

20 February 2020 / Number 7

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	
		4th	5th	6th	7th	Cum 2020	7th	Cum 2020
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	54	46	52	31	306	219	2,073
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
※	Novel Coronavirus 2019 infection			11	20	31	54	105
III	Cholera							
	Shigellosis	1	1	2		7		16
	Enterohemorrhagic Escherichia coli infection	4	3	2		13	23	155
	Typhoid fever			1		1		4
	Paratyphoid fever		1			1		1
IV	Hepatitis E	1	3	3	7	21	12	70
	West Nile fever							
	Hepatitis A	3	1		4	12	3	27
	Echinococcosis							4
	Yellow fever							
	Psittacosis						1	2
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis			1		1		1
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome						1	4
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							2
	Scrub typhus(Tsutsugamushi disease)	2				4		54
	Dengue fever	1				5		22
	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							1
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
	Malaria	1		1		3	1	7
	Tularemia							
	Lyme disease							1
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
Melioidosis								
Legionellosis	2	3		1	10	24	187	
Leptospirosis							1	
Rocky mountain spotted fever								

Category	Diseases	Tokyo					Japan	
		4th	5th	6th	7th	Cum 2020	7th	Cum 2020
V	Amebiasis	1	7	2	2	20	8	66
	Viral hepatitis(excluding hepatitis A and E)	1	1		2	4	2	25
	CRE infection	2	2		4	12	16	183
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)			1		1		4
	Acute encephalitis(excluding JE and WNE)	2	1			12	6	169
	Cryptosporidiosis							1
	Creutzfeldt-Jakob disease			1	1	2	1	16
	Severe invasive streptococcal infections(TSLS)	4	1	3	2	15	6	132
	Acquired immunodeficiency syndrome (AIDS)	12	9	9	4	42	9	120
	Giardiasis							2
	Invasive <i>Haemophilus influenzae</i> disease		1		1	8	5	89
	Invasive meningococcal disease					1		7
	Invasive pneumococcal disease	3	5	5	6	51	31	417
	Varicella (limited to hospitalized case)	6	1	1		9	8	60
	Congenital rubella syndrome							1
	Syphilis	32	32	32	19	179	51	669
	Disseminated cryptococcosis		1			1	2	15
	Tetanus	1				1	1	9
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							12
Pertussis	28	15	21	19	109	97	1,057	
Rubella	1	3	3	3	12	5	44	
Measles	1				1		4	
MDRA infection							1	

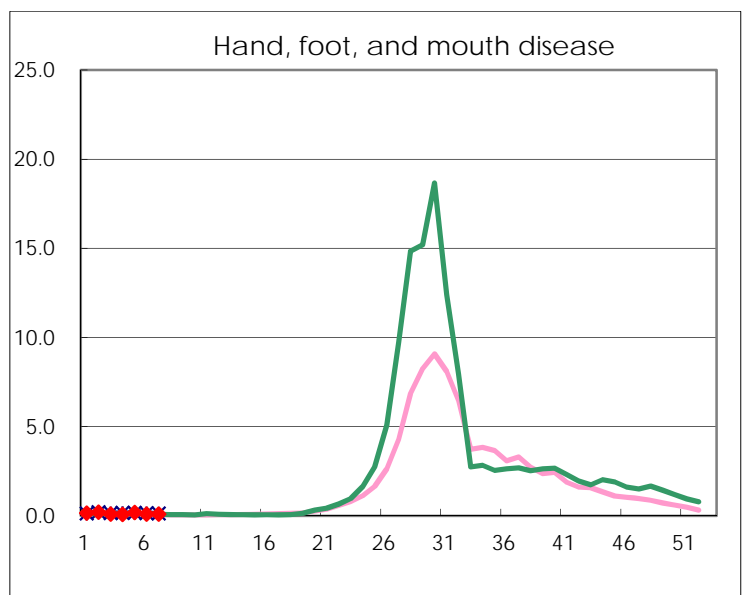
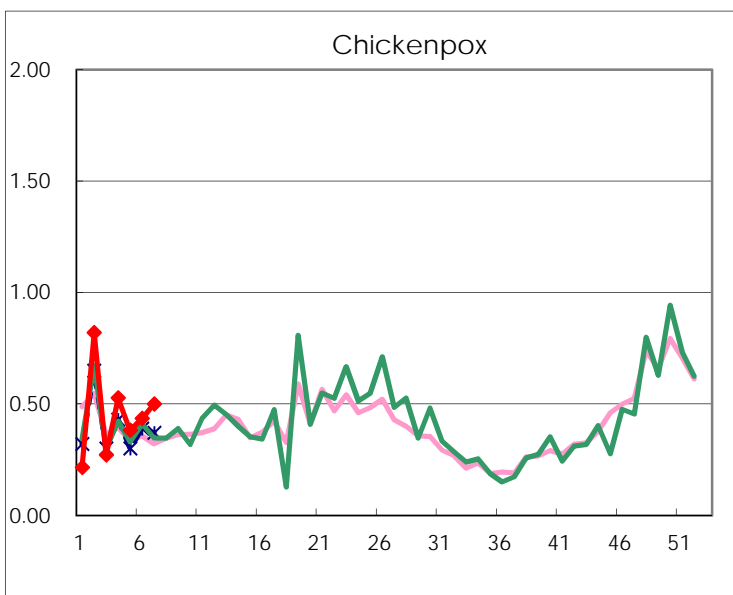
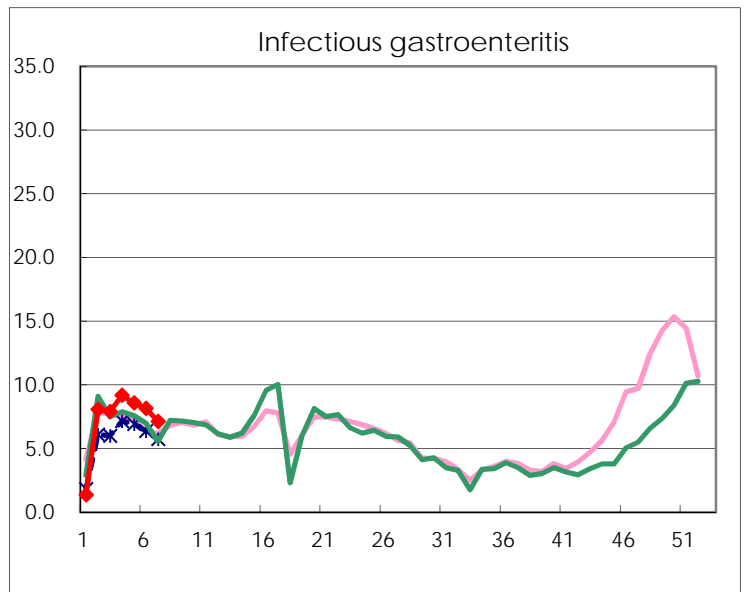
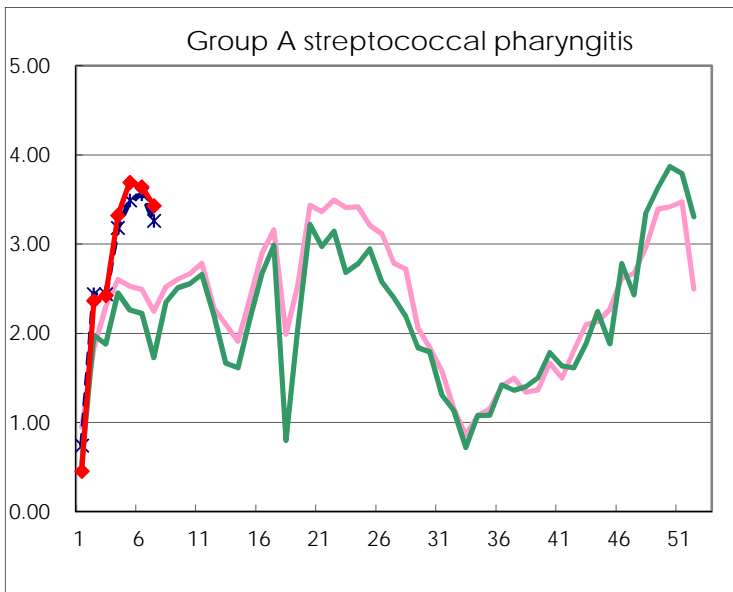
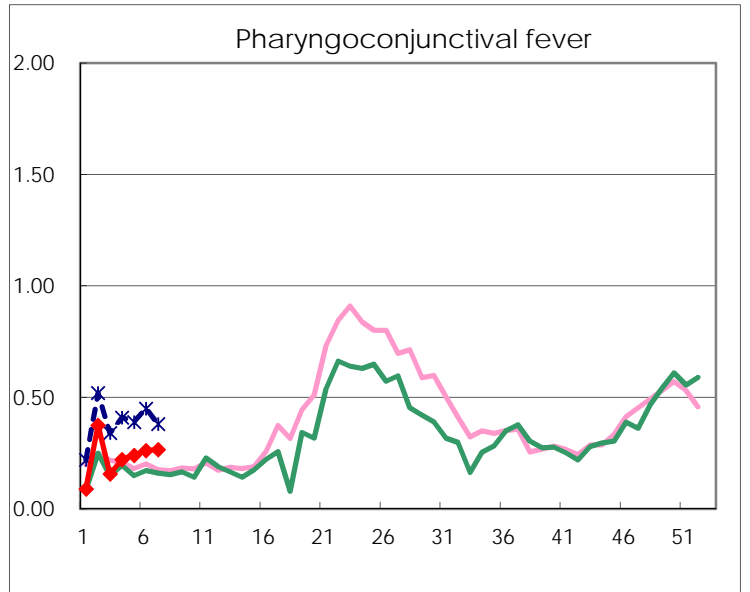
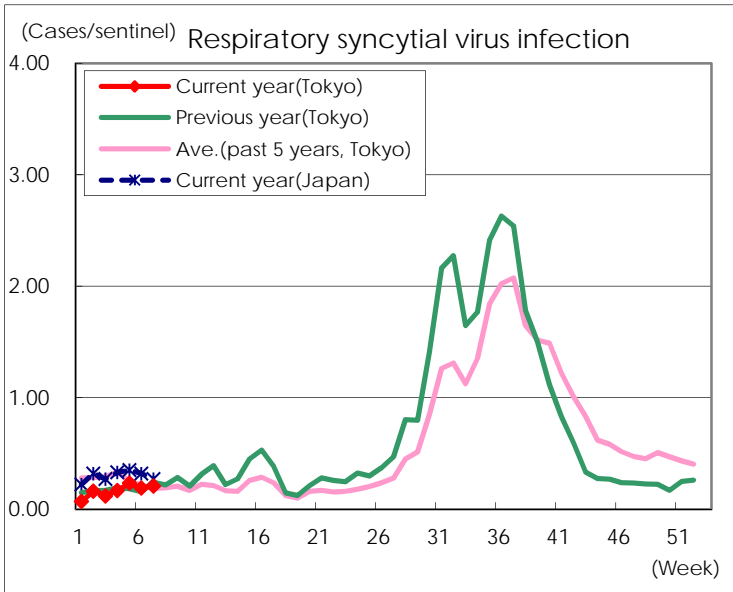
※ Designated infectious disease

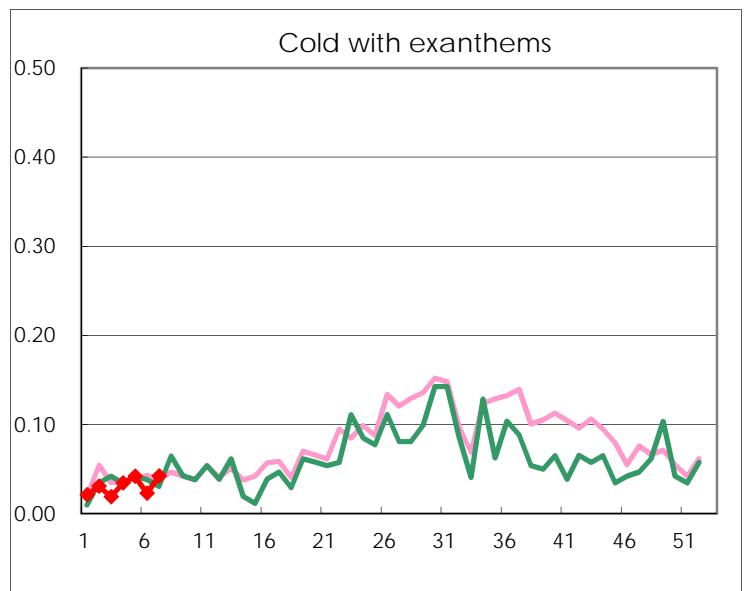
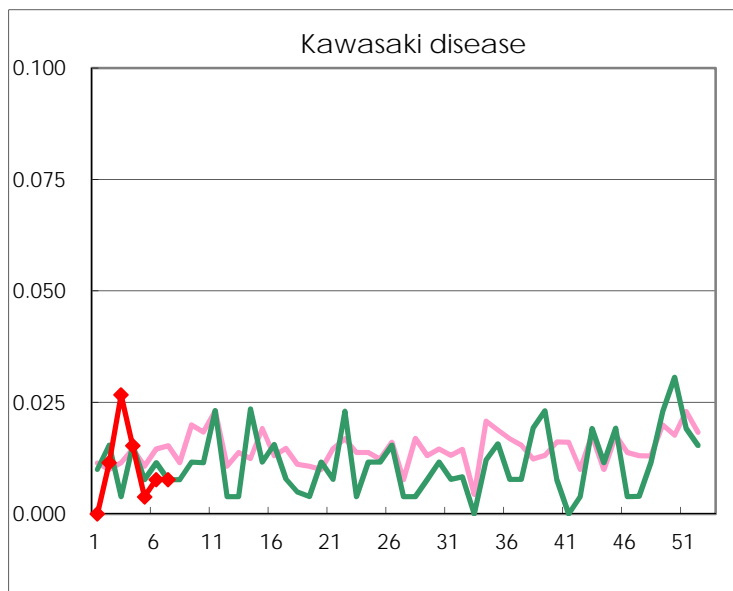
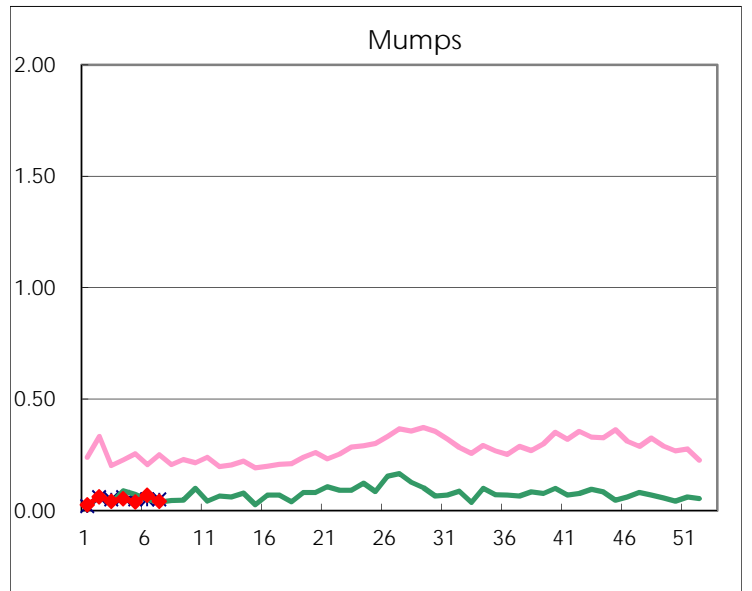
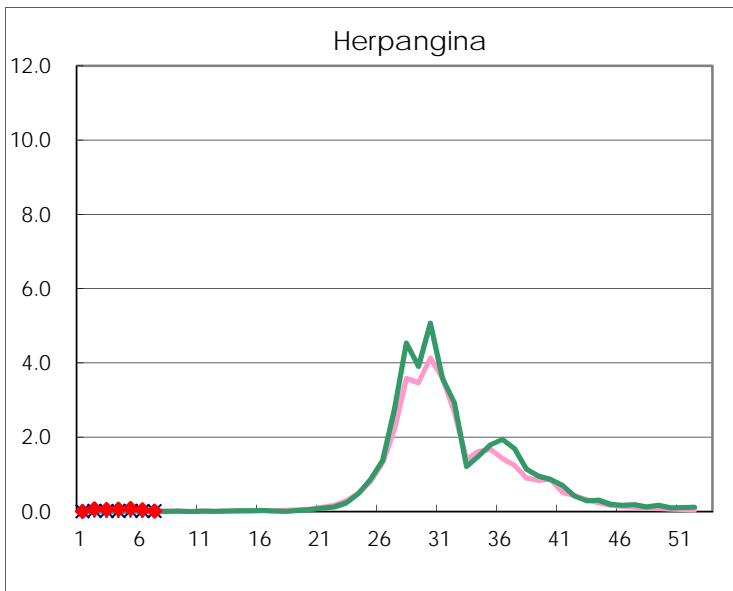
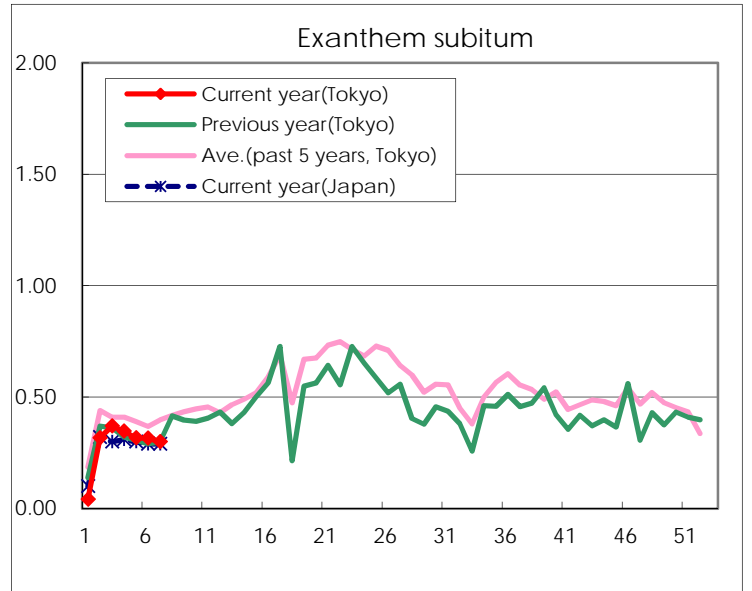
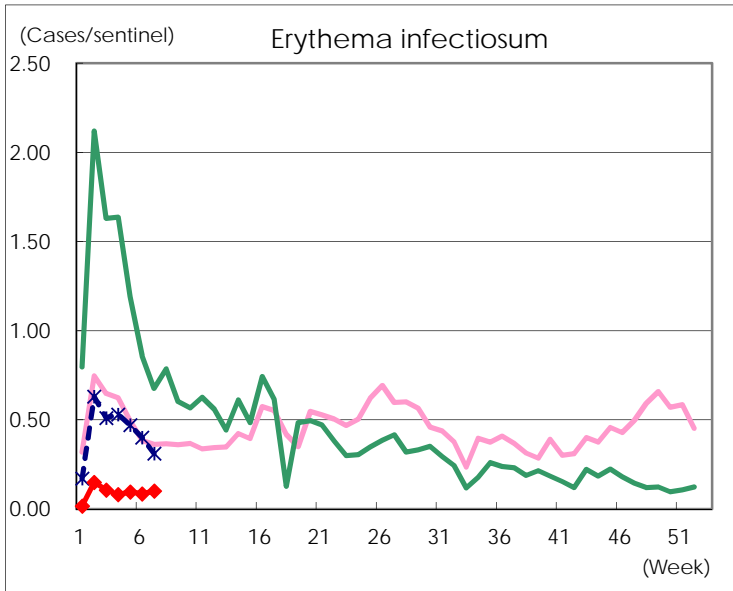
Number of patients with the diseases to be reported
by the designated clinics and hospitals

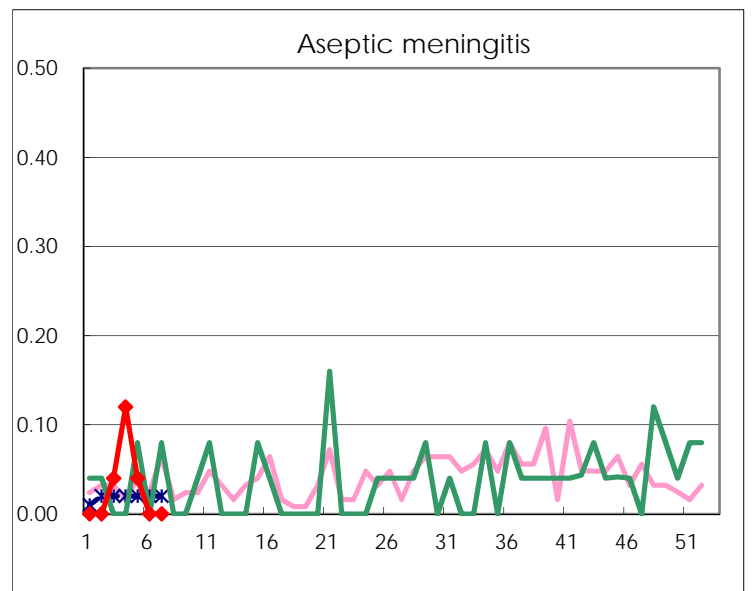
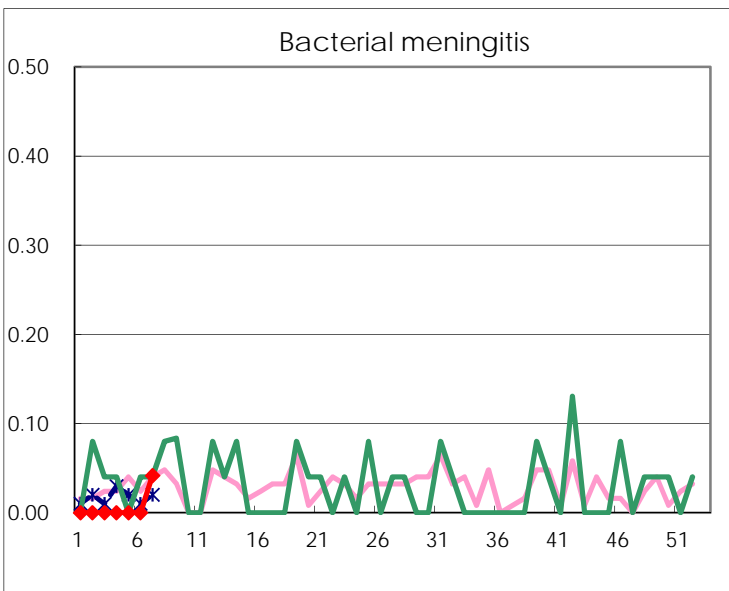
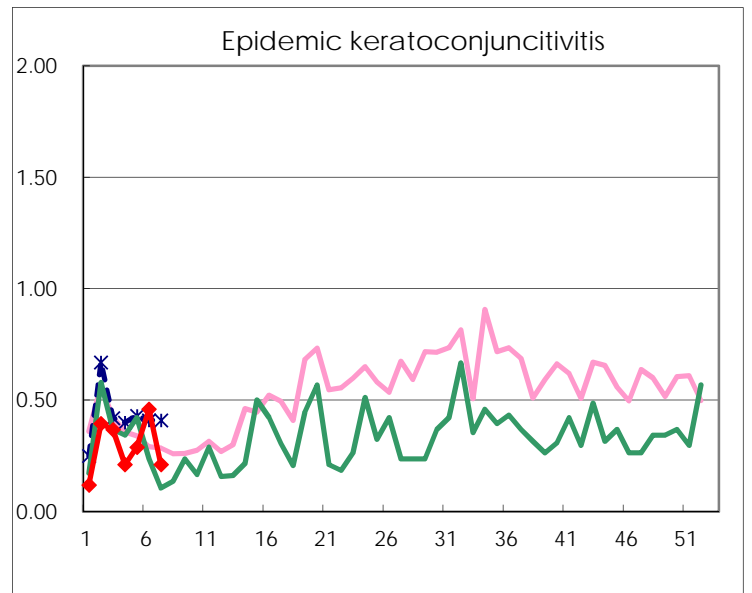
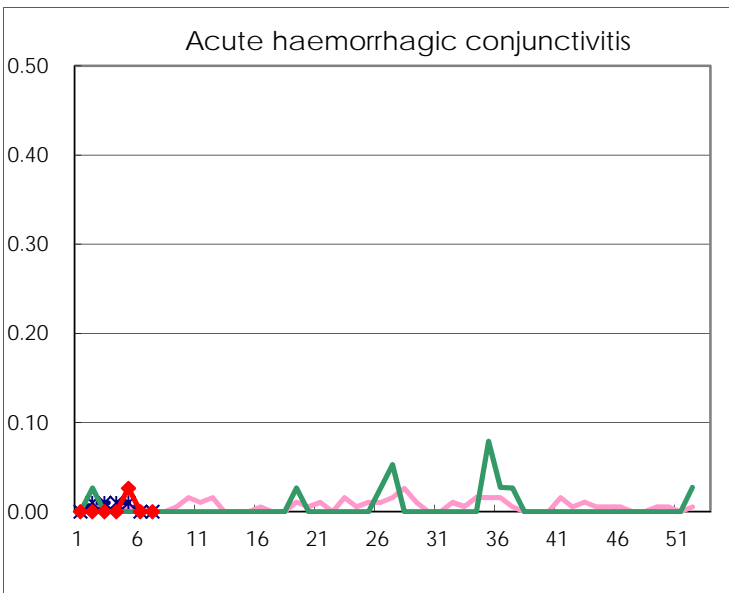
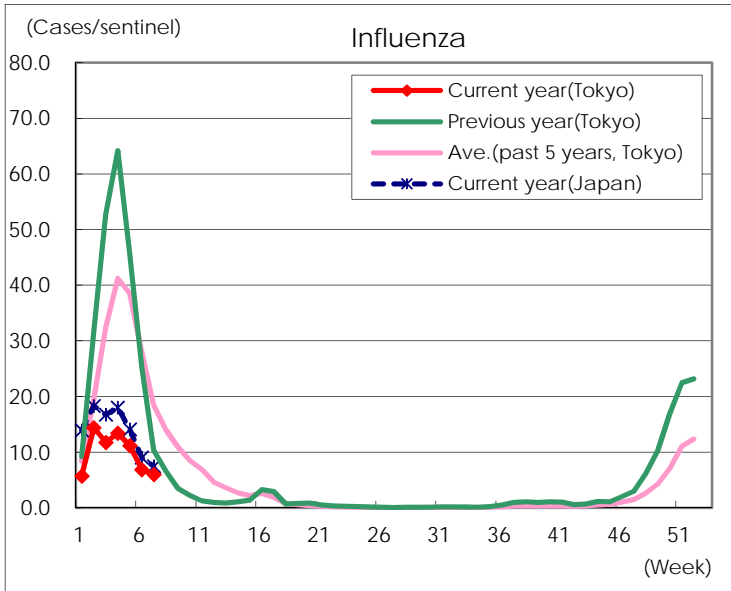
Diseases	Tokyo				
	4th	5th	6th	7th	/sentinel
Respiratory syncytial virus infection	44	61	49	54	0.21
Pharyngoconjunctival fever	58	63	68	69	0.27
Group A streptococcal pharyngitis	870	967	947	892	3.43
Infectious gastroenteritis	2,402	2,243	2,117	1,851	7.12
Chickenpox	138	100	113	130	0.50
Hand, foot, and mouth disease	20	46	24	24	0.09
Erythema infectiosum	21	25	22	26	0.10
Exanthem subitum	91	83	82	78	0.30
Herpangina	19	22	13	5	0.02
Mumps	14	10	18	11	0.04
Kawasaki disease	4	1	2	2	0.01
Cold with exanthems	9	11	6	11	0.04
Influenza	5,586	4,653	2,830	2,479	5.99
Acute hemorrhagic conjunctivitis		1			
Epidemic keratoconjunctivitis	8	11	17	8	0.21
Bacterial meningitis				1	0.04
Aseptic meningitis	3	1			
Mycoplasma pneumonia	16	8	5	5	0.21
Chlamydial pneumonia (excluding psittacosis)	1			1	0.04
Infectious gastroenteritis (only by Rotavirus)					
Influenza-Associated Hospitalizations	56	39	16	10	0.42

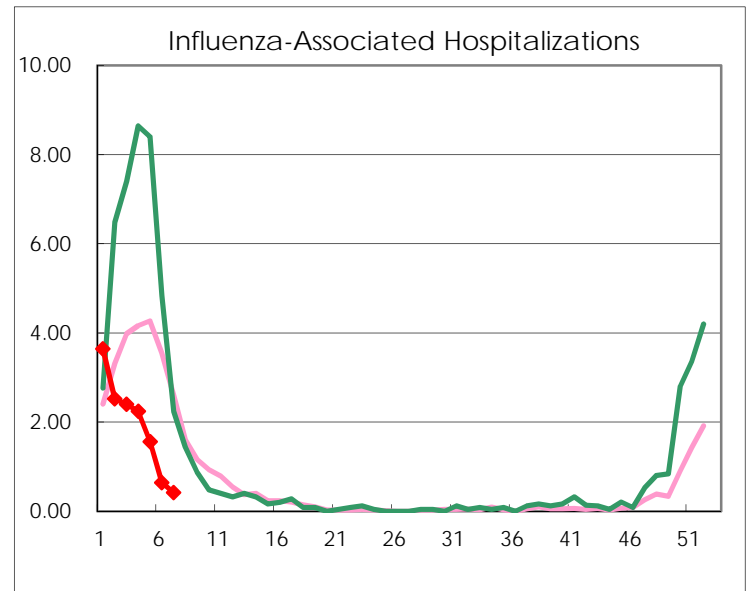
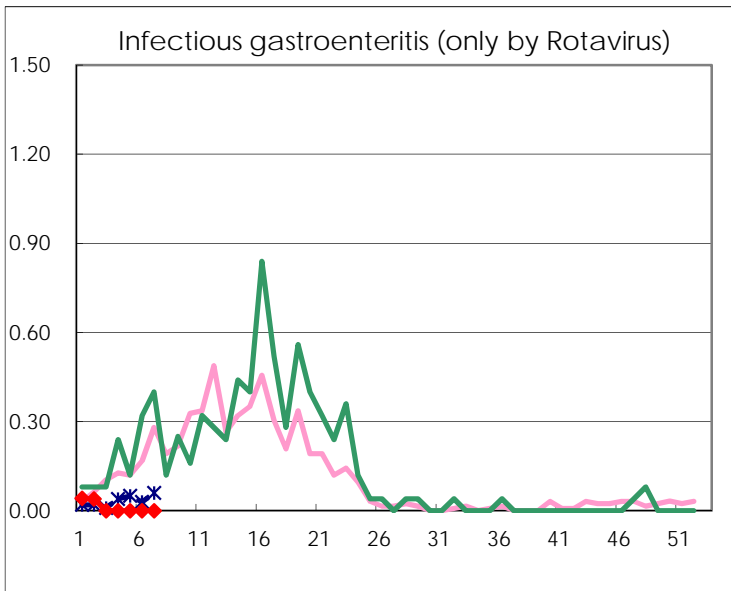
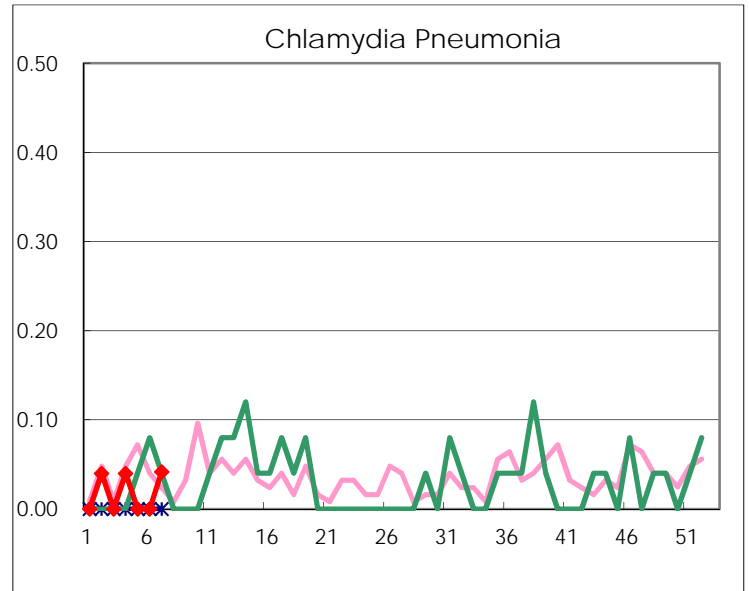
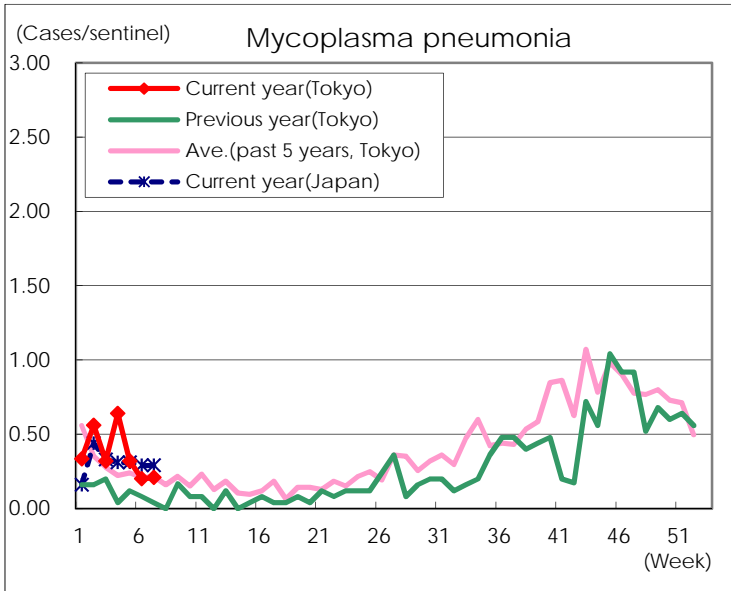
(Blank means 0.)

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	38
Specially-designated	25	24