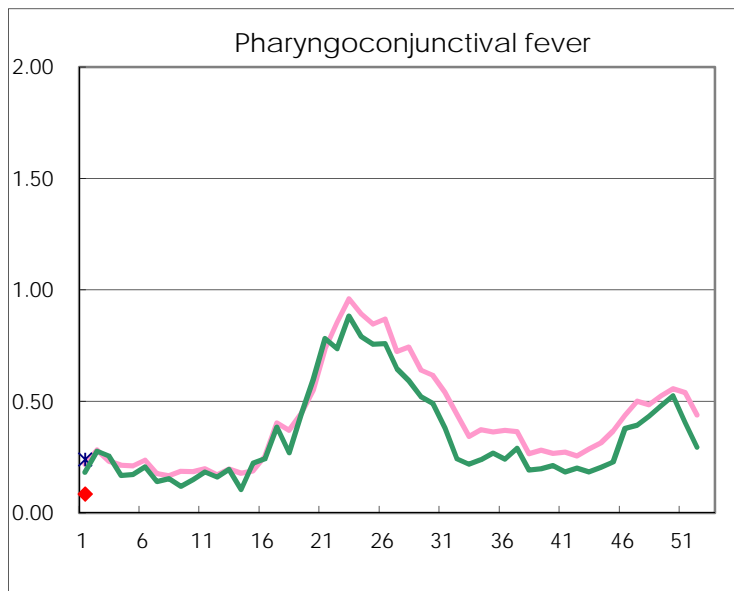
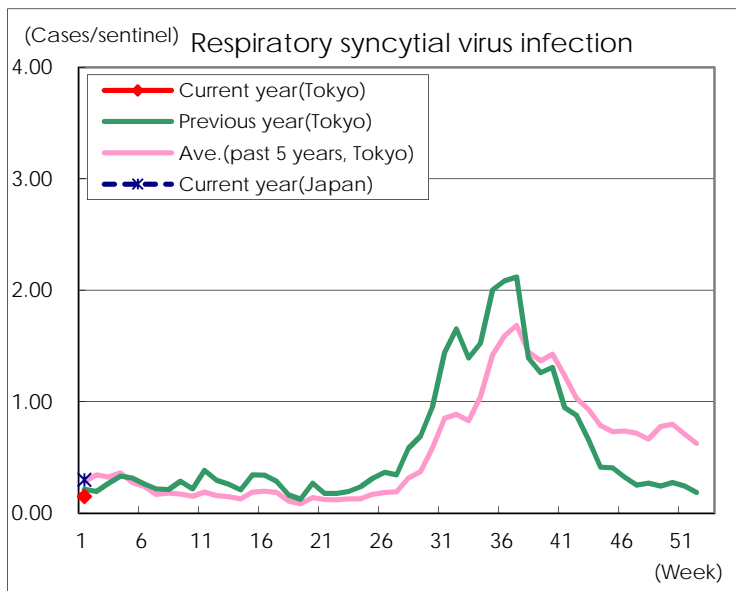
Category	Diseases	Tokyo					Japan	
		50th	51st	52nd	1st	Cum 2019	1st	Cum 2019
V	Amebiasis	3	8				3	3
	Viral hepatitis(excluding hepatitis A and E)	3		1			1	1
	CRE infection	5	8	6	3	3	7	7
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)	1						
	Acute encephalitis(excluding JE and WNE)	1		3			9	9
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease							
	Severe invasive streptococcal infections(TSLs)	1	1	1	1	1	6	6
	Acquired immunodeficiency syndrome (AIDS)	8	12	11			1	1
	Giardiasis							
	Invasive <i>Haemophilus influenzae</i> disease		2		1	1	4	4
	Invasive meningococcal disease						2	2
	Invasive pneumococcal disease	7	8	13	6	6	45	45
	Varicella (limited to hospitalized case)	2	1	3			5	5
	Congenital rubella syndrome							
	Syphilis	39	30	32	9	9	6	6
	Disseminated cryptococcosis						2	2
	Tetanus							
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection		1					
	Pertussis	67	79	72	9	9	61	61
Rubella	33	26	22	10	10	45	45	
Measles		1	1	3	3	8	8	
MDRA infection								

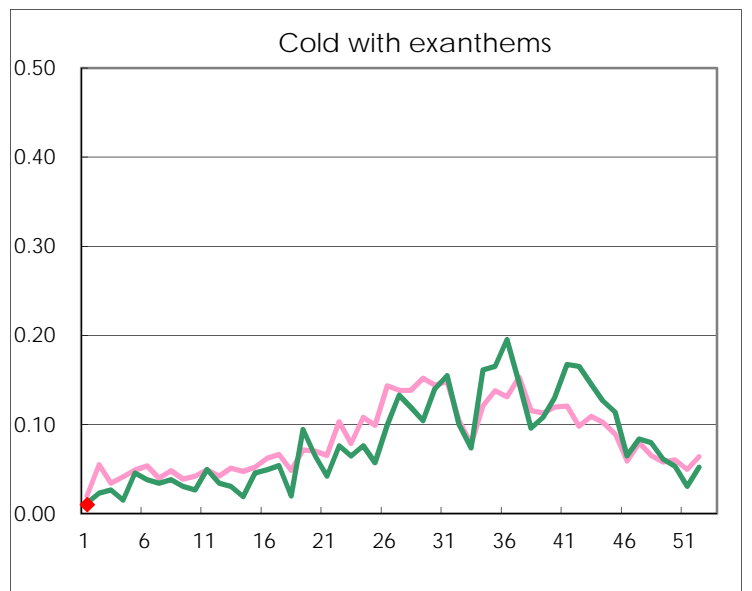
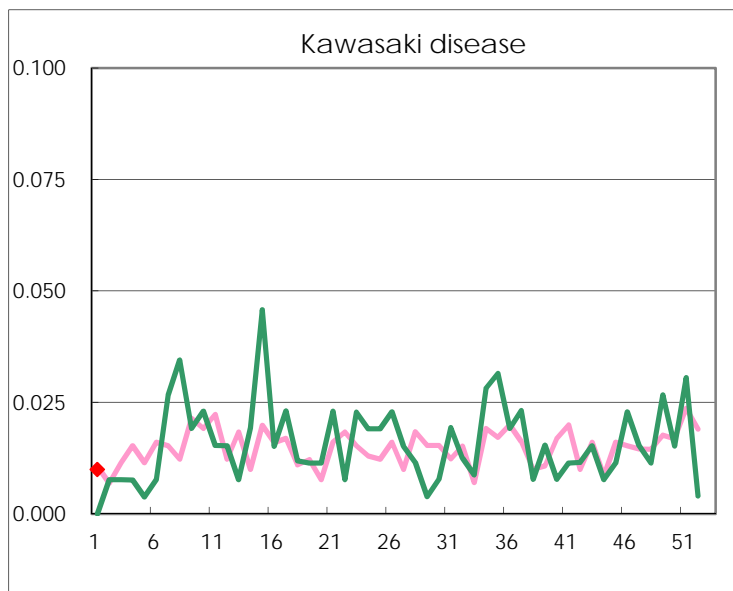
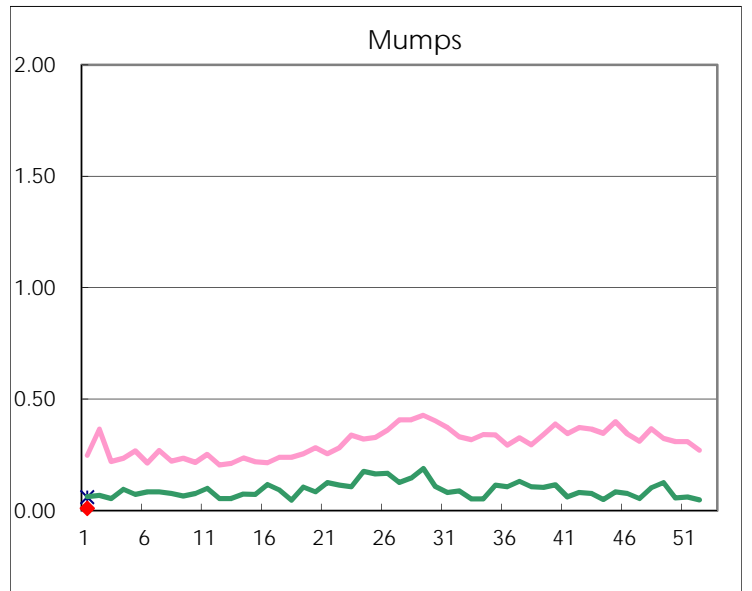
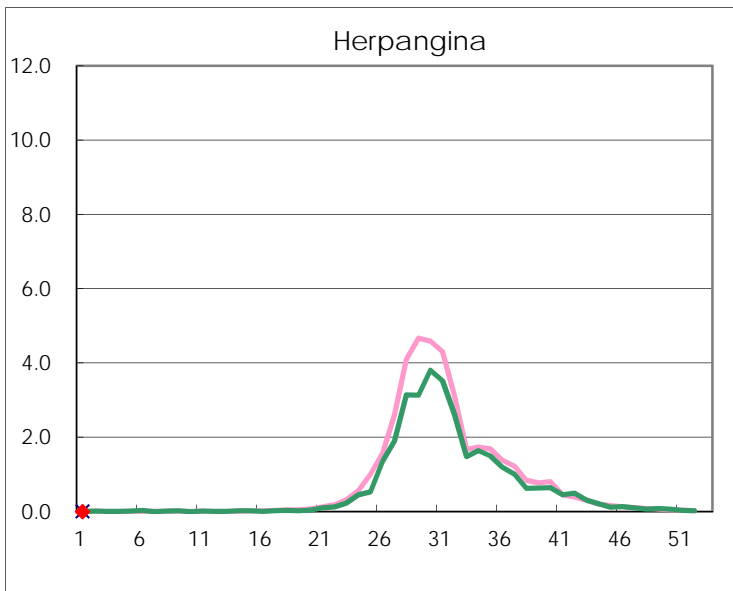
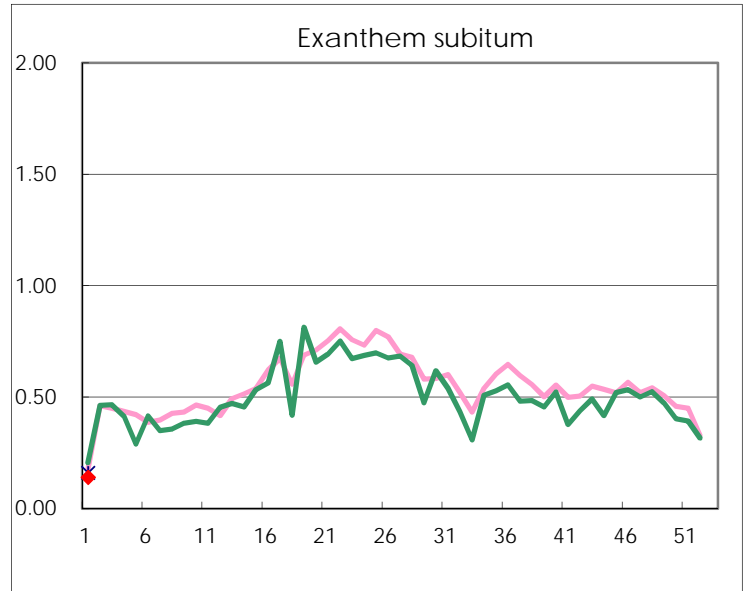
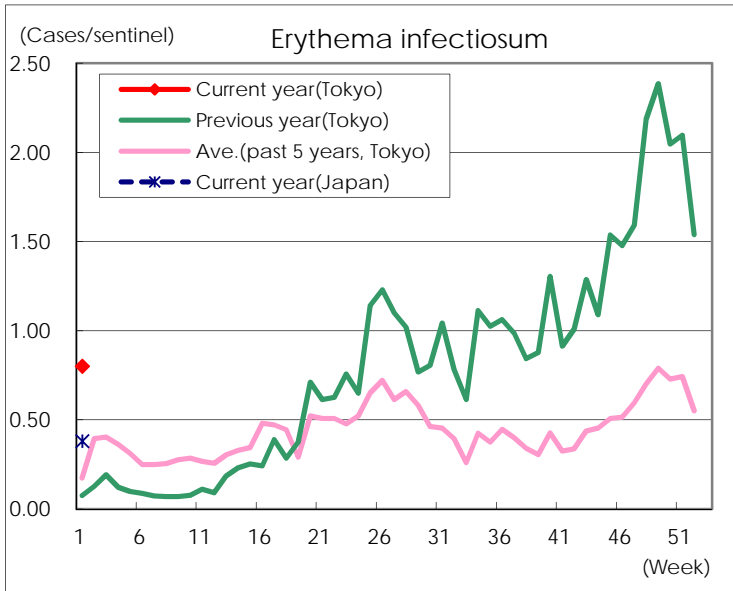
Number of patients with the diseases to be reported
by the designated clinics and hospitals

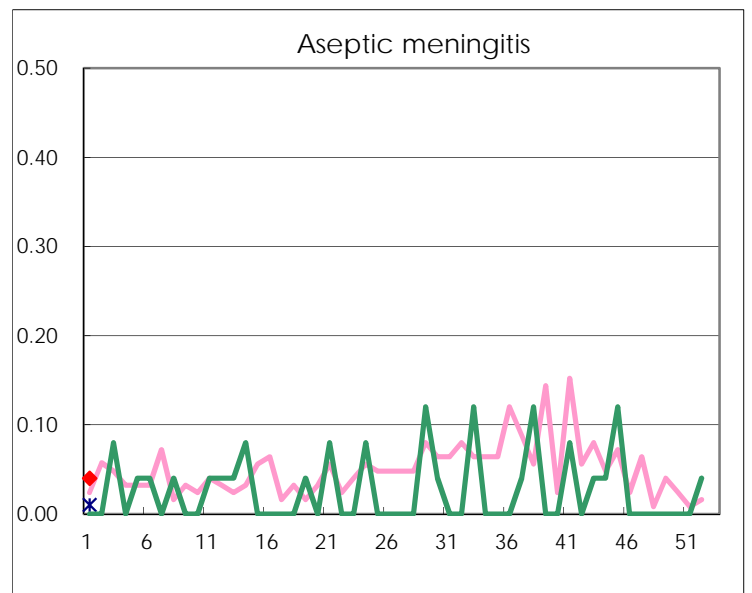
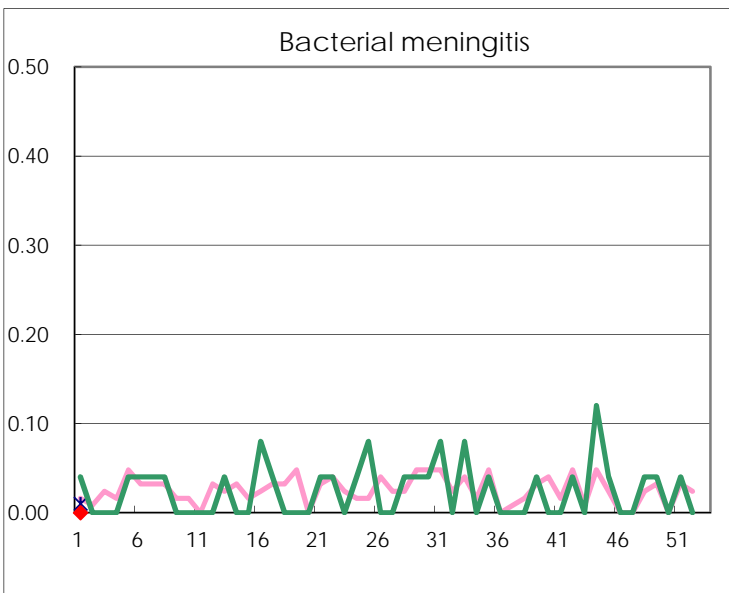
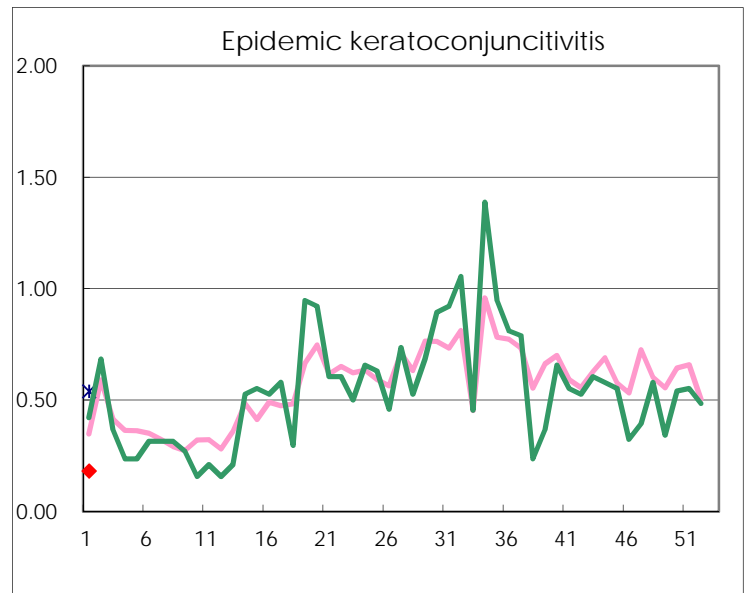
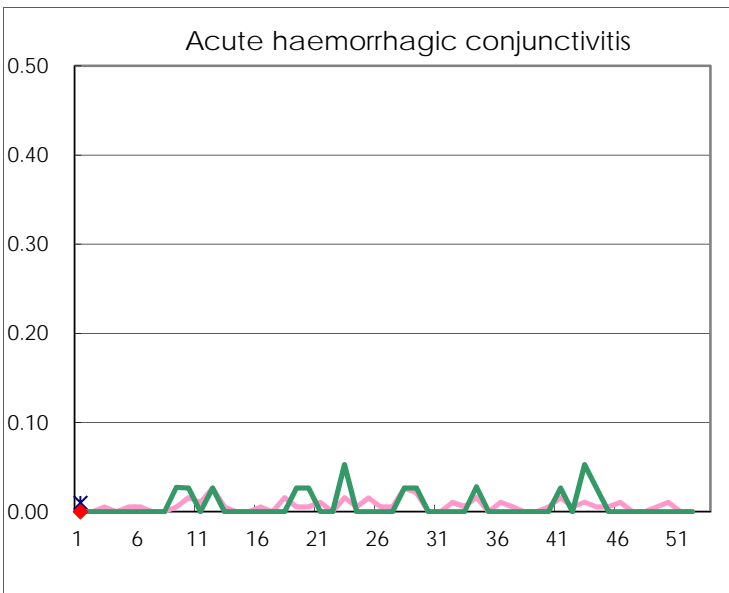
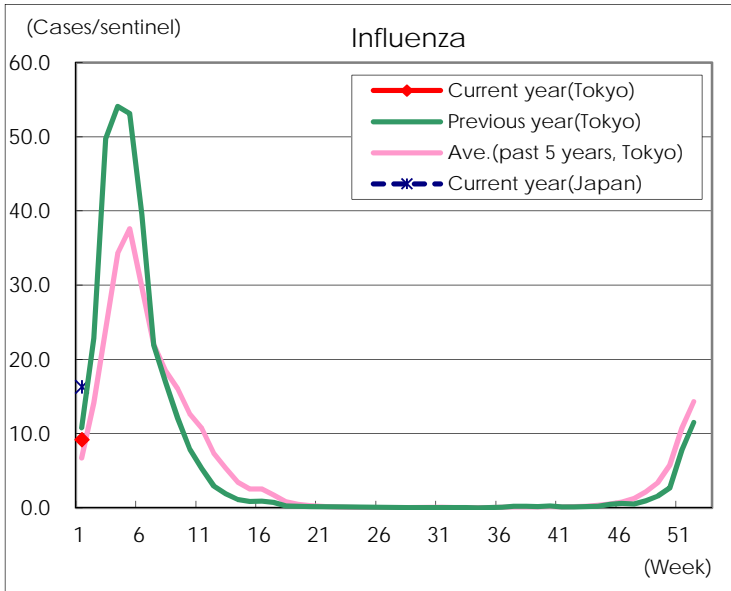
Diseases	Tokyo				
	50th	51st	52nd	1st	/sentinel
Respiratory syncytial virus infection	72	64	46	30	0.15
Pharyngoconjunctival fever	138	106	73	17	0.09
Group A streptococcal pharyngitis	856	940	538	107	0.54
Infectious gastroenteritis	3,319	3,573	2,428	580	2.90
Chickenpox	202	175	141	68	0.34
Hand, foot, and mouth disease	209	181	82	21	0.11
Erythema infectiosum	538	549	383	160	0.80
Exanthem subitum	106	103	79	28	0.14
Herpangina	18	8	5		
Mumps	15	16	12	2	0.01
Kawasaki disease	4	8	1	2	0.01
Cold with exanthems	14	8	13	2	0.01
Influenza	1,117	3,233	4,530	3,145	9.20
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	20	21	16	6	0.18
Bacterial meningitis		1			
Aseptic meningitis			1	1	0.04
<i>Mycoplasma pneumoniae</i>	7	17	6	4	0.16
Chlamydial pneumonia (excluding psittacosis)		1			
Infectious gastroenteritis (only by Rotavirus)	1	2		2	0.08
Influenza-Associated Hospitalizations	5	20	37	62	2.48

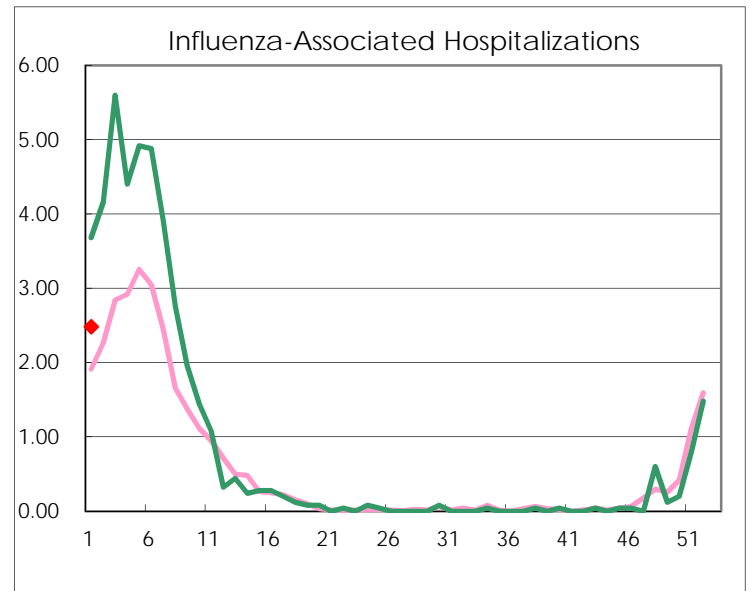
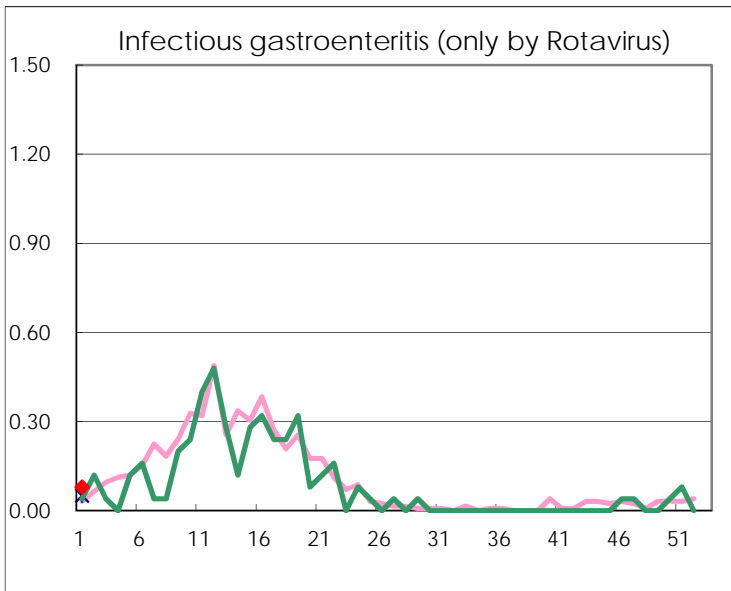
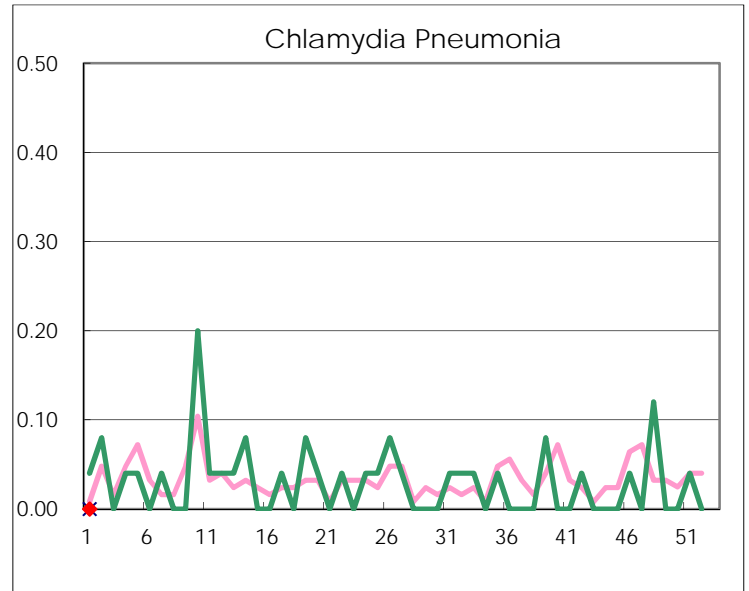
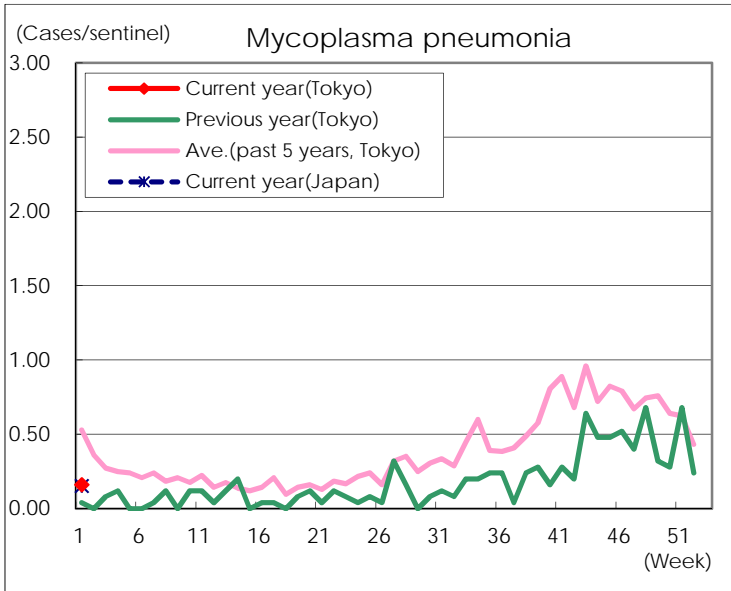
(Blank means 0.)

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	200
Influenza	419	342
Ophthalmic	39	33
Specially-designated	25	25