

17 March 2016 / Number 10

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	
		7th	8th	9th	10th	Cum 2016	10th	Cum 2016
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	72	71	65	61	647	367	4,095
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis			3	1	8	1	31
	Enterohemorrhagic Escherichia coli infection	2	1	2	3	16	6	126
	Typhoid fever	1				5		8
	Paratyphoid fever					2		2
IV	Hepatitis E		1	1	3	14	5	80
	West Nile fever							
	Hepatitis A	2	2	1	4	12	12	64
	Echinococcosis							3
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							1
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection						1	2
	Severe Fever with Thrombocytopenia Syndrome							2
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever			1		1		1
	Scrub typhus(Tsutsugamushi disease)						2	36
	Dengue fever		1	1	1	14	7	53
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							3
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
Hendra virus infection								
Epidemic typhus								
Botulism								
Malaria		1			1		3	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	3	1	1	1	18	18	214	
Leptospirosis							3	
Rocky mountain spotted fever								

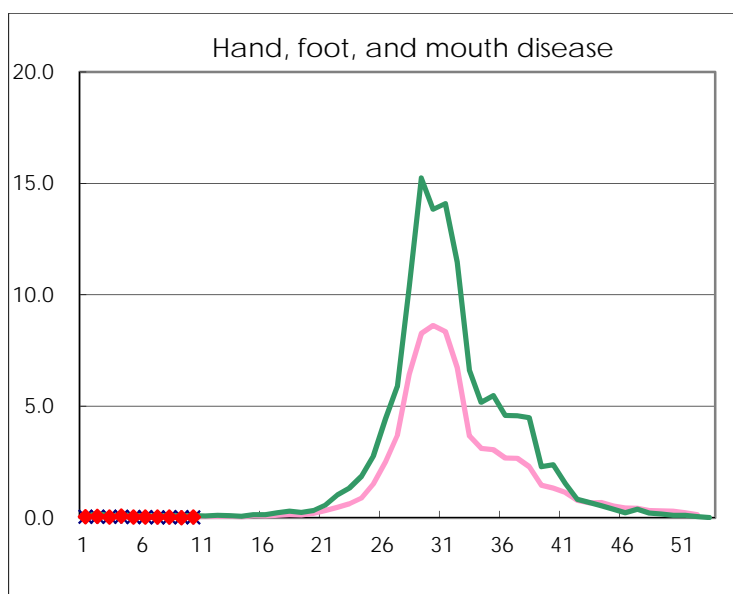
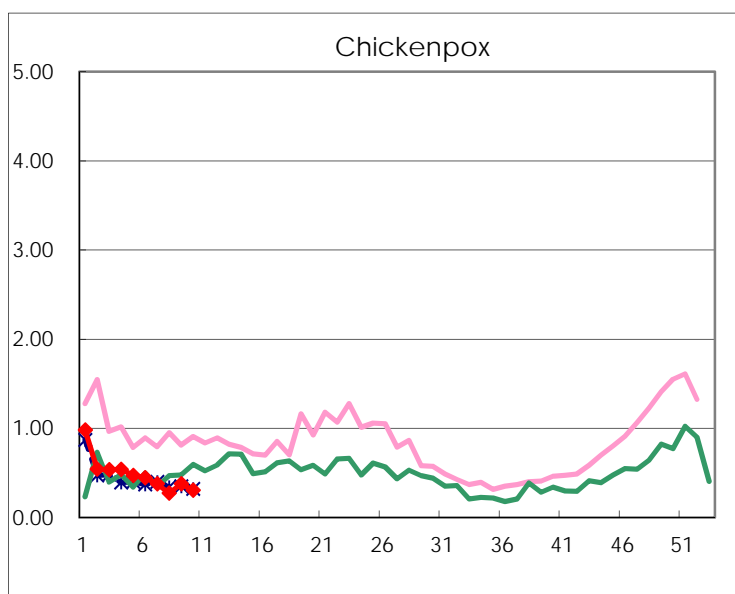
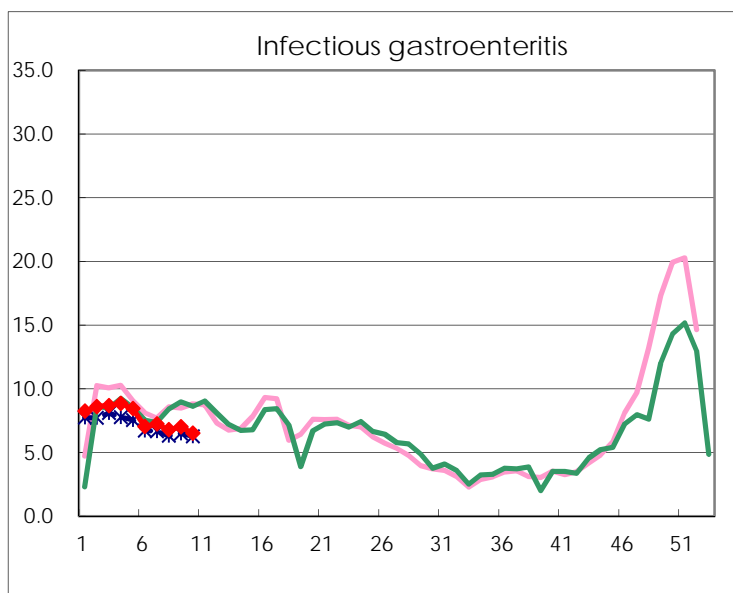
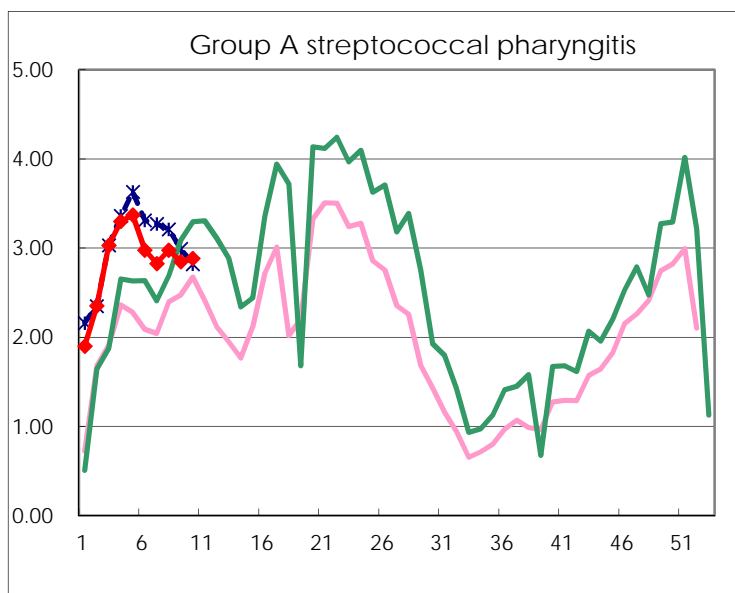
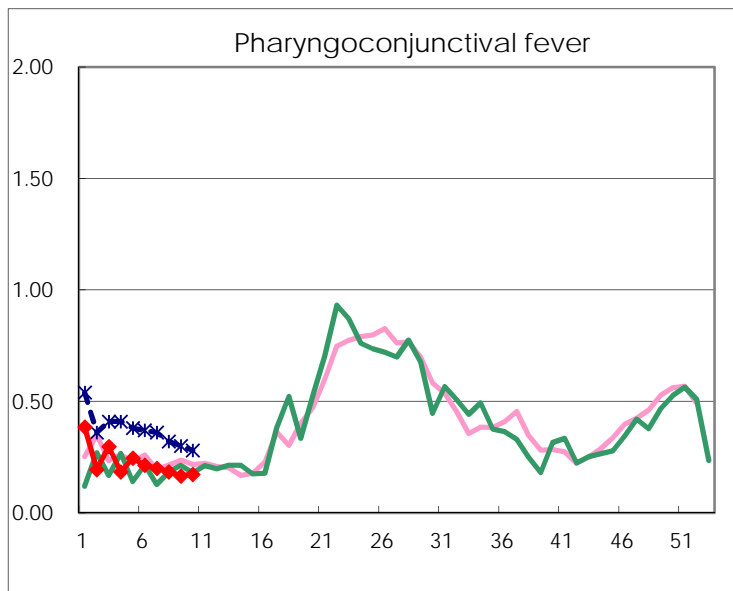
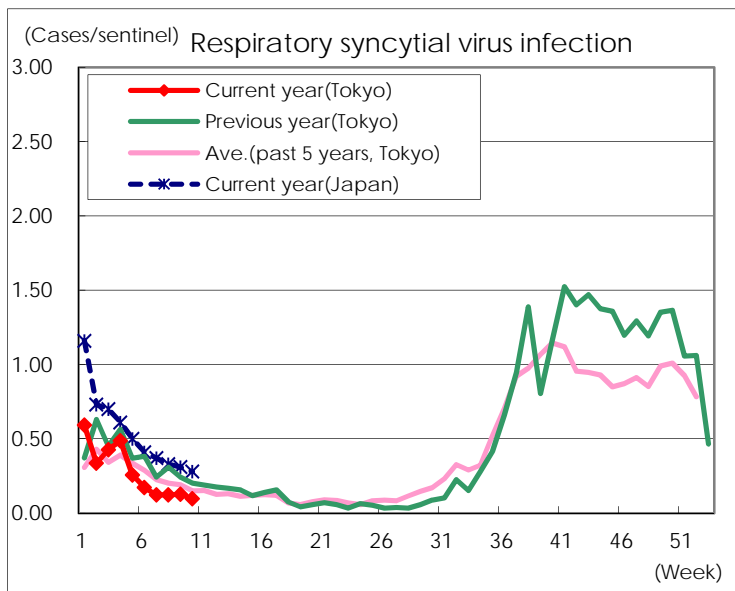
Category	Diseases	Tokyo					Japan	
		7th	8th	9th	10th	Cum 2016	10th	Cum 2016
V	Amebiasis	2	5	2	5	40	14	226
	Viral hepatitis(excluding hepatitis A and E)	2	3		1	12	3	46
	CRE infection	1	5	5	3	44	15	266
	Acute encephalitis(excluding JE and WNE)	1	7	6	2	41	12	244
	Cryptosporidiosis							1
	Creutzfeldt-Jakob disease			1		5	3	42
	Severe invasive streptococcal infections(TSLS)	2		1		18	9	109
	Acquired immunodeficiency syndrome (AIDS)	11	8	6	14	92	22	270
	Giardiasis				1	3	1	10
	Invasive <i>Haemophilus influenzae</i> disease	1			1	7	5	61
	Invasive meningococcal disease						2	12
	Invasive pneumococcal disease	11	8	7	10	83	44	629
	Varicella (limited to hospitalized case)					8	2	45
	Congenital rubella syndrome							
	Syphilis	31	27	28	47	320	59	666
	Disseminated cryptococcosis			1	2	4		24
	Tetanus						1	13
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							5
	Rubella			3		3	2	18
Measles						1	3	
MDRA infection							6	

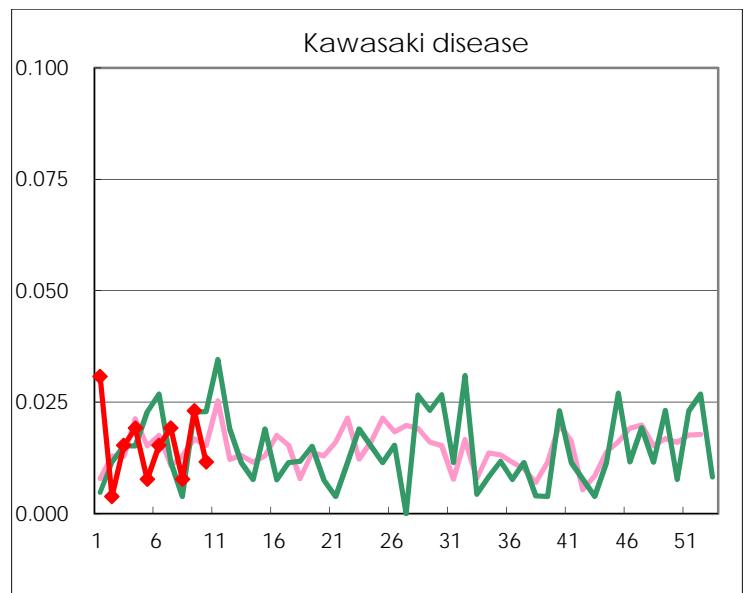
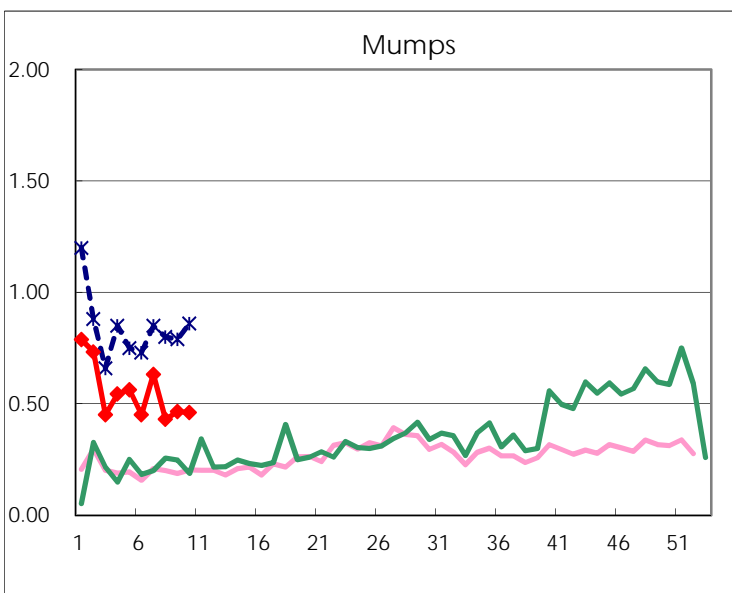
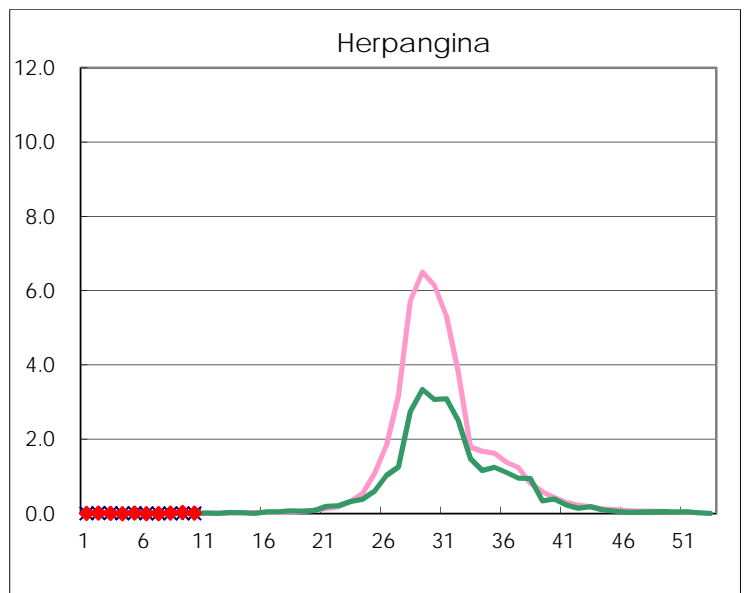
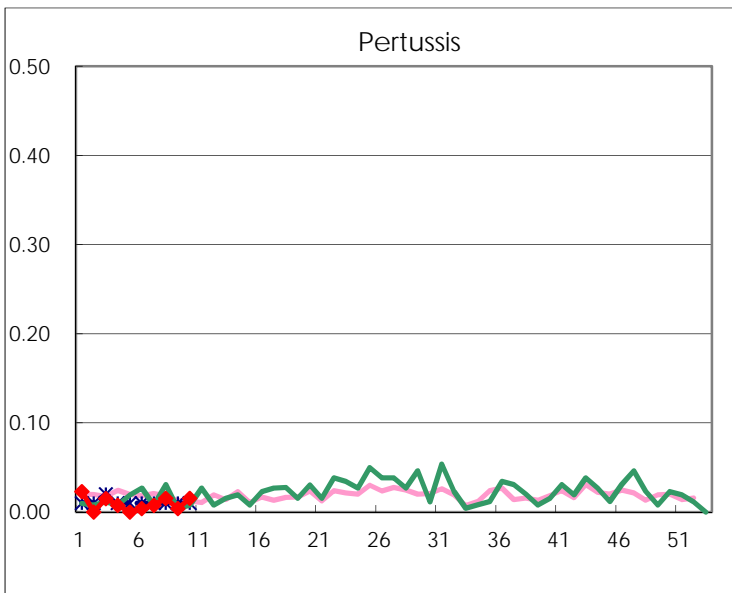
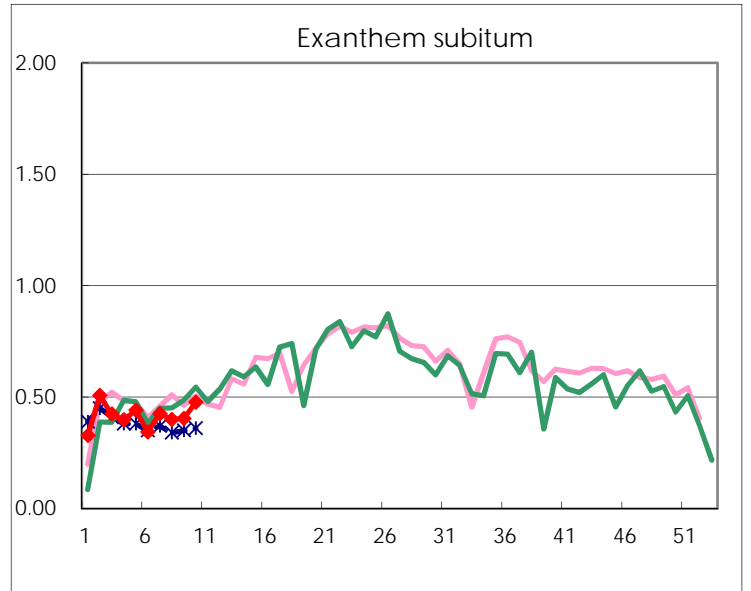
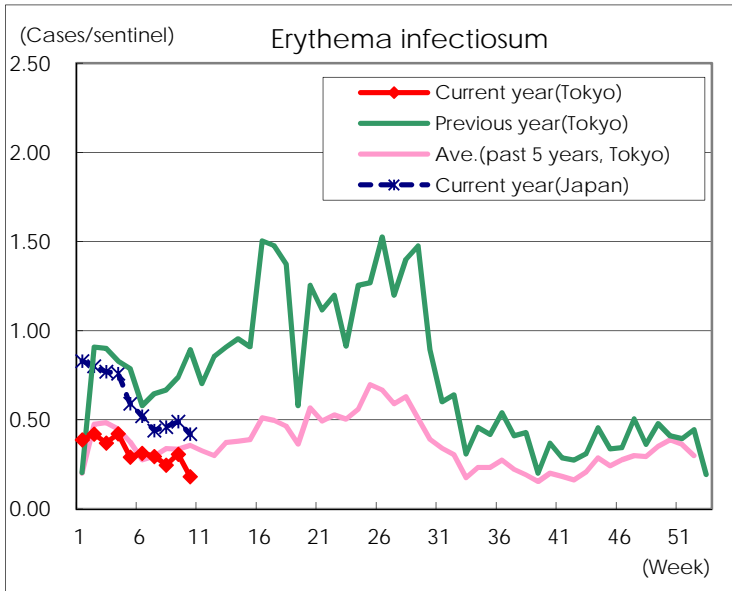
Number of patients with the diseases to be reported
by the designated clinics and hospitals

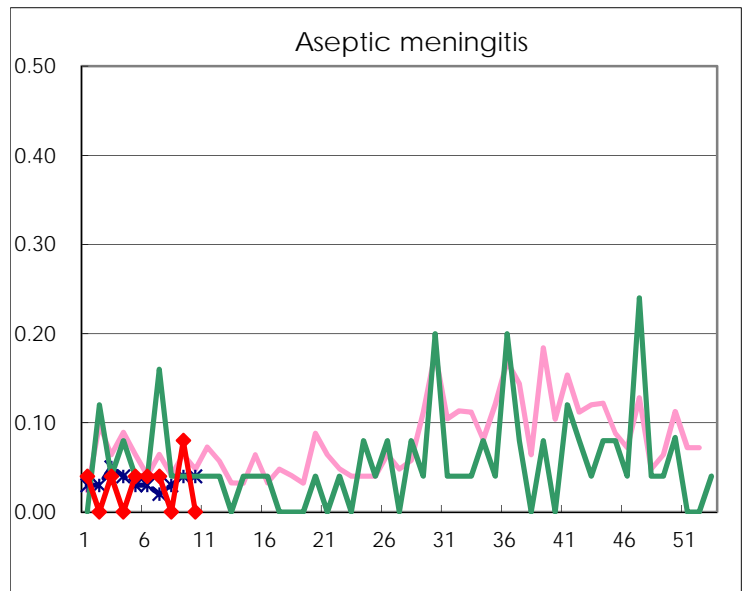
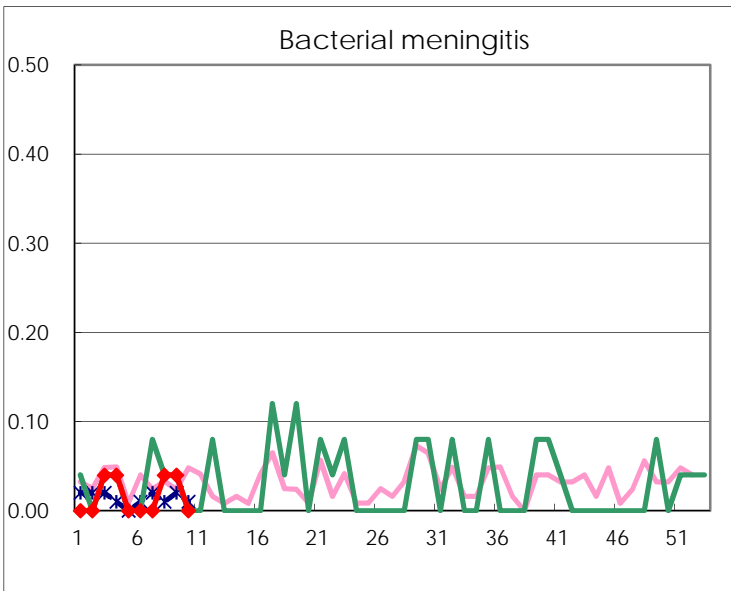
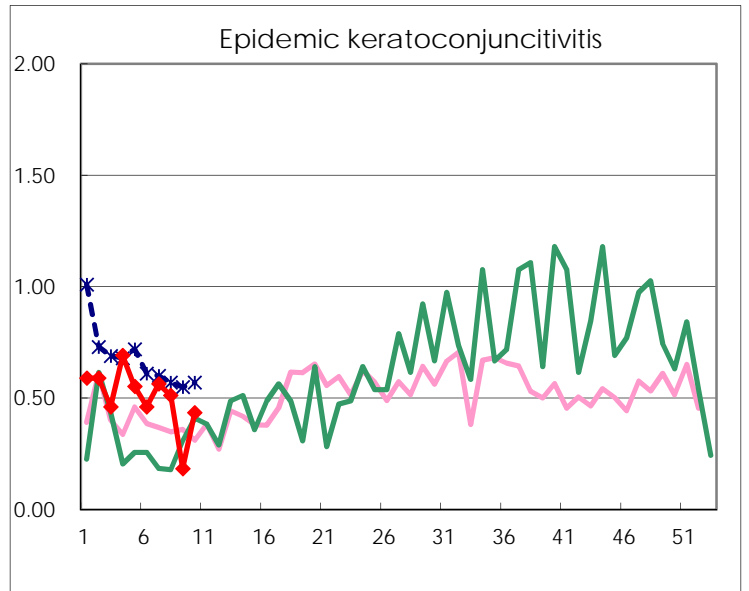
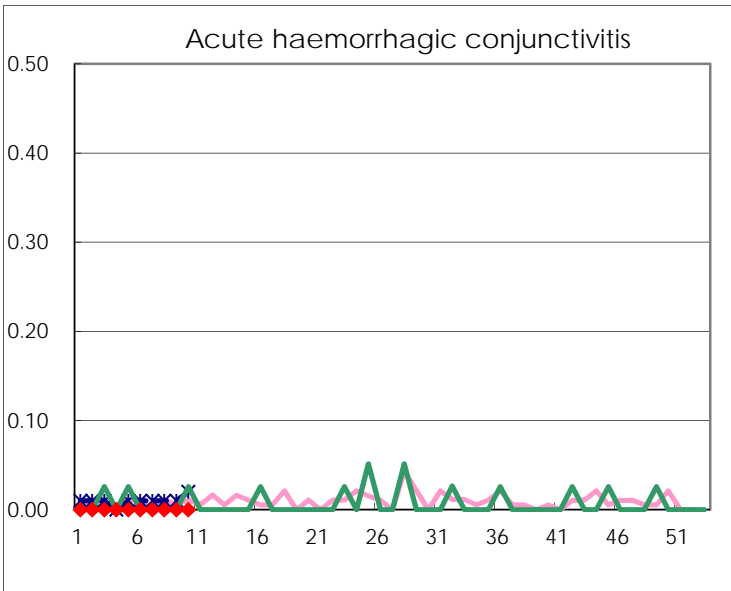
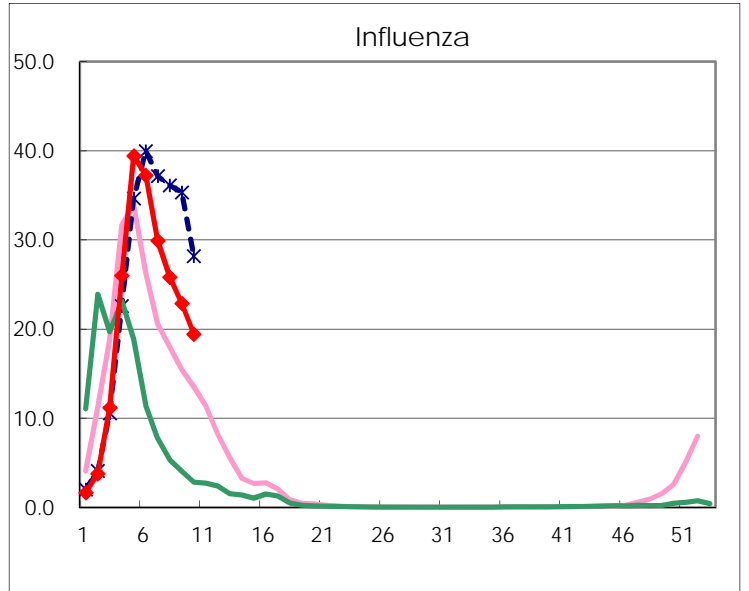
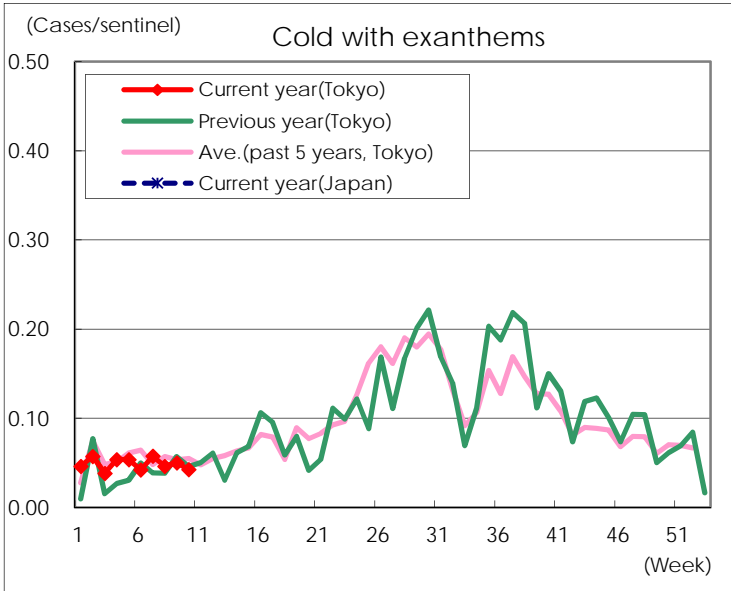
Diseases	Tokyo				
	7th	8th	9th	10th	/sentinel
Respiratory syncytial virus infection	32	32	33	25	0.10
Pharyngoconjunctival fever	52	48	43	45	0.17
Group A streptococcal pharyngitis	738	774	740	750	2.88
Infectious gastroenteritis	1,889	1,762	1,821	1,691	6.50
Chickenpox	98	71	98	79	0.30
Hand, foot, and mouth disease	8	8	2	6	0.02
Erythema infectiosum	77	64	80	47	0.18
Exanthem subitum	111	104	105	124	0.48
Pertussis	2	4	1	4	0.02
Herpangina	1	4	9	4	0.02
Mumps	165	112	121	120	0.46
Kawasaki disease	5	2	6	3	0.01
Cold with exanthems	15	12	13	11	0.04
Influenza	12,413	10,688	9,499	8,049	19.44
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	22	20	7	17	0.44
Bacterial meningitis		1	1		
Aseptic meningitis	1		2		
Mycoplasma pneumonia	11	5	6	10	0.40
Chlamydial pneumonia (excluding psittacosis)		1	3	3	0.12
Infectious gastroenteritis (only by Rotavirus)	13	3	2	4	0.16
Influenza-Associated Hospitalizations	71	49	37	31	1.24

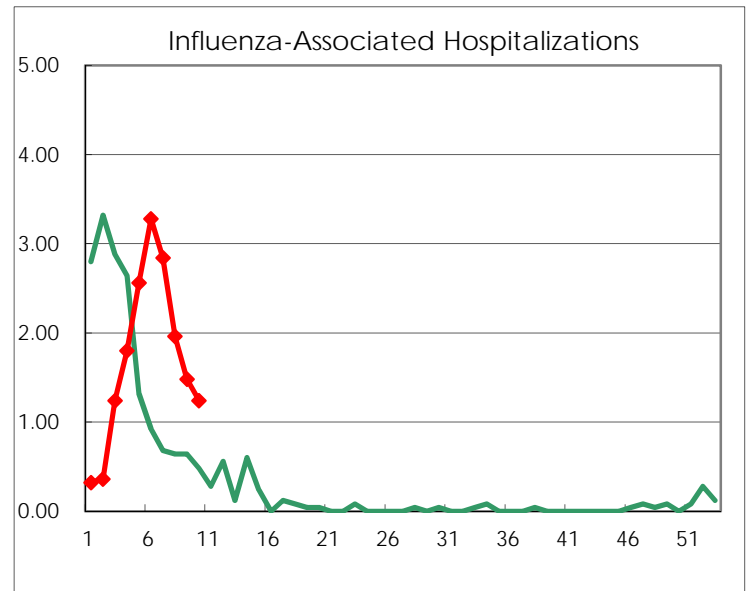
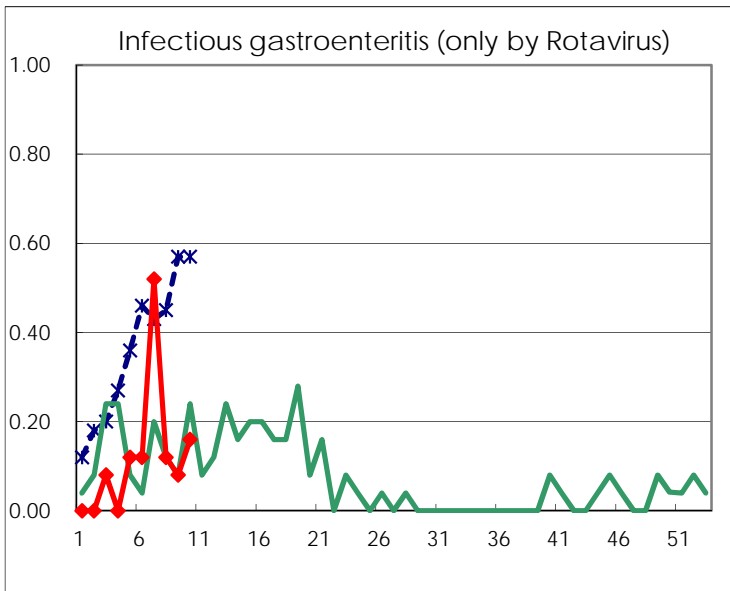
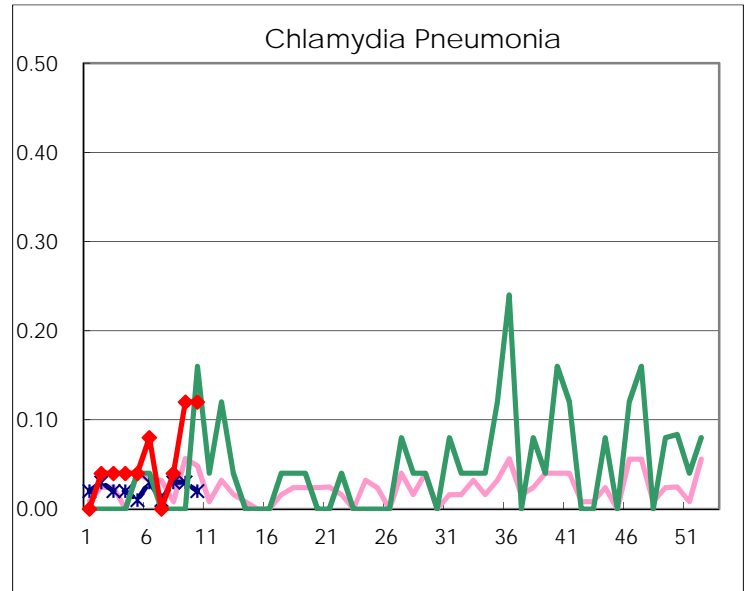
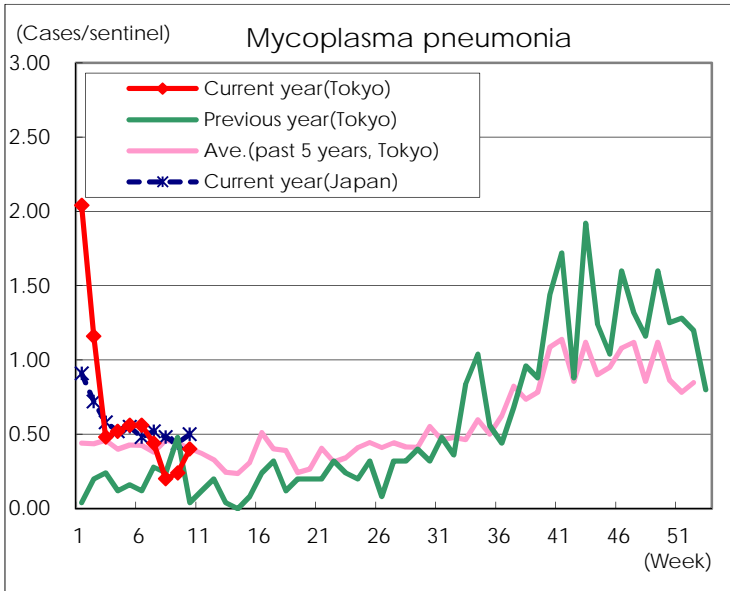
(Blank means 0.)

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	260
Influenza	419	414
Ophthalmic	39	39
Specially-designated	25	25