

27 February 2020 / 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 2020	8th	Cum 2020
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	46	51	33	37	344	274	2,417
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
※	Novel Coronavirus 2019 infection		11	20	18	49	80	431
III	Cholera							
	Shigellosis	1	2			7		16
	Enterohemorrhagic Escherichia coli infection	3	2		4	17	19	178
	Typhoid fever		1			1	2	6
	Paratyphoid fever	1				1		1
IV	Hepatitis E	3	3	7		21	10	82
	West Nile fever							
	Hepatitis A	1		4	1	13	4	31
	Echinococcosis							4
	Yellow fever							
	Psittacosis							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							4
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							2
	Scrub typhus(Tsutsugamushi disease)					4	1	55
	Dengue fever				1	6	2	24
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever						1	4
	Japanese encephalitis							1
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							1
	Venezuelan equine encephalitis							
	Hendra virus infection							
Epidemic typhus								
Botulism								
Malaria			1		3		7	
Tularemia								
Lyme disease							1	
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	3		1	1	11	20	211	
Leptospirosis							1	
Rocky mountain spotted fever								

Category	Diseases	Tokyo					Japan	
		5th	6th	7th	8th	Cum 2020	8th	Cum 2020
V	Amebiasis	7	2	3	2	23	7	77
	Viral hepatitis(excluding hepatitis A and E)	1		2	2	6	5	32
	CRE infection	2		4	5	17	25	216
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)		1			1		5
	Acute encephalitis(excluding JE and WNE)	1			1	13	8	178
	Cryptosporidiosis							1
	Creutzfeldt-Jakob disease		1	1		2	1	17
	Severe invasive streptococcal infections(TSLS)	1	3	2	3	18	11	148
	Acquired immunodeficiency syndrome (AIDS)	9	9	4	9	51	7	135
	Giardiasis	1				1		4
	Invasive <i>Haemophilus influenzae</i> disease	1		2	1	10	3	94
	Invasive meningococcal disease					1		8
	Invasive pneumococcal disease	5	5	8	3	56	34	469
	Varicella (limited to hospitalized case)	1	1	2	1	12	4	69
	Congenital rubella syndrome							1
	Syphilis	33	32	20	25	206	53	757
	Disseminated cryptococcosis	1				1		16
	Tetanus					1		9
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection				1	1	5	19
Pertussis	15	21	20	9	119	108	1,217	
Rubella	3	3	3		12	4	49	
Measles					1	1	5	
MDRA infection						1	2	

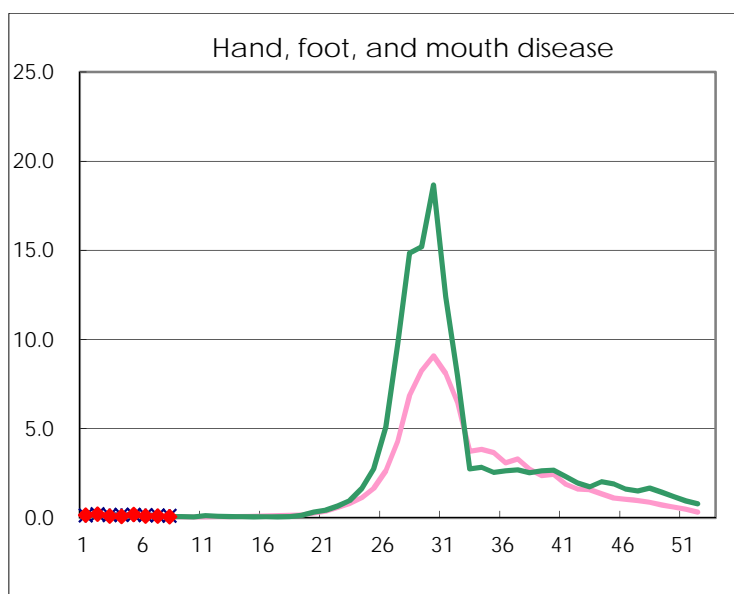
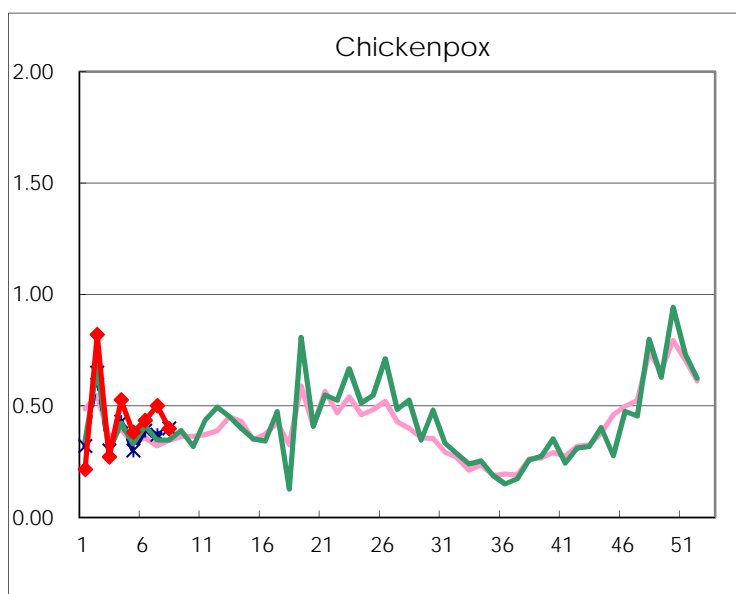
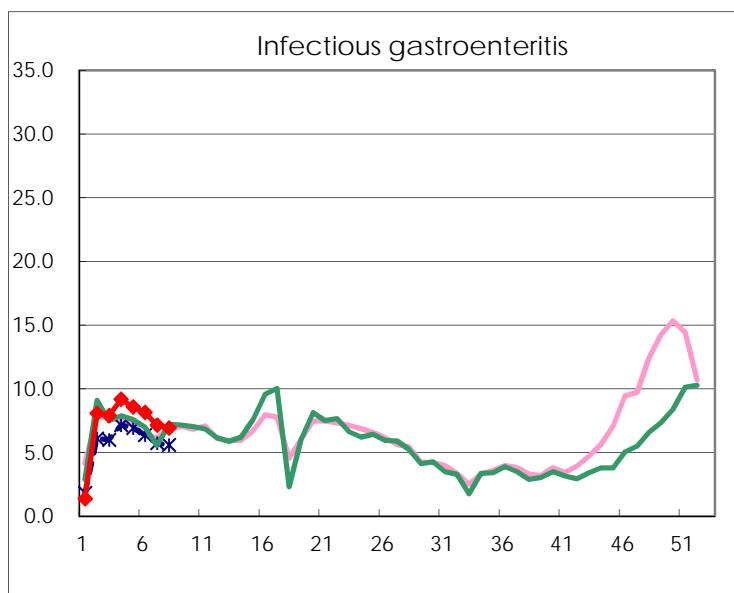
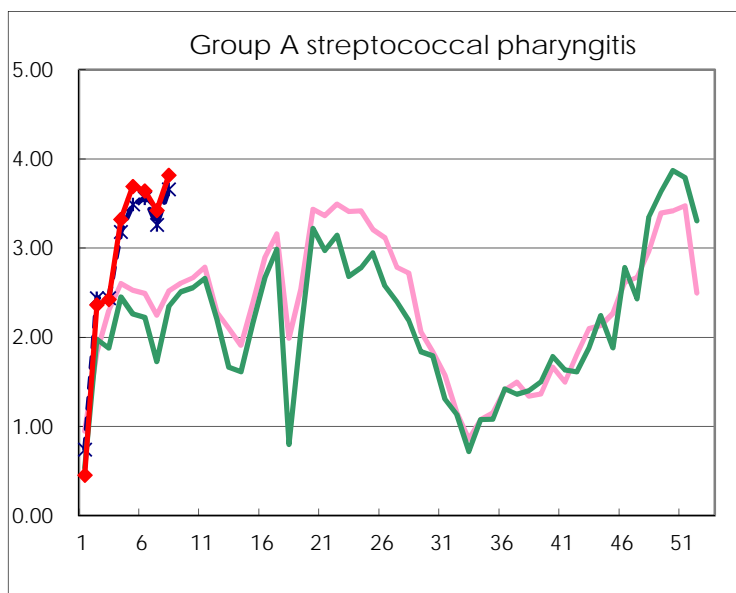
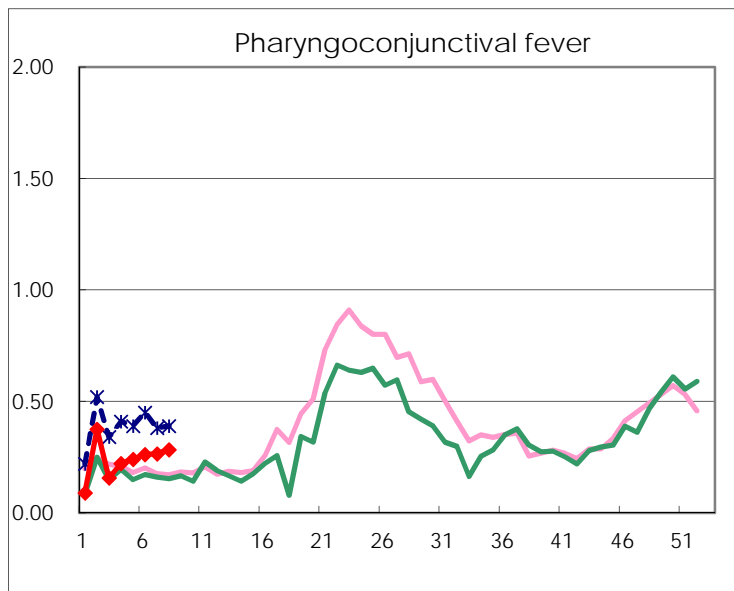
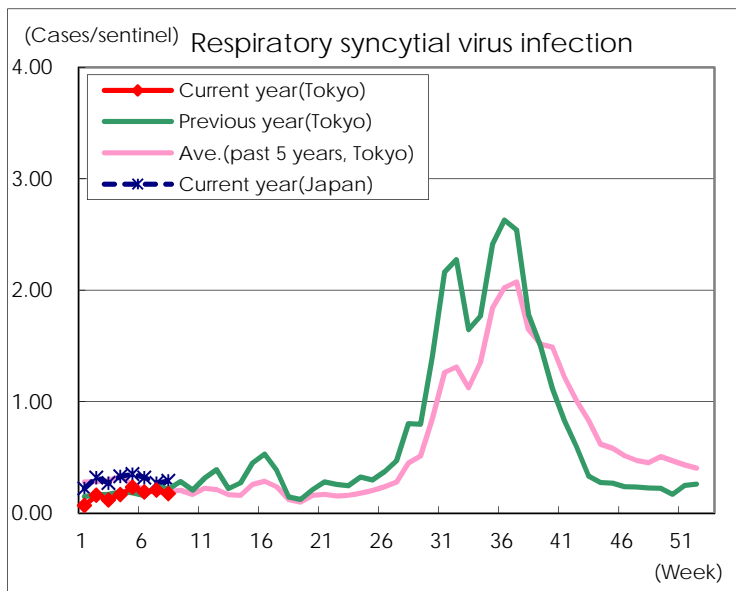
※ Designated infectious disease

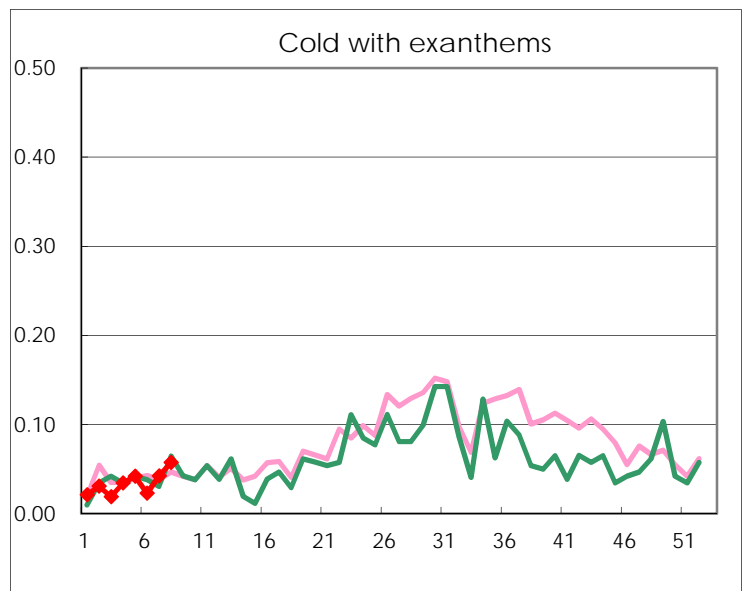
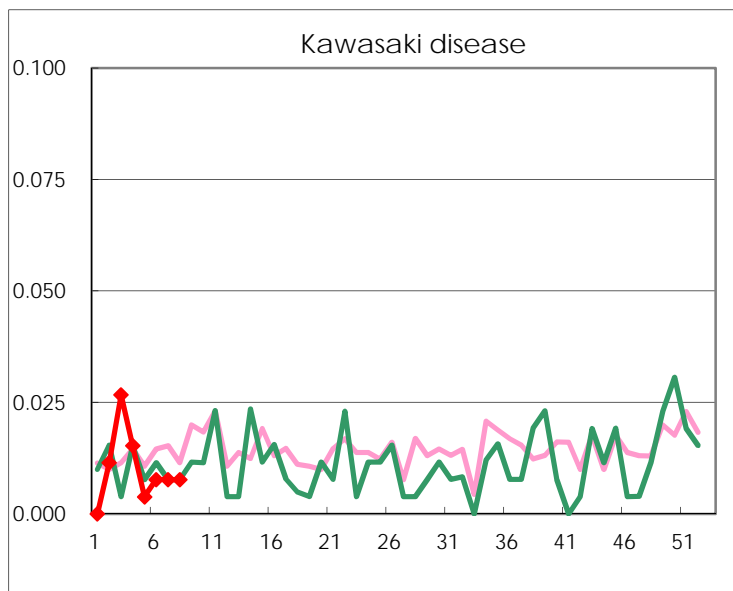
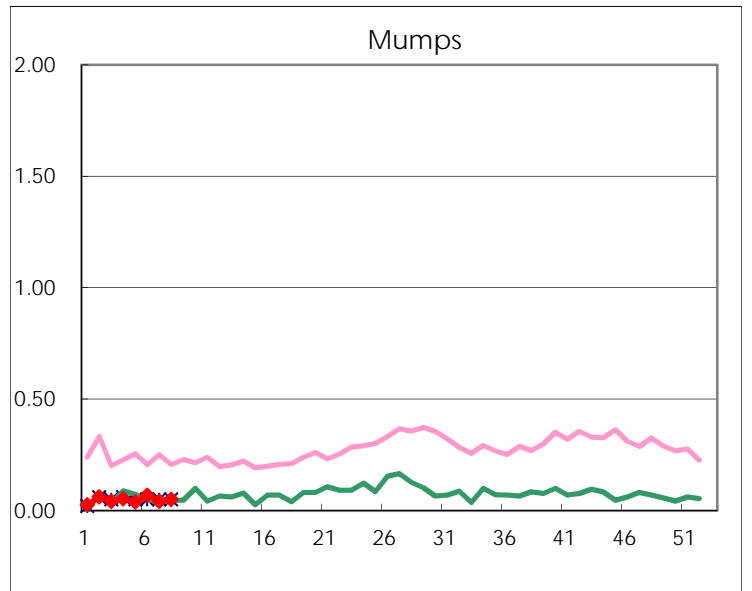
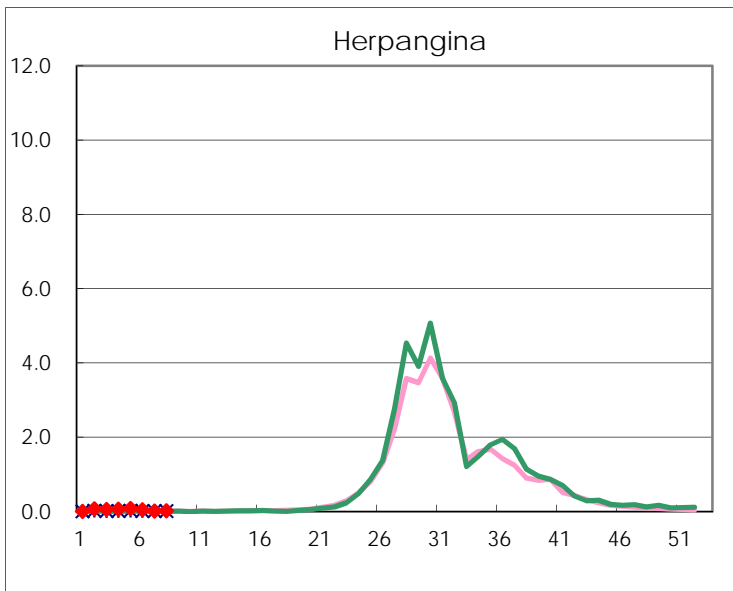
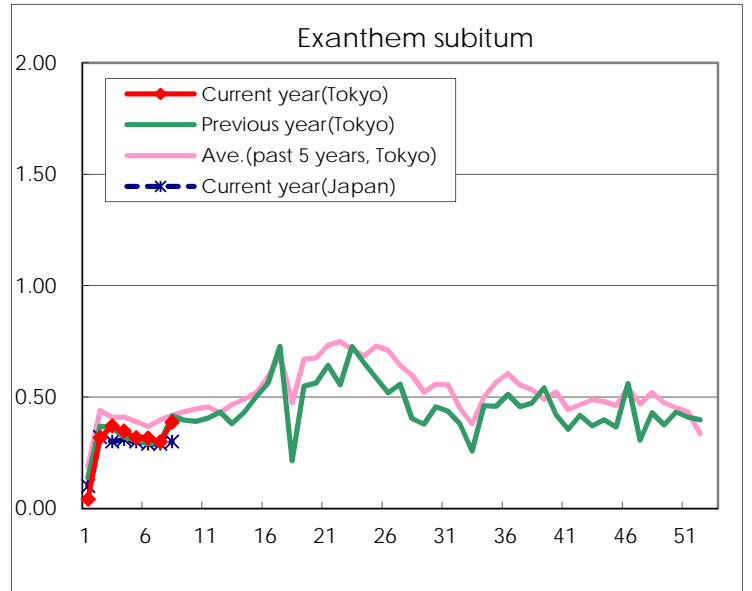
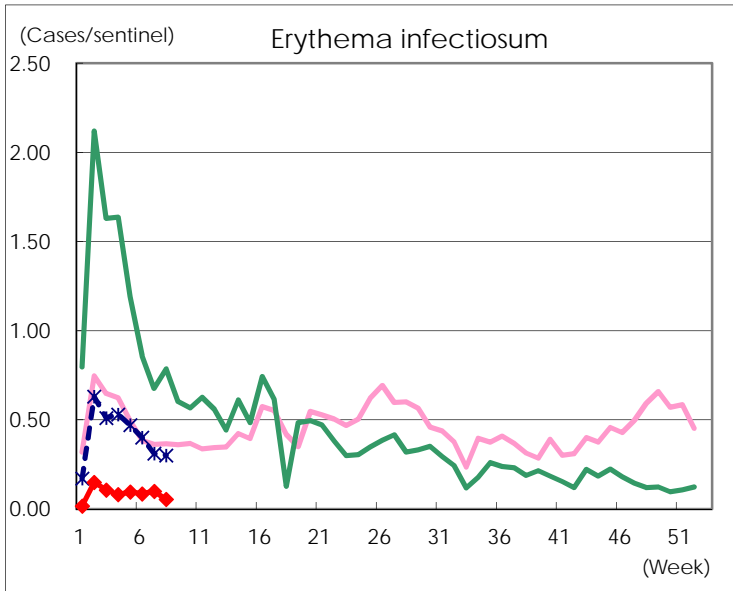
Number of patients with the diseases to be reported
by the designated clinics and hospitals

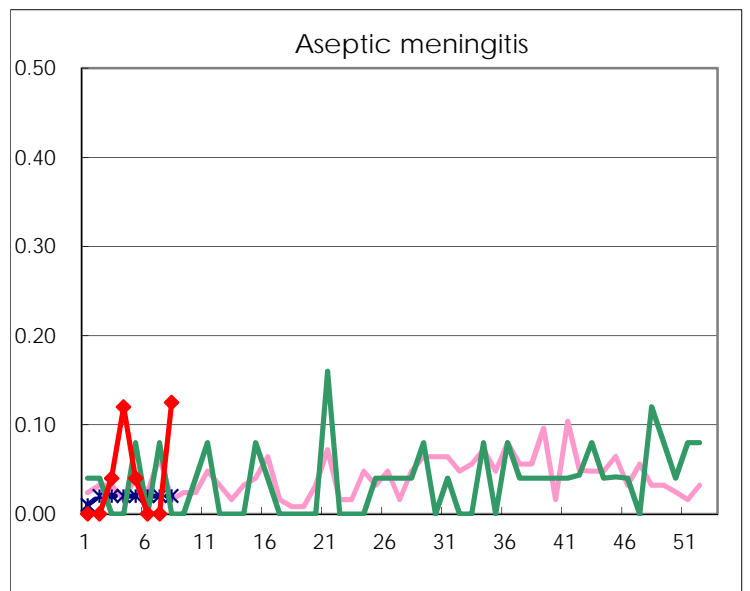
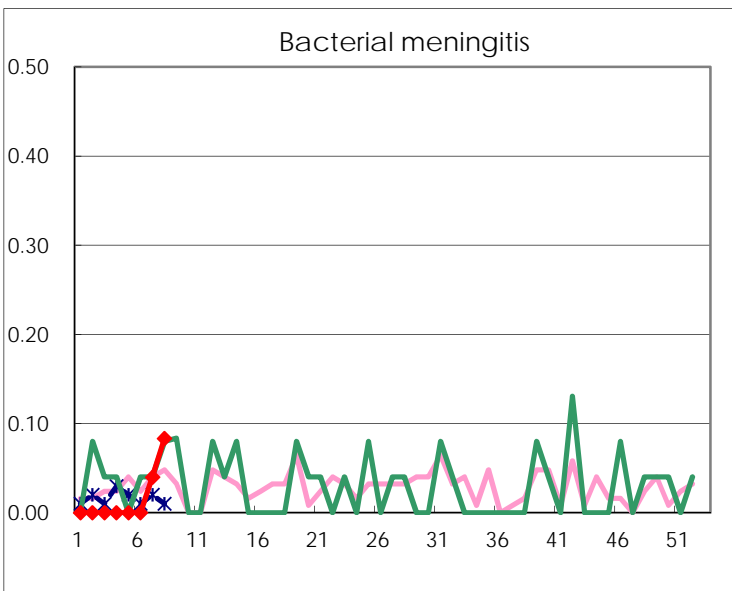
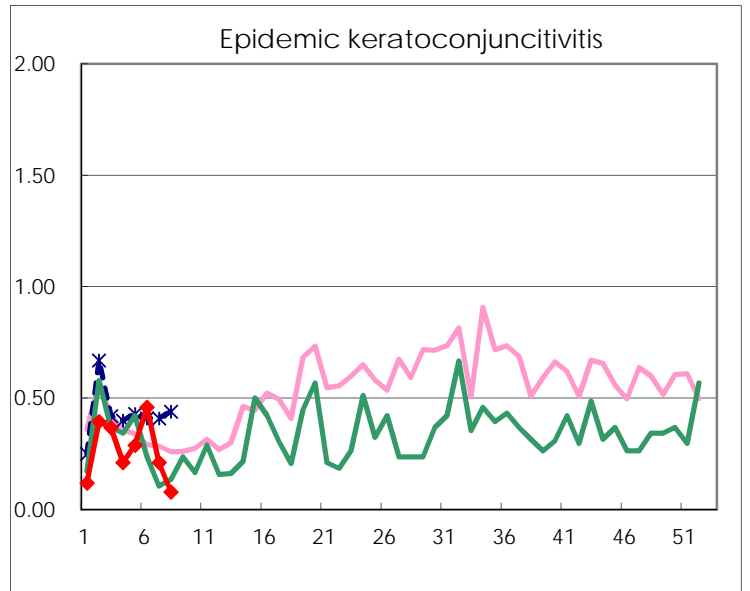
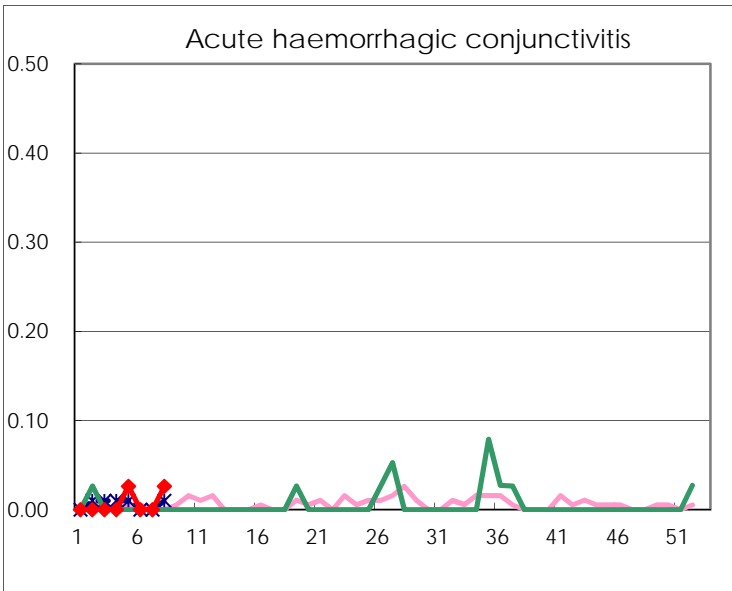
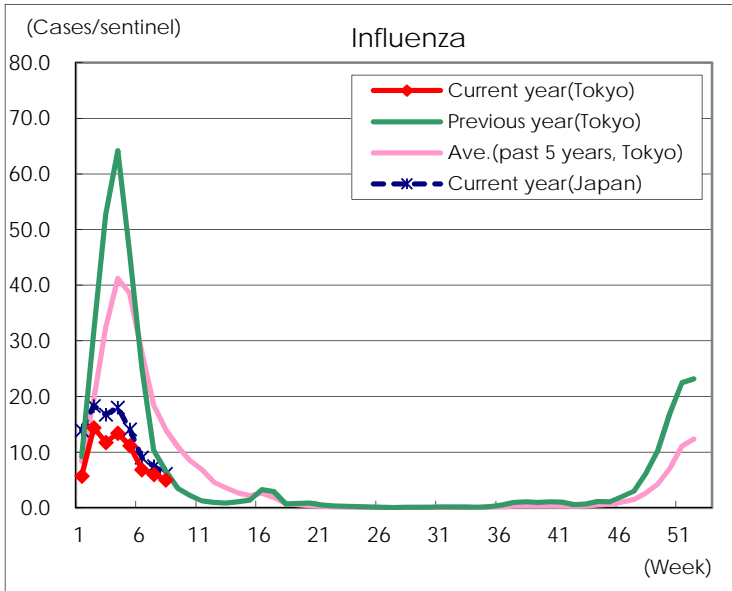
Diseases	Tokyo				
	5th	6th	7th	8th	/sentinel
Respiratory syncytial virus infection	61	49	54	46	0.18
Pharyngoconjunctival fever	63	68	69	74	0.28
Group A streptococcal pharyngitis	967	947	893	996	3.82
Infectious gastroenteritis	2,243	2,117	1,863	1,802	6.90
Chickenpox	100	113	131	104	0.40
Hand, foot, and mouth disease	46	24	24	15	0.06
Erythema infectiosum	25	22	26	14	0.05
Exanthem subitum	83	82	78	101	0.39
Herpangina	22	13	5	6	0.02
Mumps	10	18	11	13	0.05
Kawasaki disease	1	2	2	2	0.01
Cold with exanths	11	6	11	15	0.06
Influenza	4,653	2,830	2,480	2,077	5.04
Acute hemorrhagic conjunctivitis	1			1	0.03
Epidemic keratoconjunctivitis	11	17	8	3	0.08
Bacterial meningitis			1	2	0.08
Aseptic meningitis	1			3	0.13
Mycoplasma pneumonia	8	5	6	7	0.29
Chlamydial pneumonia (excluding psittacosis)			3	3	0.13
Infectious gastroenteritis (only by Rotavirus)					
Influenza-Associated Hospitalizations	39	16	11	7	0.29

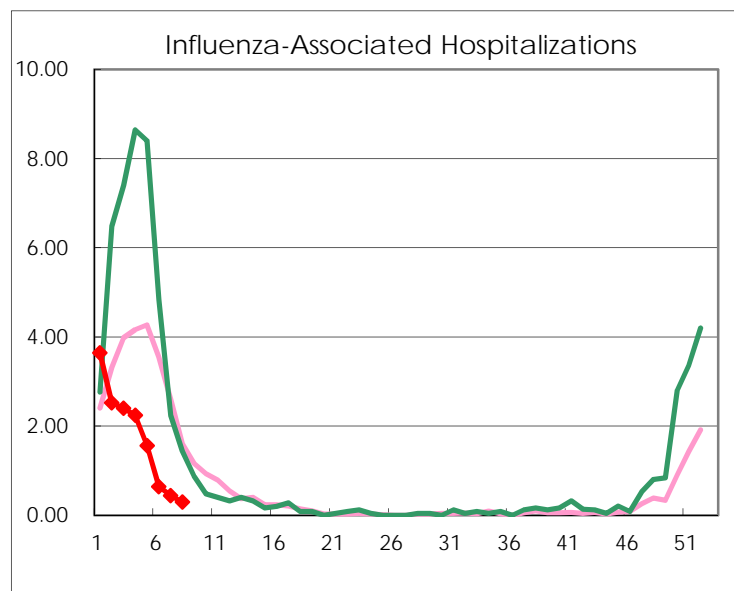
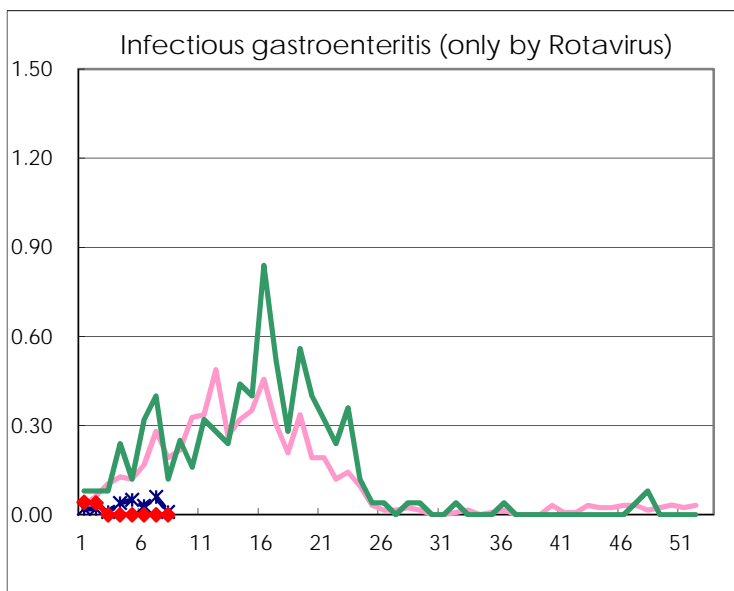
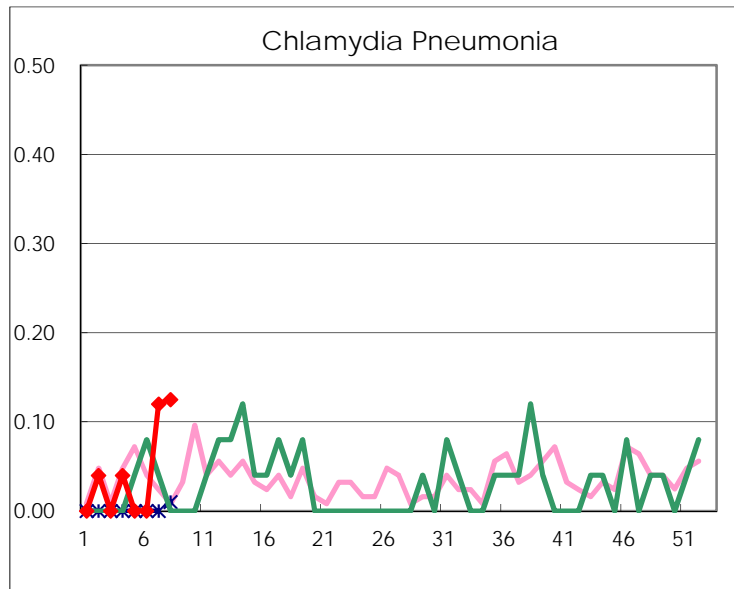
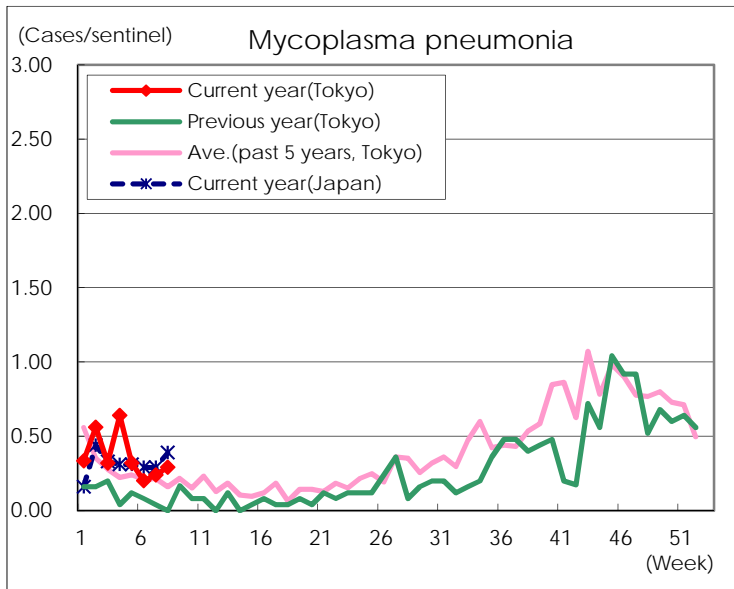
(Blank means 0.)

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	412
Ophthalmic	39	38
Specially-designated	25	24