

3 March 2016 / Number 8

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	
		5th	6th	7th	8th	Cum 2016	8th	Cum 2016
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	64	53	67	56	497	340	3,134
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis		2			4	4	25
	Enterohemorrhagic Escherichia coli infection	2		2	1	11	13	105
	Typhoid fever	1		1		5		8
	Paratyphoid fever					2		2
IV	Hepatitis E	2	3		1	10	6	63
	West Nile fever							
	Hepatitis A	1		2	2	7	5	46
	Echinococcosis							2
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							1
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection						1	1
	Severe Fever with Thrombocytopenia Syndrome							2
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							
	Scrub typhus(Tsutsugamushi disease)							30
	Dengue fever	2	1		1	12	1	38
	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	2	3	3	1	16	16	169	
Leptospirosis						1	3	
Rocky mountain spotted fever								

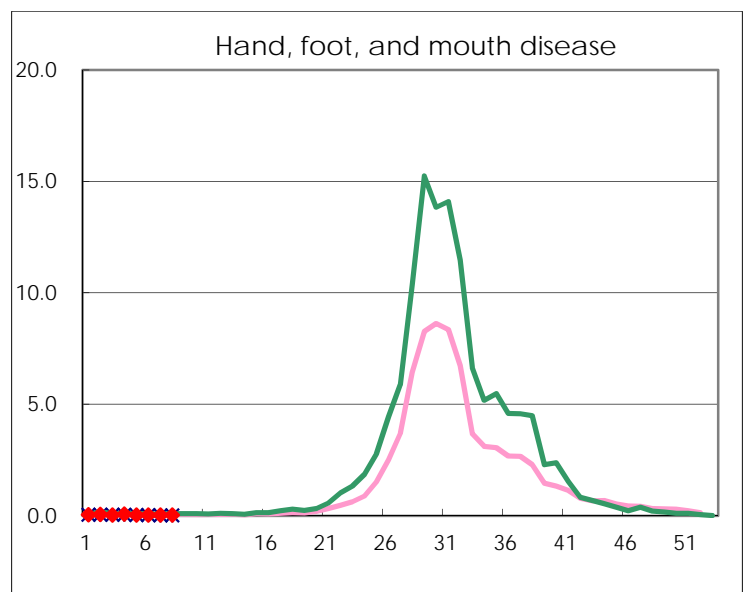
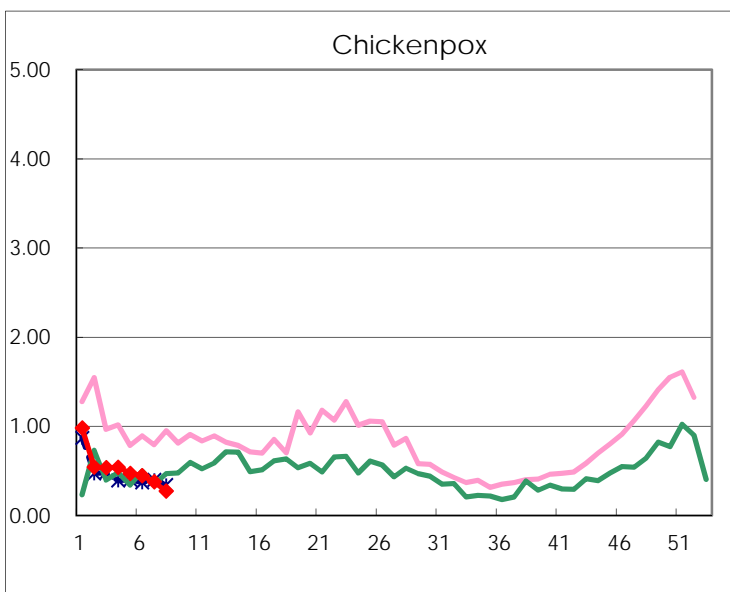
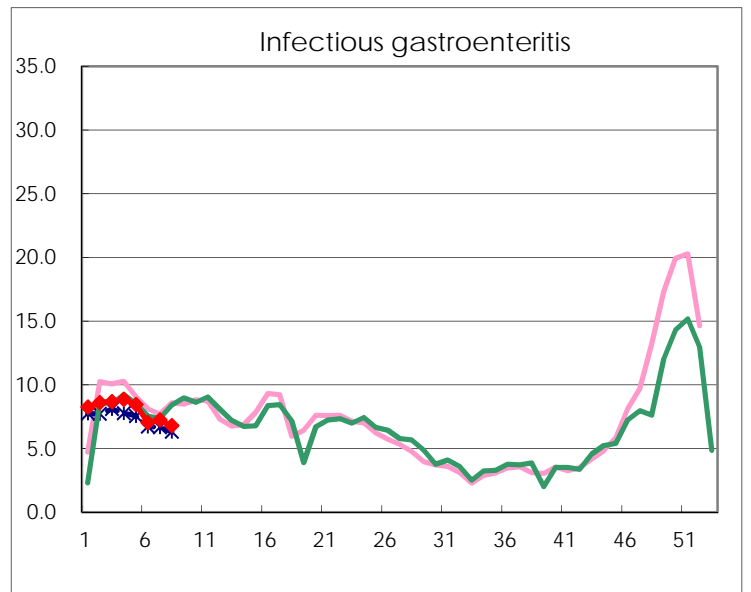
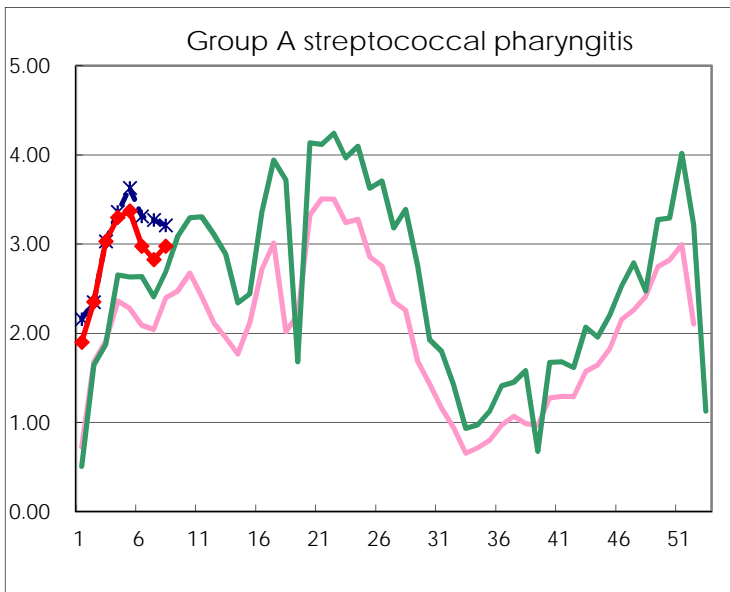
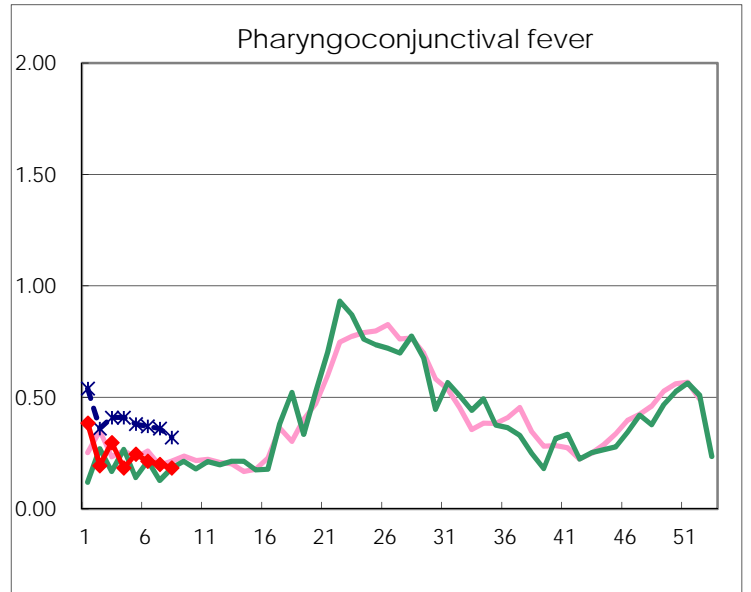
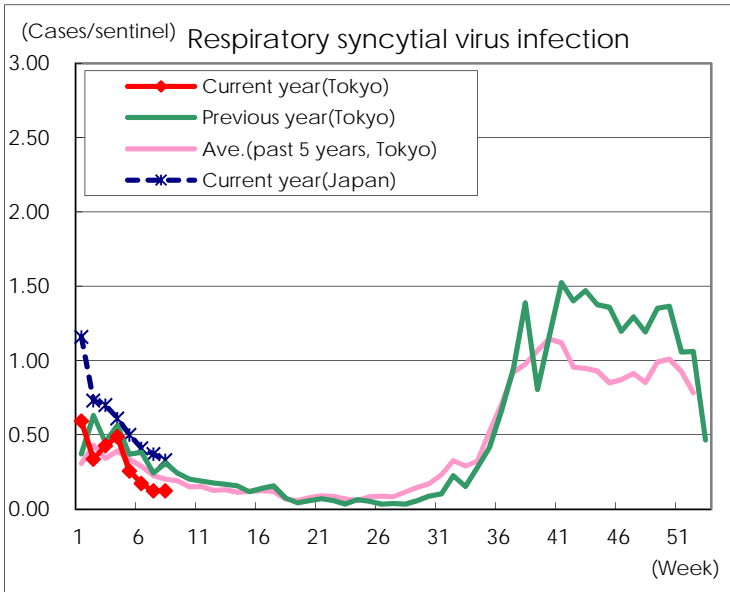
Category	Diseases	Tokyo					Japan	
		5th	6th	7th	8th	Cum 2016	8th	Cum 2016
V	Amebiasis	4	1	2	5	33	12	189
	Viral hepatitis(excluding hepatitis A and E)		1	2	3	11	5	36
	CRE infection	6	4	1	5	36	22	214
	Acute encephalitis(excluding JE and WNE)	7	4	1	7	33	19	184
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease	2				4	1	35
	Severe invasive streptococcal infections(TSLS)	4	1	2		17	7	92
	Acquired immunodeficiency syndrome (AIDS)	4	12	11	8	72	17	204
	Giardiasis					2		9
	Invasive <i>Haemophilus influenzae</i> disease		1	1		6	1	47
	Invasive meningococcal disease						1	7
	Invasive pneumococcal disease	8	3	11	8	66	44	483
	Varicella (limited to hospitalized case)	2				8	1	36
	Congenital rubella syndrome							
	Syphilis	31	26	31	27	245	52	512
	Disseminated cryptococcosis					1	2	19
	Tetanus						1	7
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							4
	Rubella						2	10
Measles						1	2	
MDRA infection							6	

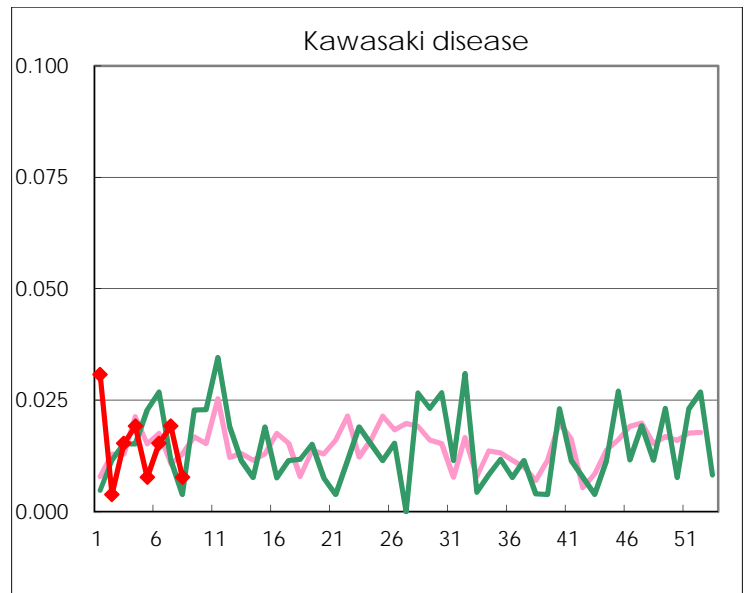
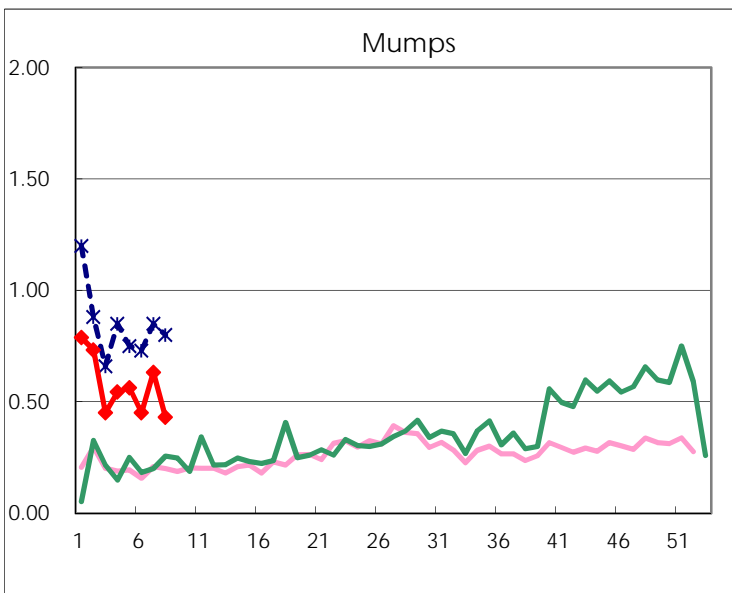
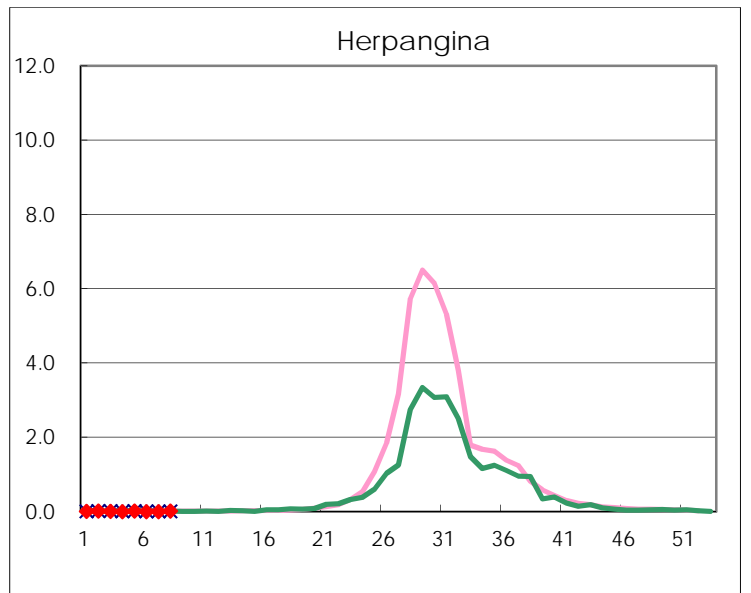
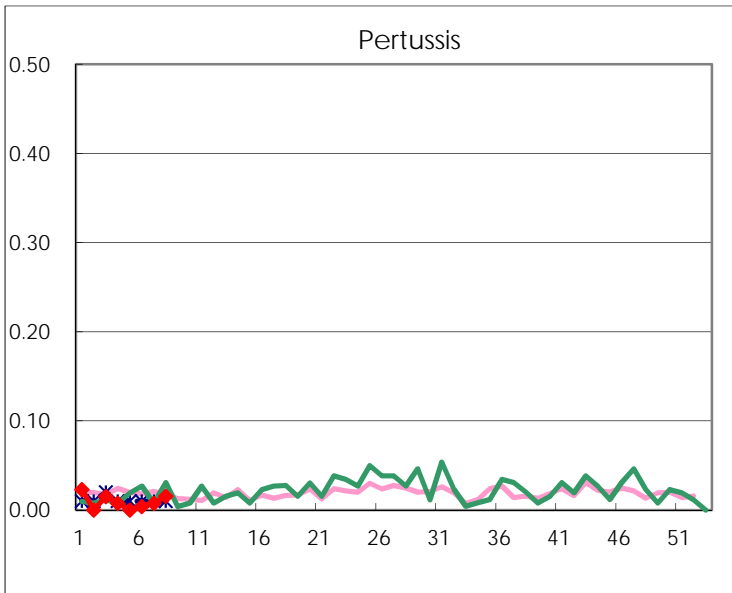
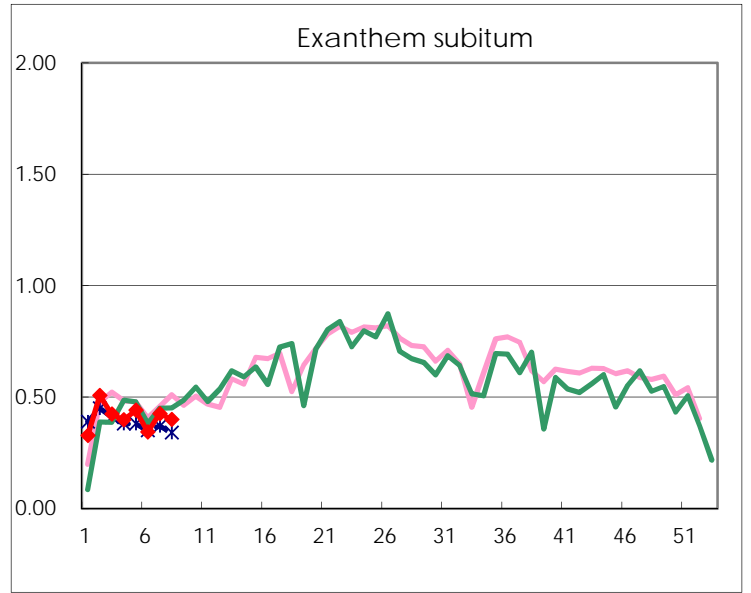
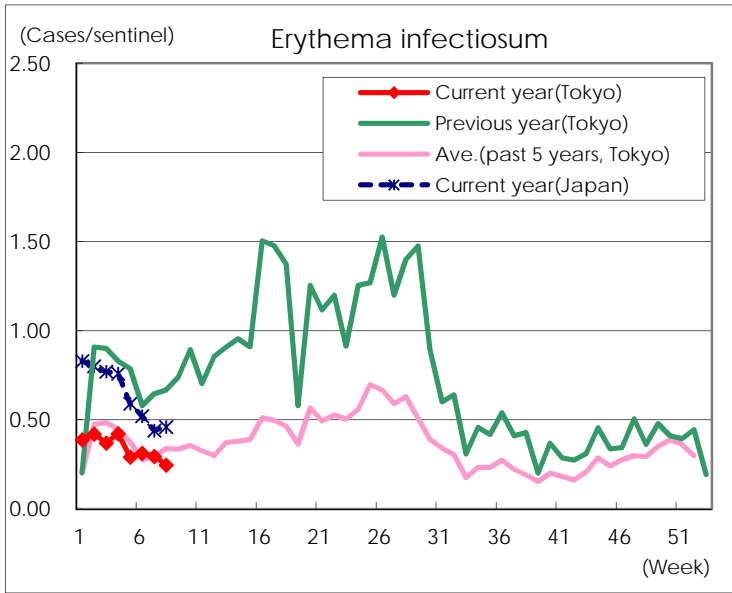
Number of patients with the diseases to be reported
by the designated clinics and hospitals

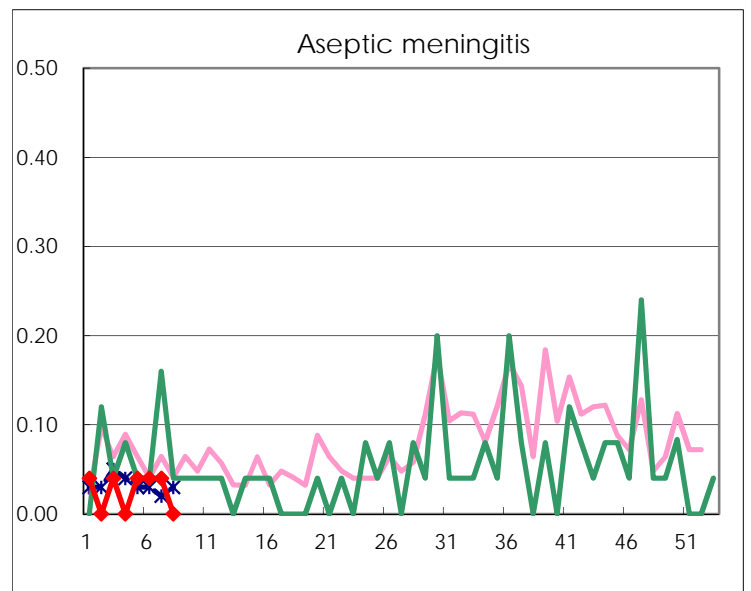
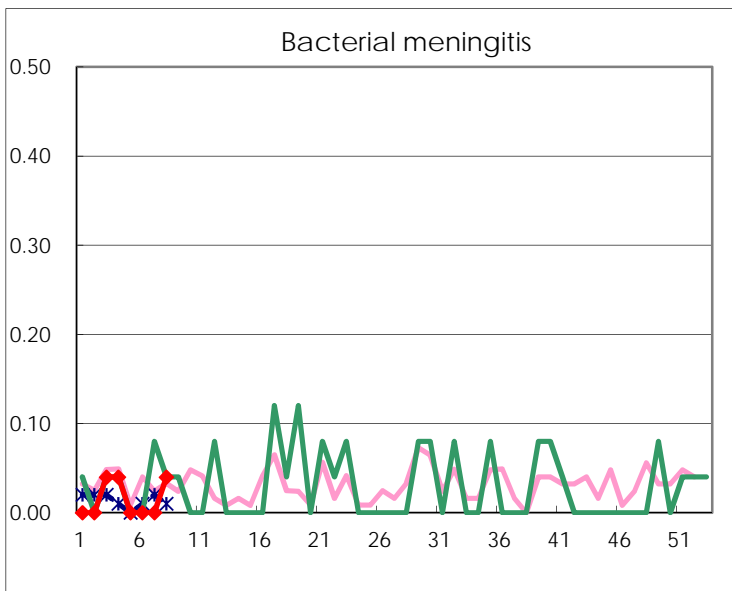
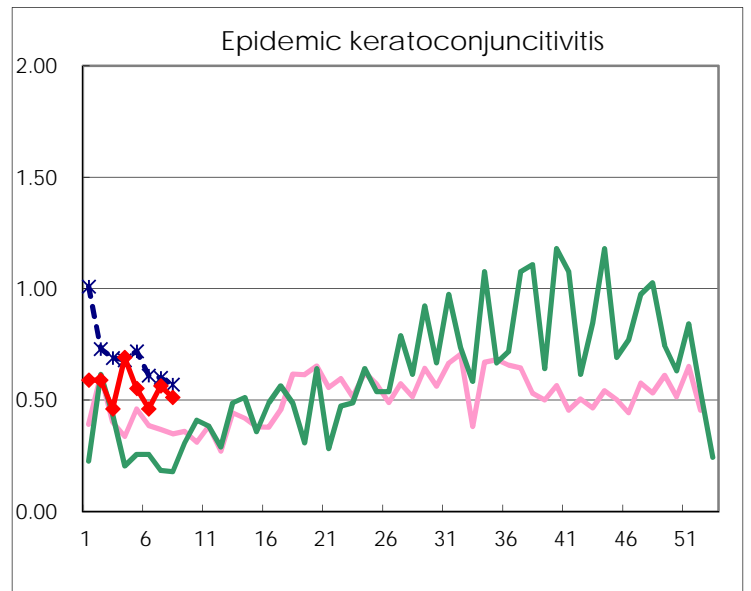
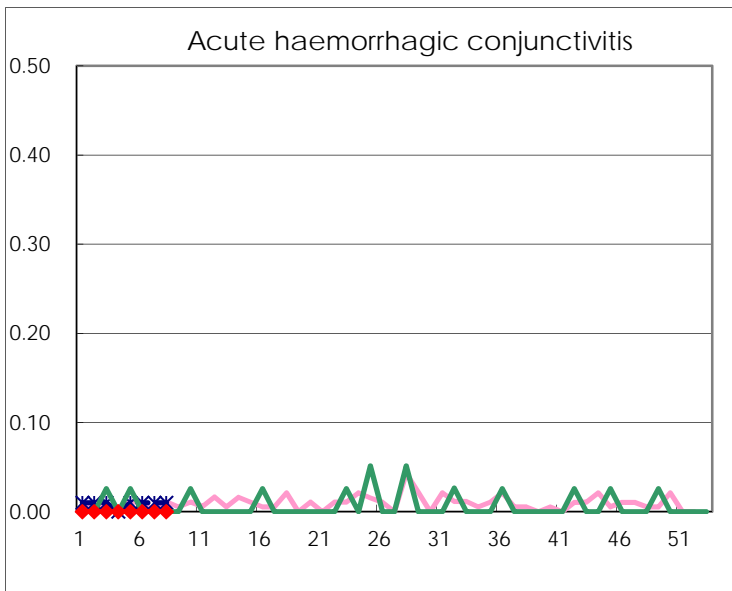
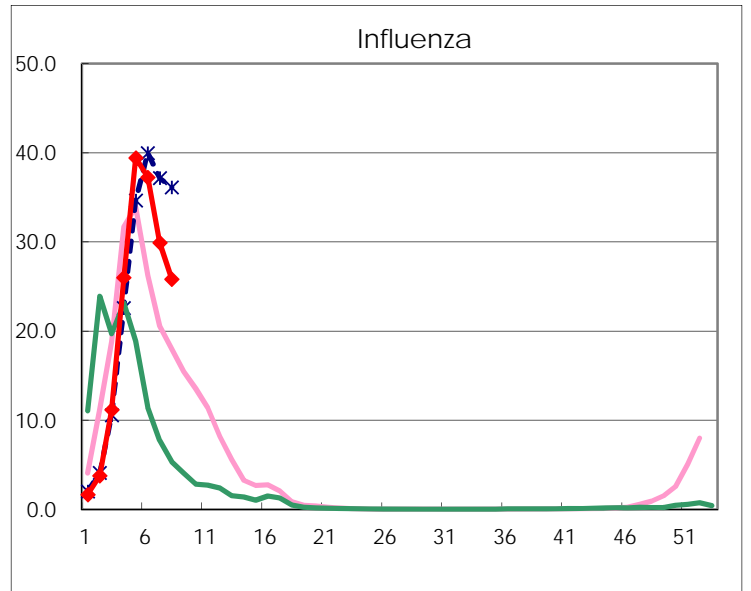
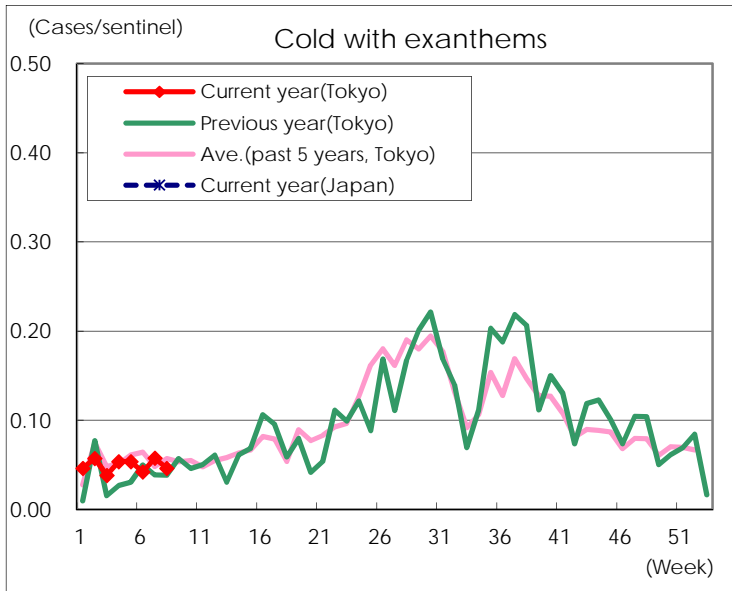
Diseases	Tokyo				
	5th	6th	7th	8th	/sentinel
Respiratory syncytial virus infection	67	45	32	32	0.12
Pharyngoconjunctival fever	64	56	52	48	0.18
Group A streptococcal pharyngitis	880	780	738	774	2.98
Infectious gastroenteritis	2,203	1,843	1,889	1,762	6.78
Chickenpox	123	117	98	71	0.27
Hand, foot, and mouth disease	7	8	8	8	0.03
Erythema infectiosum	76	82	77	64	0.25
Exanthem subitum	115	90	111	104	0.40
Pertussis		1	2	4	0.02
Herpangina	4	1	1	4	0.02
Mumps	147	118	165	112	0.43
Kawasaki disease	2	4	5	2	0.01
Cold with exanthems	14	11	15	12	0.05
Influenza	16,365	15,494	12,413	10,688	25.82
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	21	18	22	20	0.51
Bacterial meningitis				1	0.04
Aseptic meningitis	1	1	1		
Mycoplasma pneumonia	14	14	11	5	0.20
Chlamydial pneumonia (excluding psittacosis)	1	2		1	0.04
Infectious gastroenteritis (only by Rotavirus)	3	3	13	3	0.12
Influenza-Associated Hospitalizations	64	82	71	49	1.96

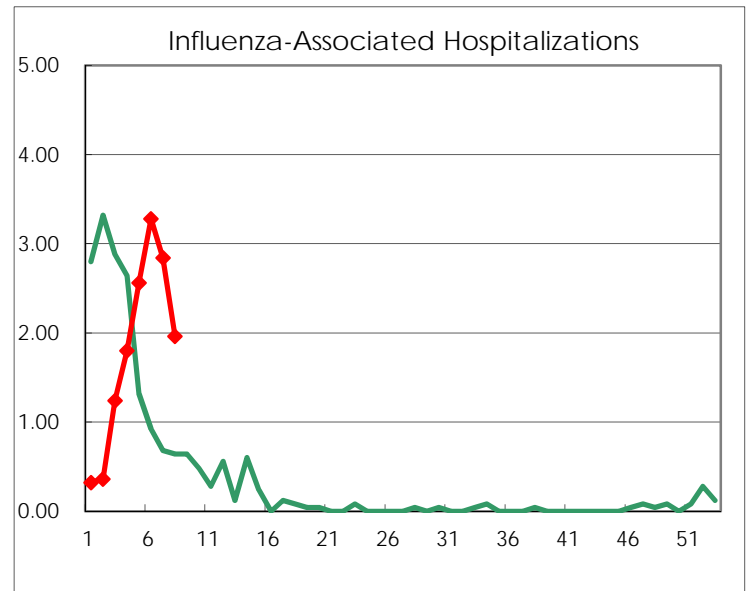
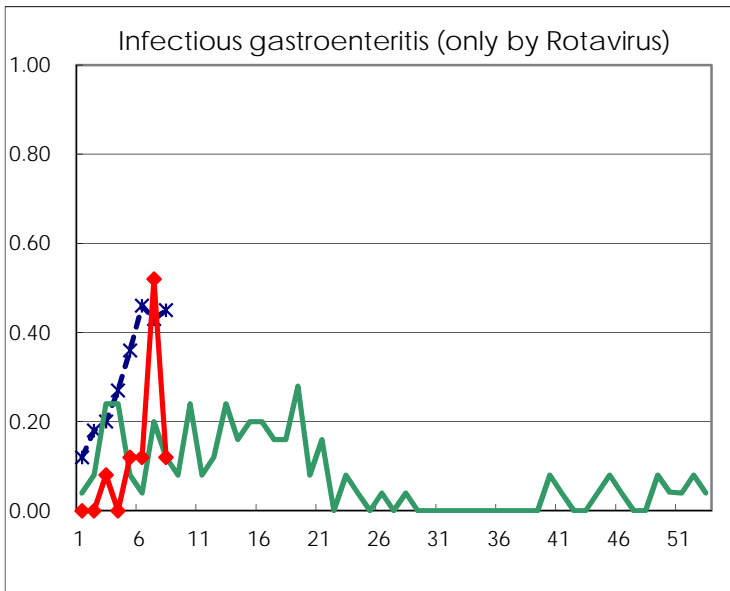
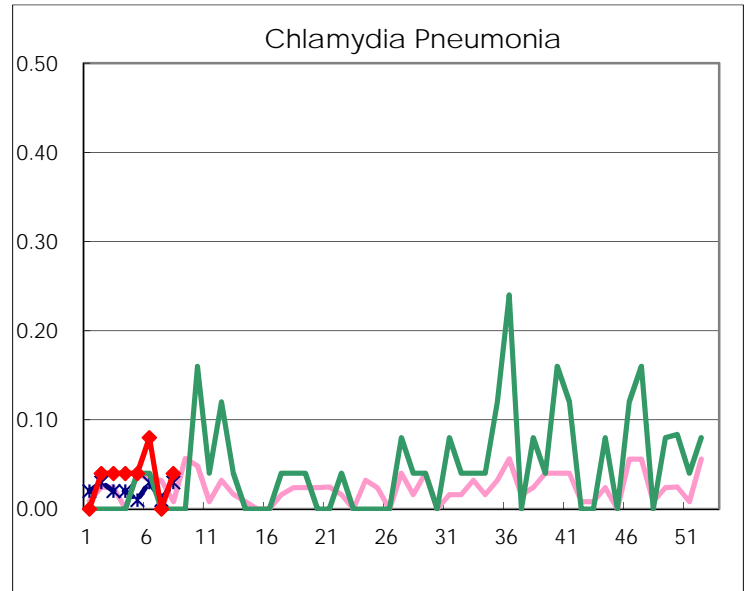
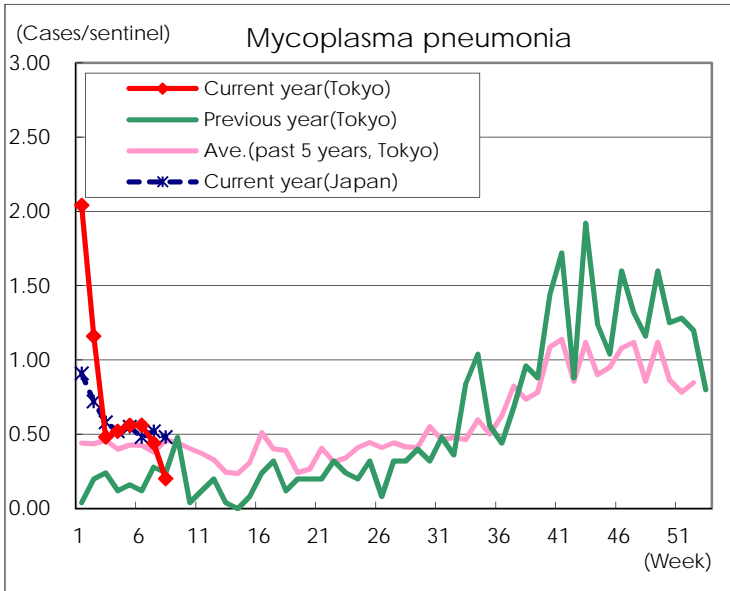
(Blank means 0.)

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