

15 February 2018 / Number 6

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		
		3rd	4th	5th	6th	Cum 2018	6th	Cum 2018
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	61	69	68	47	306	295	2,036
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							2
	Shigellosis	2		2	2	7	5	19
	Enterohemorrhagic Escherichia coli infection			1	1	5	9	58
	Typhoid fever		1		1	2	2	9
	Paratyphoid fever				1	1	1	2
IV	Hepatitis E	3	1	1		5	6	29
	West Nile fever							
	Hepatitis A	3	2	1	8	17	11	37
	Echinococcosis							
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							1
	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			2	3	1	33
	Dengue fever	2	1		1	7	4	11
	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					1		1	
Malaria							4	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	1	2	3	3	10	22	125	
Leptospirosis								
Rocky mountain spotted fever								

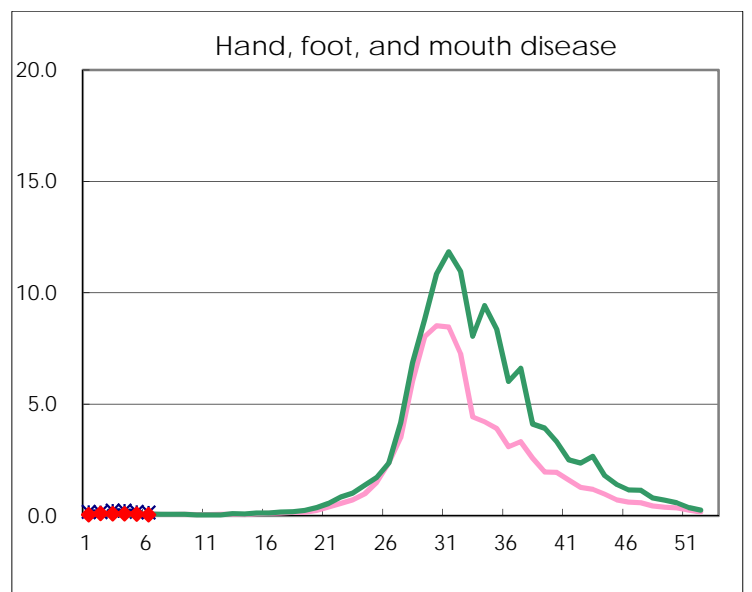
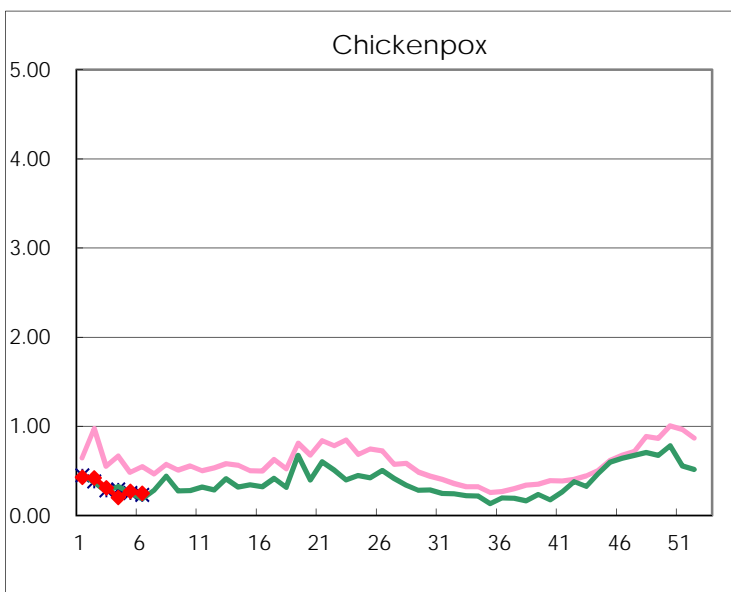
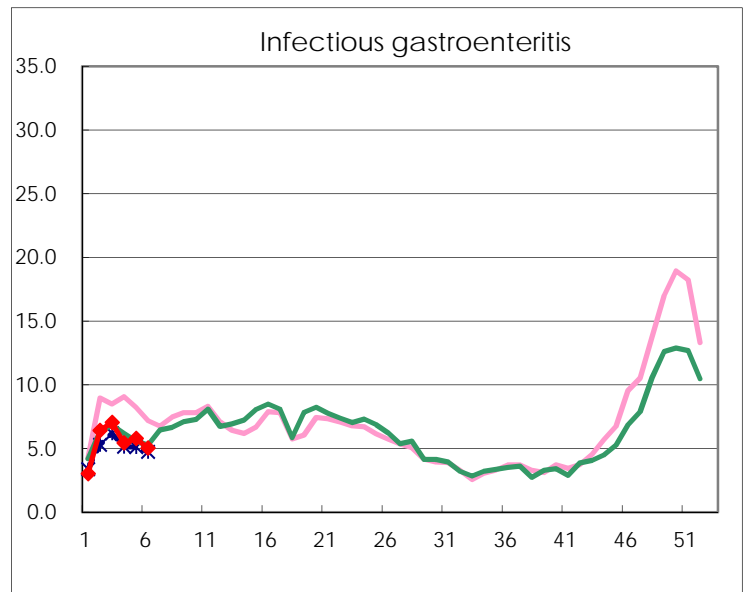
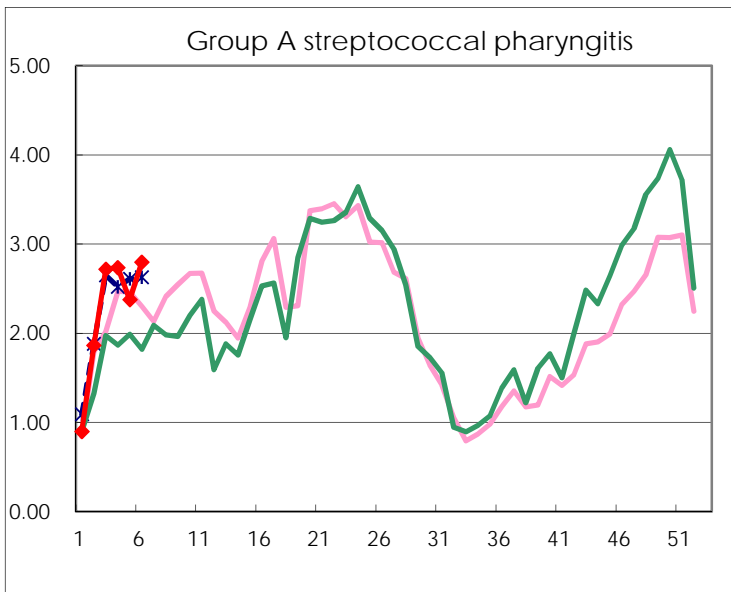
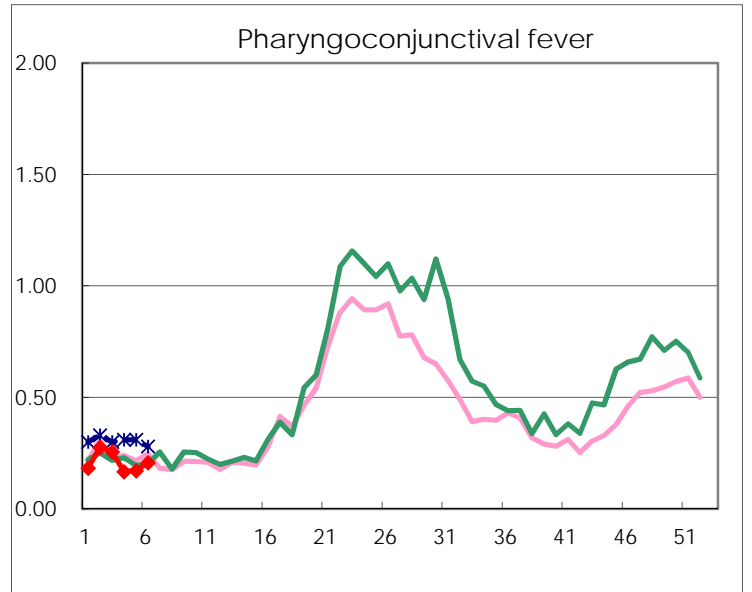
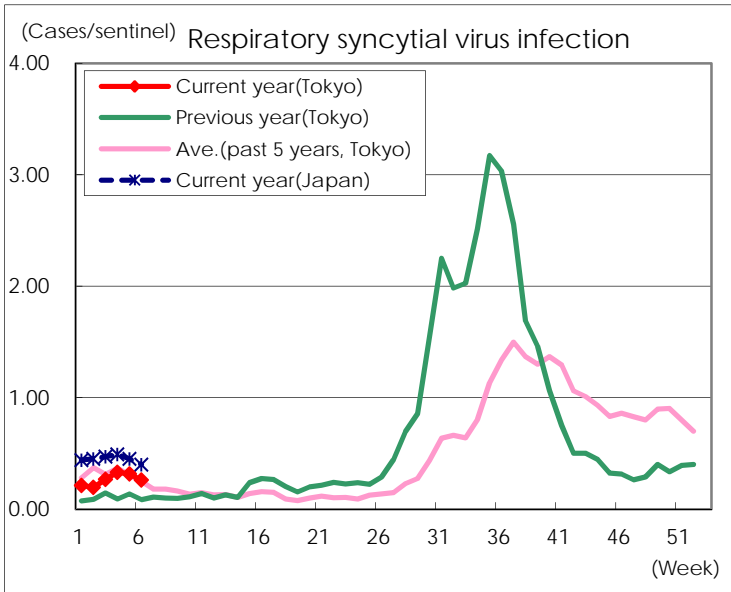
Category	Diseases	Tokyo				Cum 2018	Japan	
		3rd	4th	5th	6th		6th	Cum 2018
V	Amebiasis	3	2	4		13	13	74
	Viral hepatitis(excluding hepatitis A and E)		1		2	3	6	23
	CRE infection	6	2		2	14	14	164
	Acute encephalitis(excluding JE and WNE)	3	3	5	1	18	6	159
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease	1			1	3	1	21
	Severe invasive streptococcal infections(TSLS)	3	1	3	5	17	9	108
	Acquired immunodeficiency syndrome (AIDS)	6	10	8	13	40	22	120
	Giardiasis		2			3	1	9
	Invasive <i>Haemophilus influenzae</i> disease		1		1	3	5	58
	Invasive meningococcal disease	1				1		5
	Invasive pneumococcal disease	15	15	9	14	76	57	537
	Varicella (limited to hospitalized case)			2	1	4	2	37
	Congenital rubella syndrome							
	Syphilis	40	35	37	26	170	59	564
	Disseminated cryptococcosis		1		2	4		14
	Tetanus						2	4
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							2
	Pertussis	5	13	8	9	38	48	292
Rubella							2	
Measles						1	3	
MDRA infection						1	3	

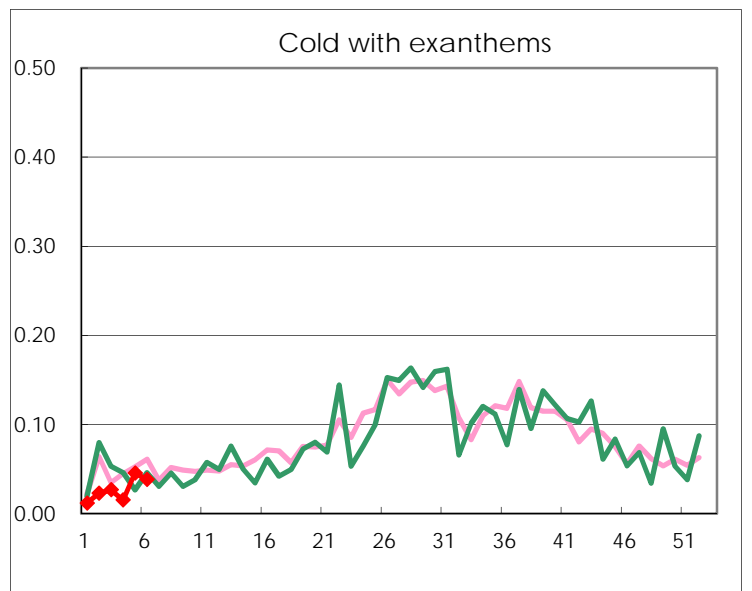
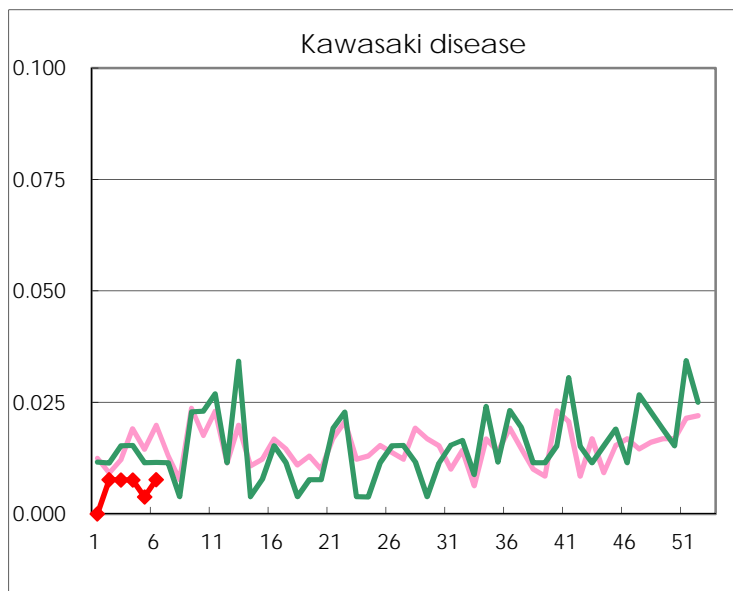
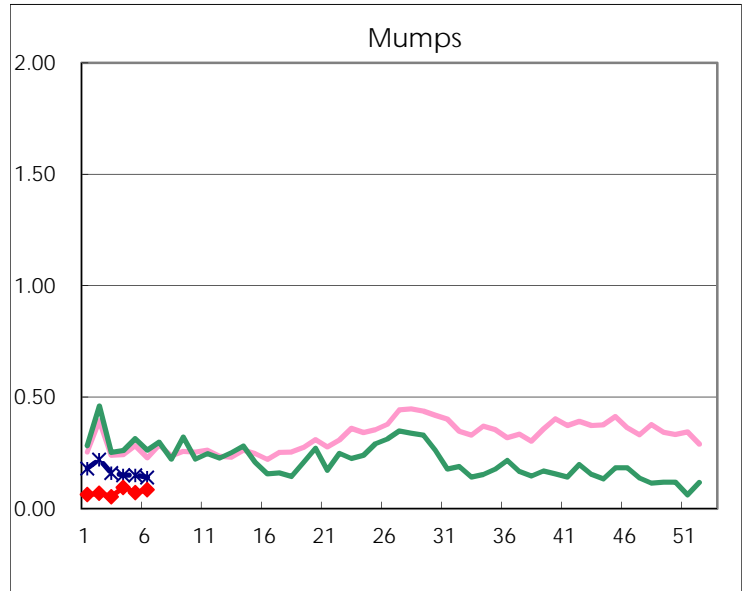
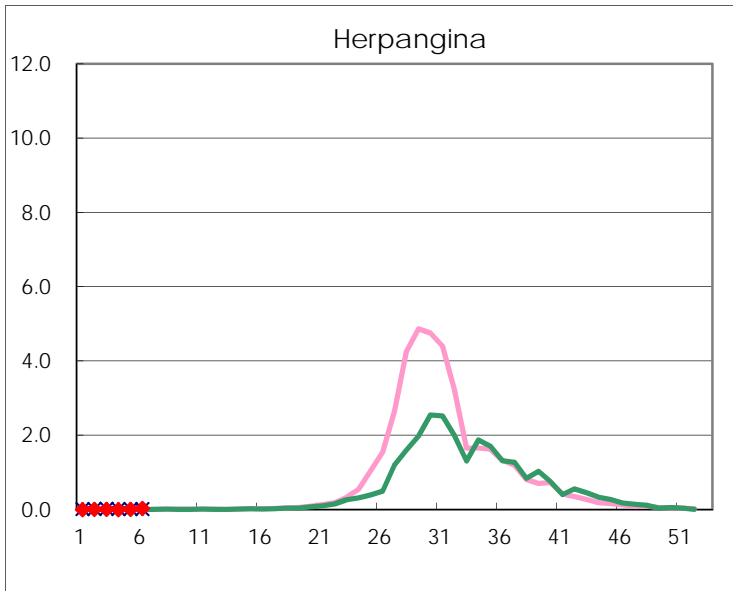
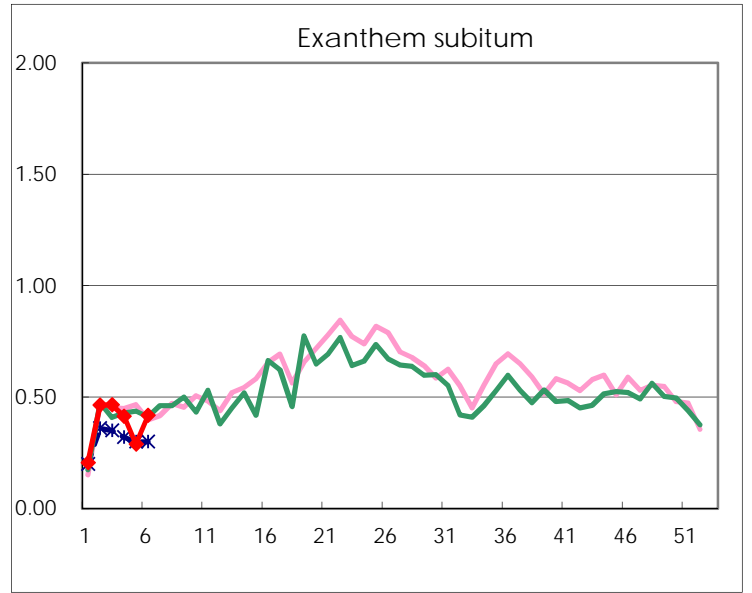
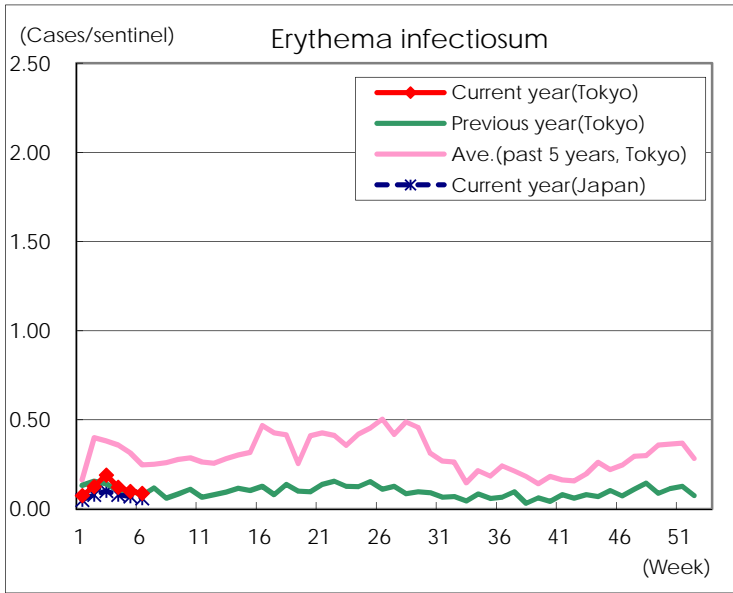
Number of patients with the diseases to be reported
by the designated clinics and hospitals

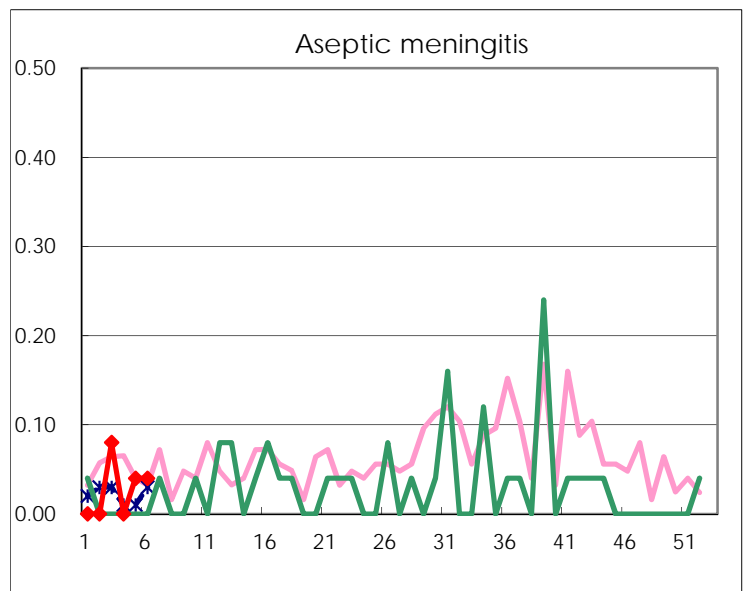
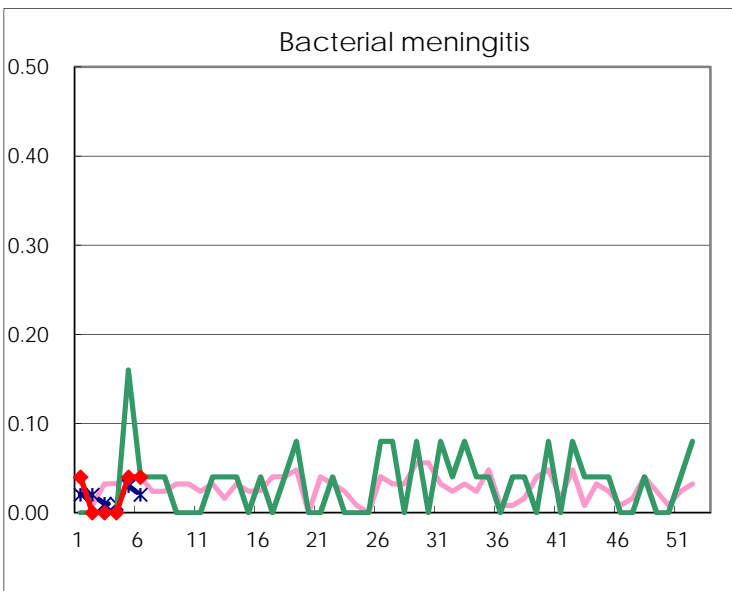
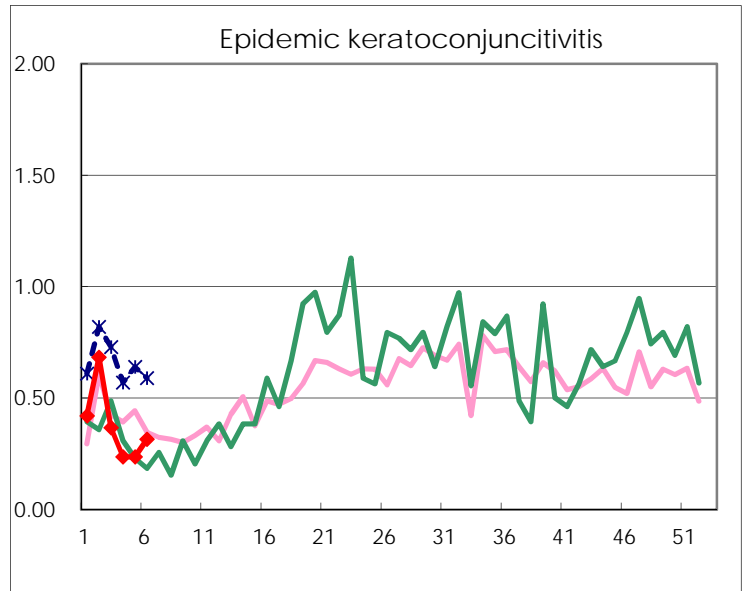
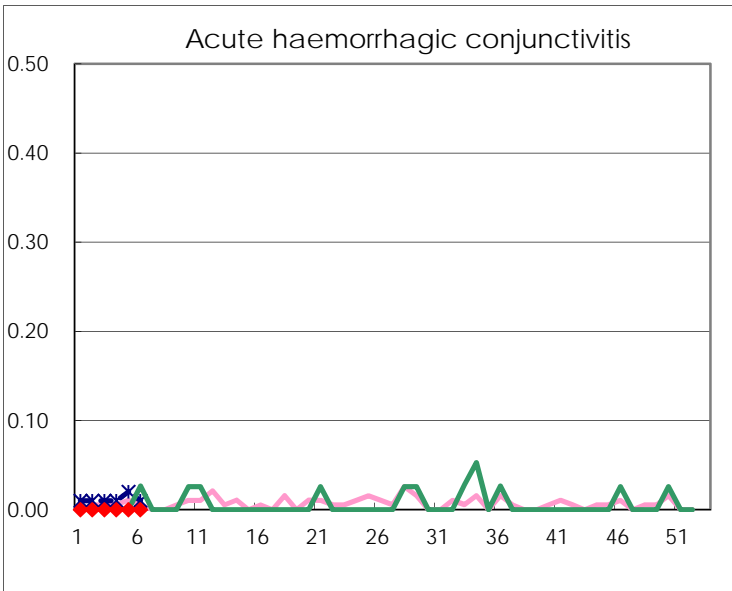
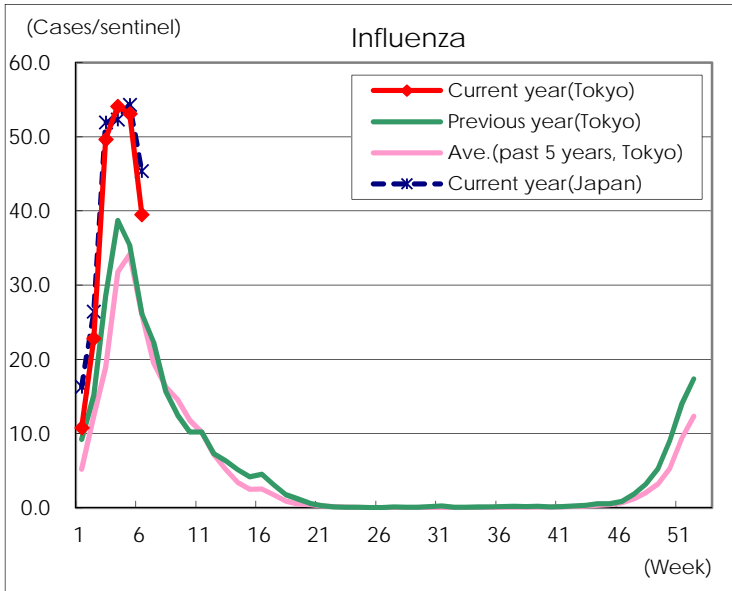
Diseases	Tokyo				
	3rd	4th	5th	6th	/sentinel
Respiratory syncytial virus infection	70	87	83	68	0.26
Pharyngoconjunctival fever	67	44	45	54	0.21
Group A streptococcal pharyngitis	712	720	625	730	2.80
Infectious gastroenteritis	1,844	1,426	1,518	1,310	5.02
Chickenpox	81	53	71	65	0.25
Hand, foot, and mouth disease	22	23	20	13	0.05
Erythema infectiosum	50	32	26	23	0.09
Exanthem subitum	122	109	76	109	0.42
Herpangina	2	1	3	9	0.03
Mumps	14	25	19	22	0.08
Kawasaki disease	2	2	1	2	0.01
Cold with exanthems	7	4	12	10	0.04
Influenza	20,612	22,504	22,104	16,327	39.53
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	14	9	9	12	0.32
Bacterial meningitis			1	1	0.04
Aseptic meningitis	2		1	1	0.04
Mycoplasma pneumonia	2	3			
Chlamydial pneumonia (excluding psittacosis)		1	1		
Infectious gastroenteritis (only by Rotavirus)	1		3	4	0.16
Influenza-Associated Hospitalizations	140	110	123	122	4.88

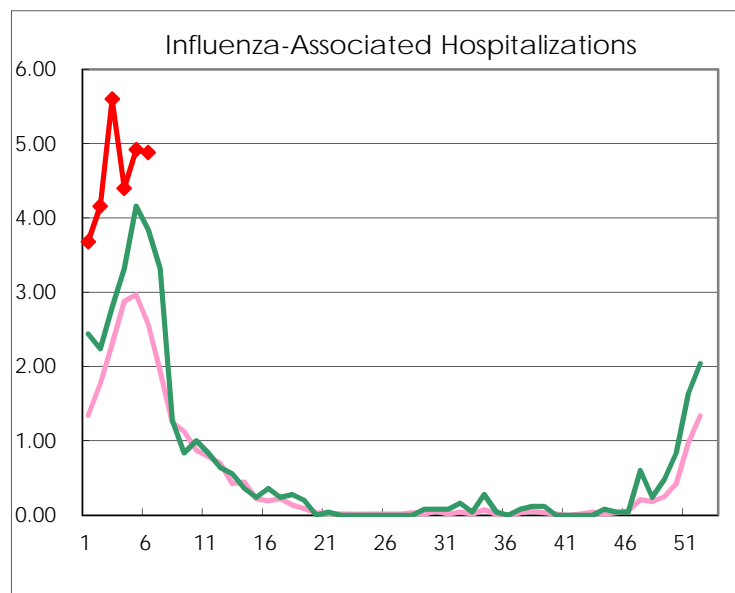
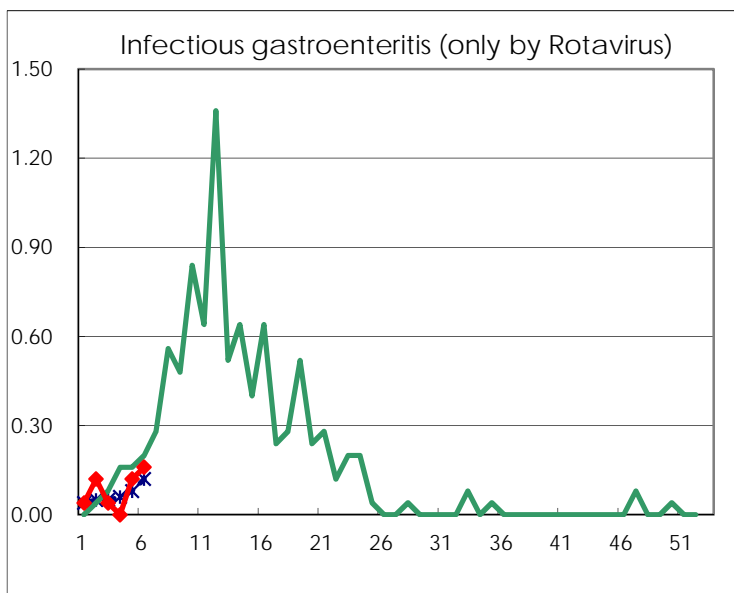
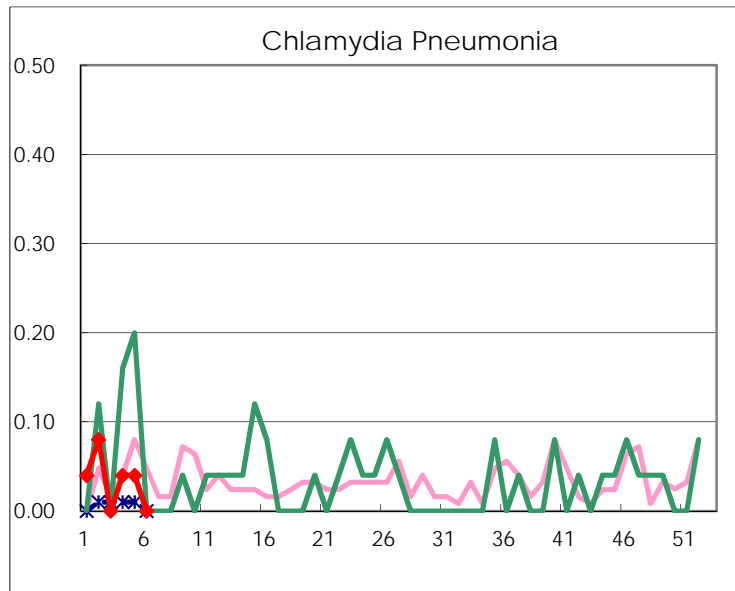
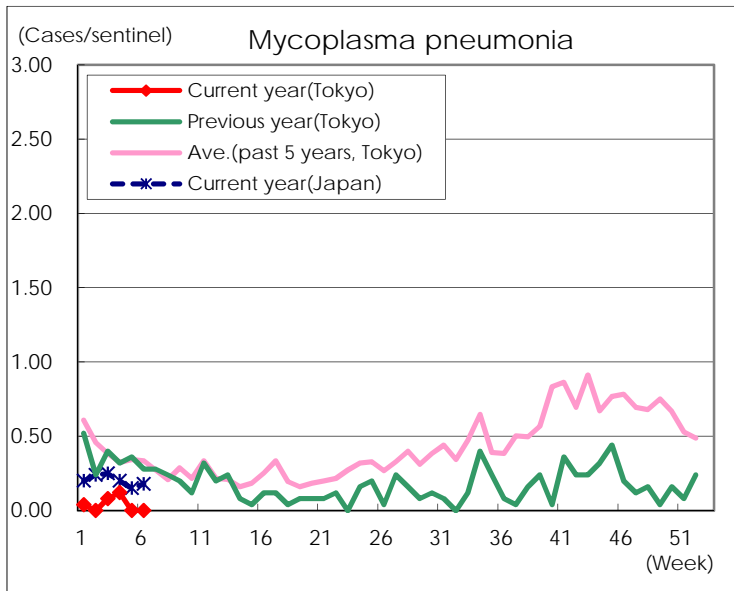
(Blank means 0.)

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