

23 January 2020 / Number 3

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	
		52nd	1st	2nd	3rd	Cum 2020	3rd	Cum 2020
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	69	3	62	50	115	286	707
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							1
	Shigellosis				3	3	6	8
	Enterohemorrhagic Escherichia coli infection	5	1		3	4	24	45
	Typhoid fever						1	2
	Paratyphoid fever							
IV	Hepatitis E	1		5	2	7	11	22
	West Nile fever							
	Hepatitis A	2		4		4		10
	Echinococcosis						1	1
	Yellow fever							
	Psittacosis						1	1
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome							1
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							1
	Scrub typhus(Tsutsugamushi disease)	1		2		2	10	38
	Dengue fever			2	2	4	4	11
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							2
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
	Malaria	1		1		1	1	3
	Tularemia							
	Lyme disease						1	1
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis	4		2	2	4	19	77
	Leptospirosis							
	Rocky mountain spotted fever							

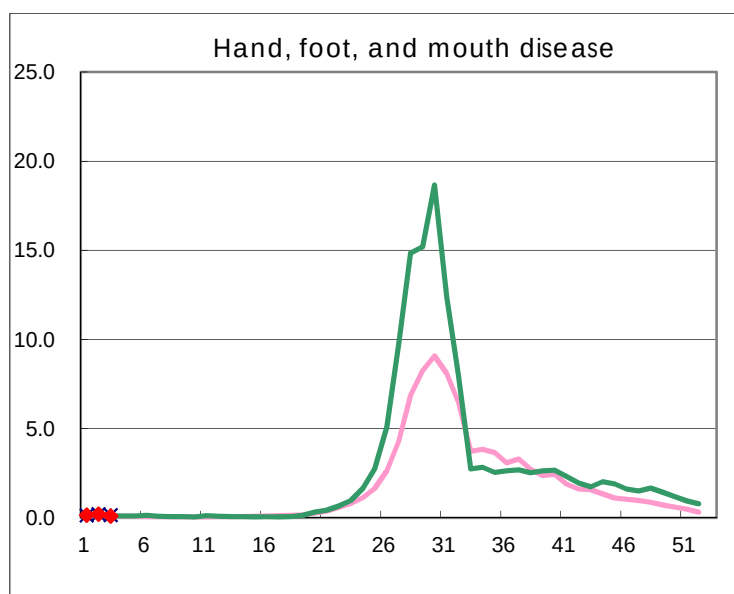
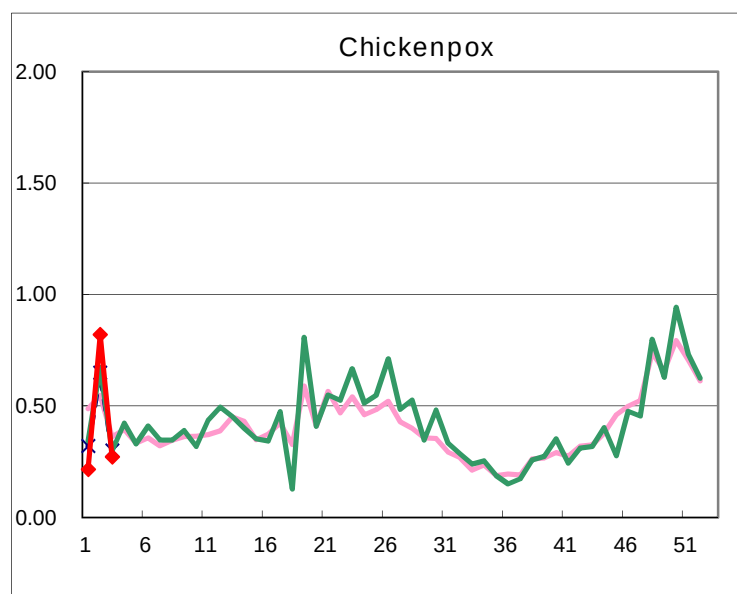
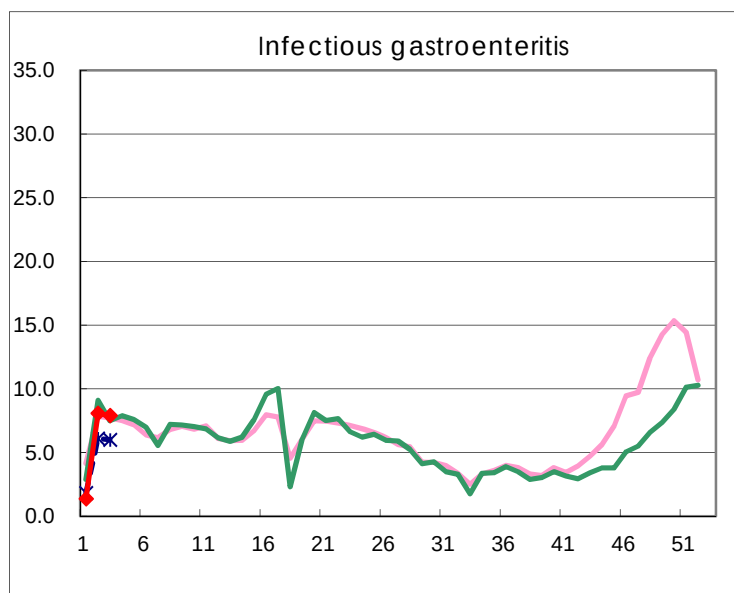
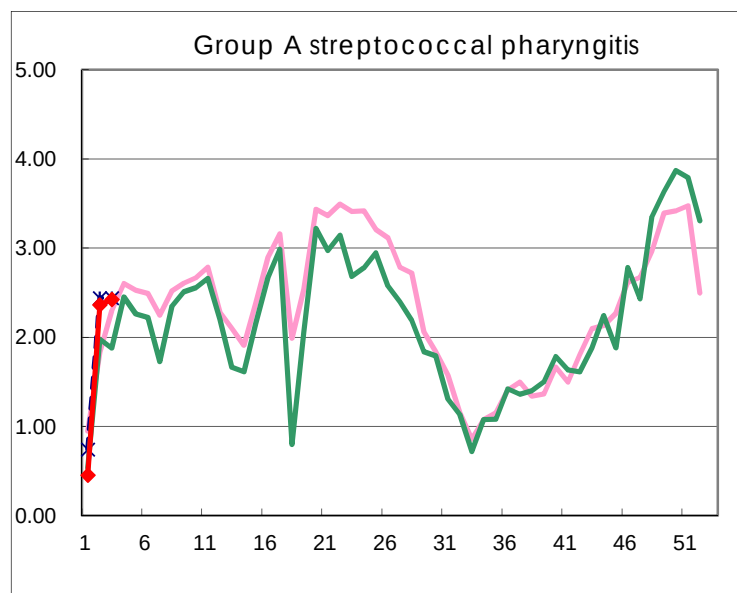
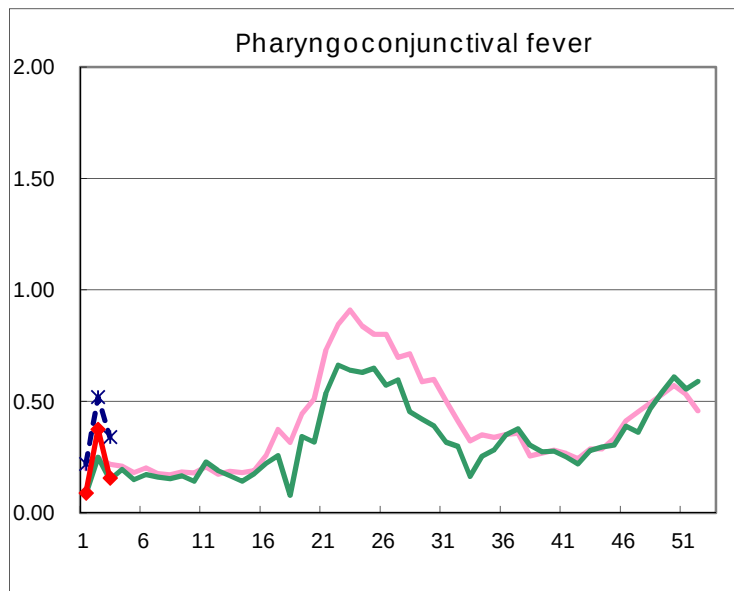
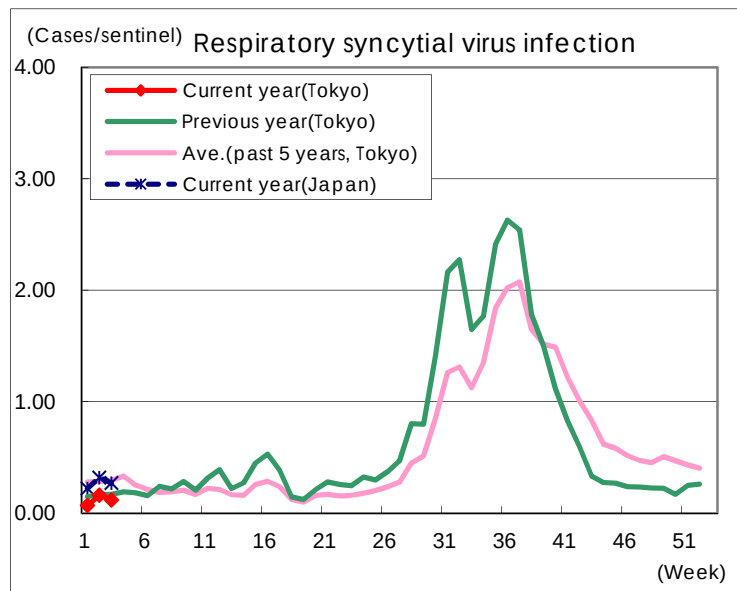
Category	Diseases	Tokyo					Japan	
		52nd	1st	2nd	3rd	Cum 2020	3rd	Cum 2020
V	Amebiasis	1		4	4	8	5	28
	Viral hepatitis(excluding hepatitis A and E)	1					3	4
	CRE infection	7		4		4	13	62
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)							1
	Acute encephalitis(excluding JE and WNE)	1		5	4	9	14	74
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease	2					1	3
	Severe invasive streptococcal infections(TSLS)	5		3	2	5	12	58
	Acquired immunodeficiency syndrome (AIDS)	16		2	5	7	7	24
	Giardiasis	1					1	1
	Invasive <i>Haemophilus influenzae</i> disease	3	2	3	1	6	11	42
	Invasive meningococcal disease			1		1	3	5
	Invasive pneumococcal disease	16		21	11	32	42	208
	Varicella (limited to hospitalized case)	3		1		1	3	21
	Congenital rubella syndrome							1
	Syphilis	34		33	31	64	76	195
	Disseminated cryptococcosis						1	3
	Tetanus							4
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						1	2
	Pertussis	10		9	17	26	125	328
	Rubella				1	1	8	21
	Measles							2
	MDRA infection							

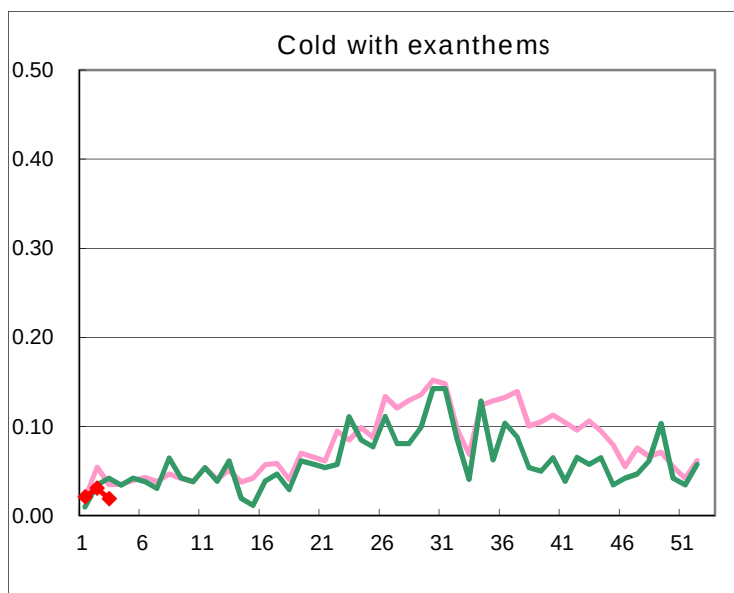
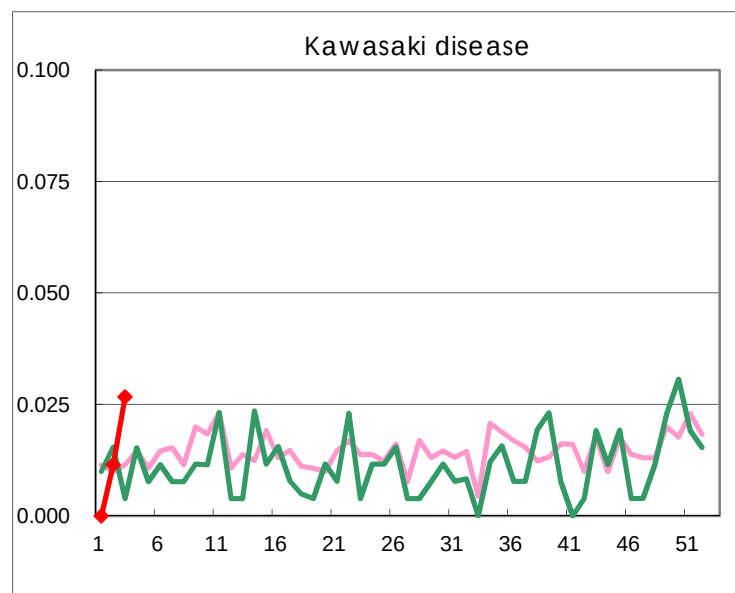
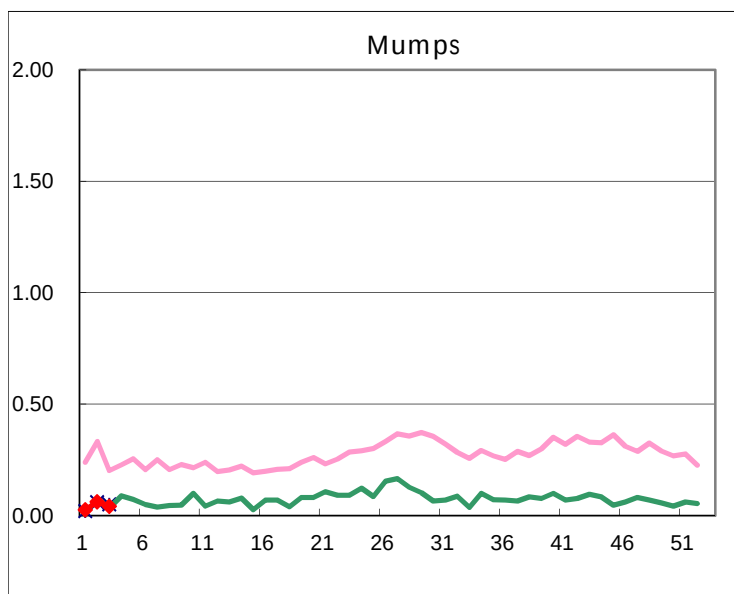
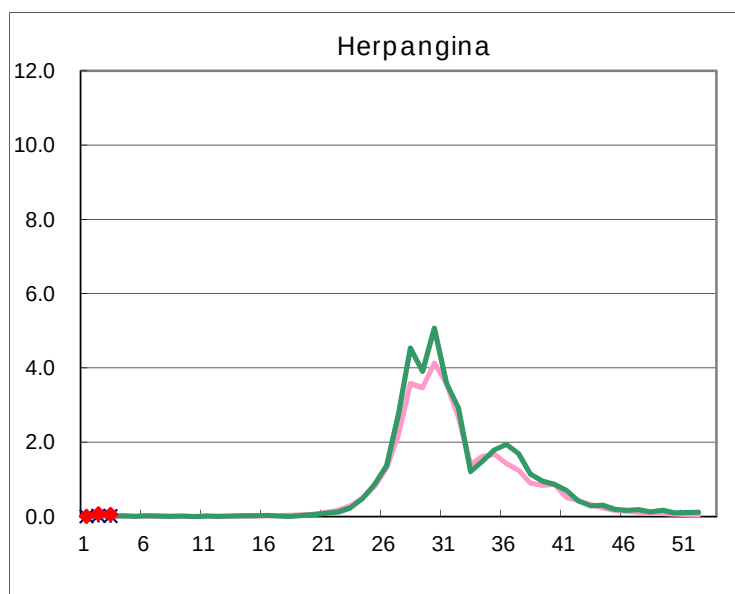
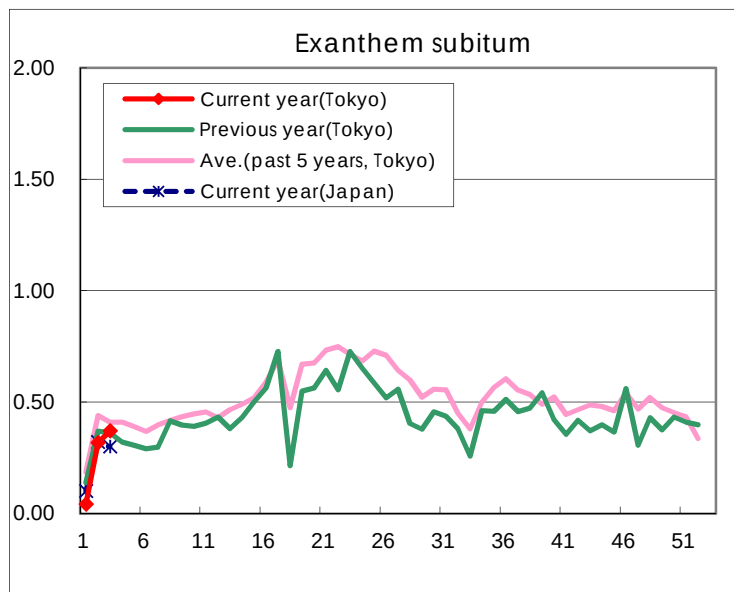
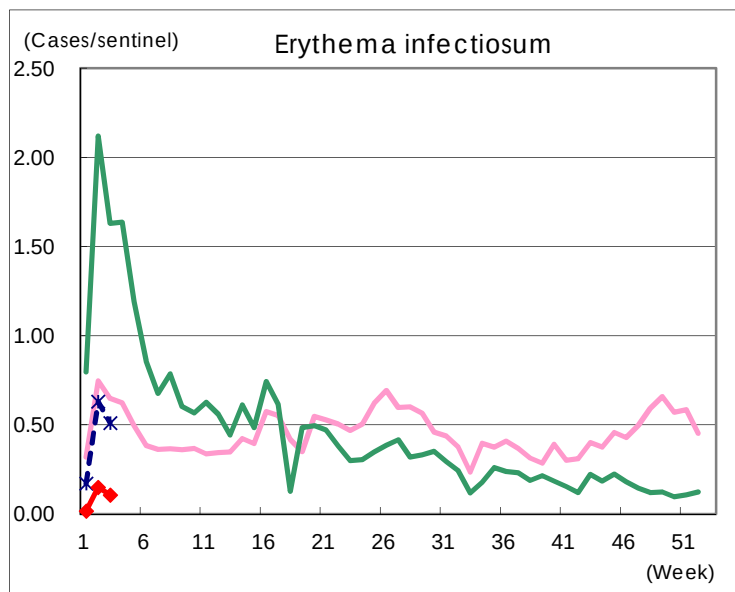
Number of patients with the diseases to be reported
by the designated clinics and hospitals

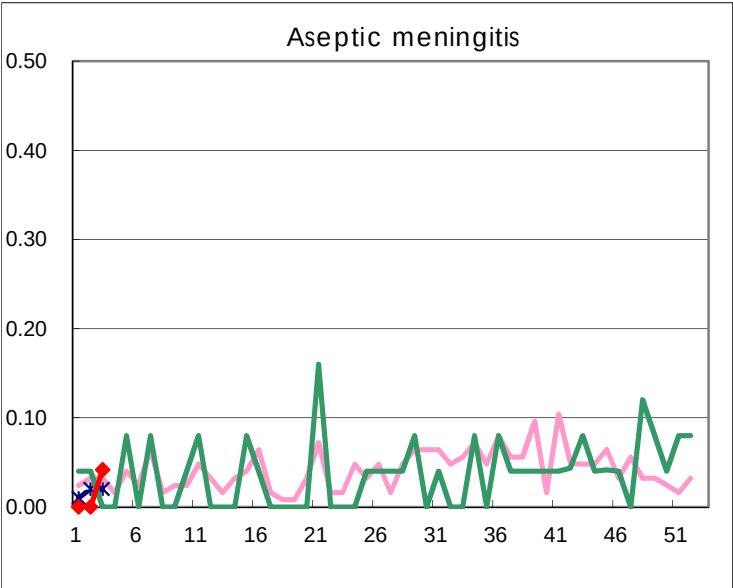
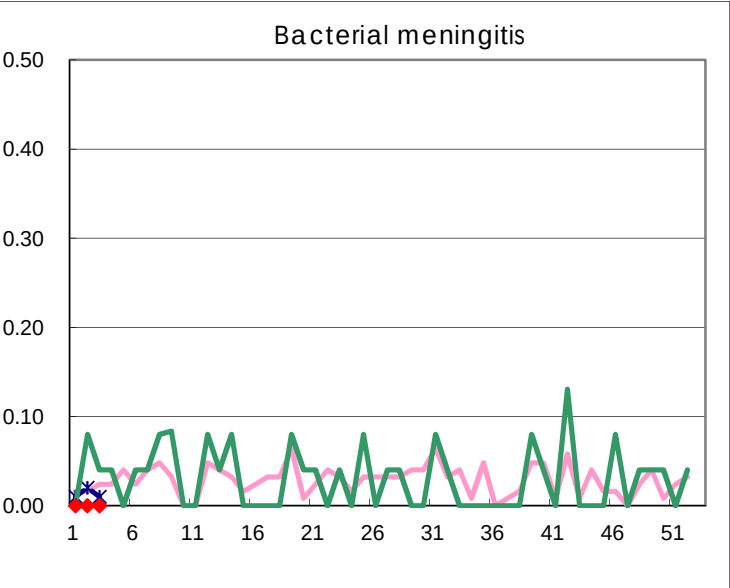
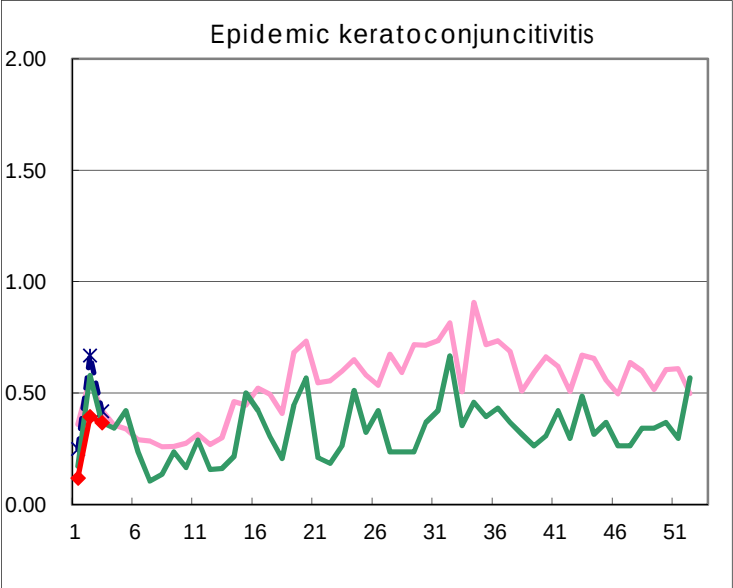
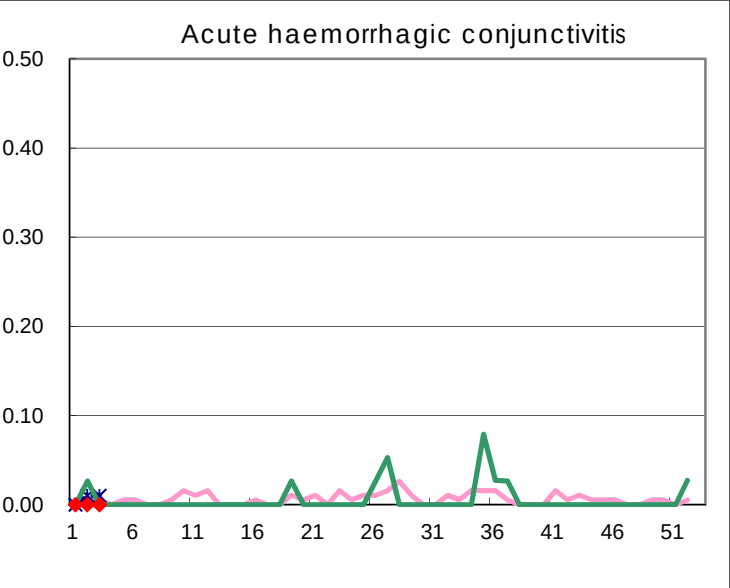
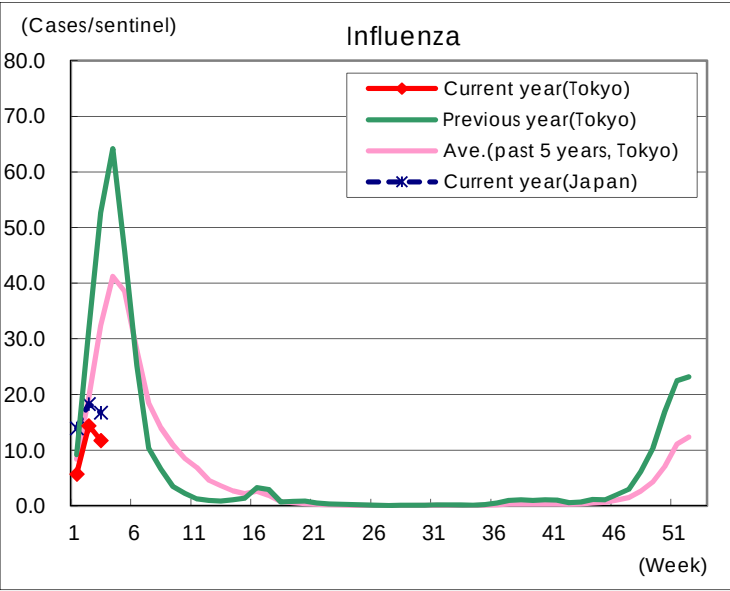
Diseases	Tokyo				
	52nd	1st	2nd	3rd	/sentinel
Respiratory syncytial virus infection	68	13	42	31	0.12
Pharyngoconjunctival fever	154	17	98	41	0.16
Group A streptococcal pharyngitis	863	86	617	635	2.42
Infectious gastroenteritis	2,683	256	2,104	2,065	7.88
Chickenpox	163	41	214	71	0.27
Hand, foot, and mouth disease	203	27	53	26	0.10
Erythema infectiosum	32	3	39	28	0.11
Exanthem subitum	104	8	83	97	0.37
Herpangina	31	1	20	15	0.06
Mumps	14	5	16	11	0.04
Kawasaki disease	4		3	7	0.03
Cold with exanthems	15	4	8	5	0.02
Influenza	9,622	1,787	6,000	4,876	11.75
Acute hemorrhagic conjunctivitis	1				
Epidemic keratoconjunctivitis	21	3	15	14	0.37
Bacterial meningitis	1				
Aseptic meningitis	2			1	0.04
Mycoplasma pneumonia	14	8	14	8	0.33
Chlamydial pneumonia (excluding psittacosis)	2		1		
Infectious gastroenteritis (only by Rotavirus)		1	1		
Influenza-Associated Hospitalizations	105	91	63	52	2.17

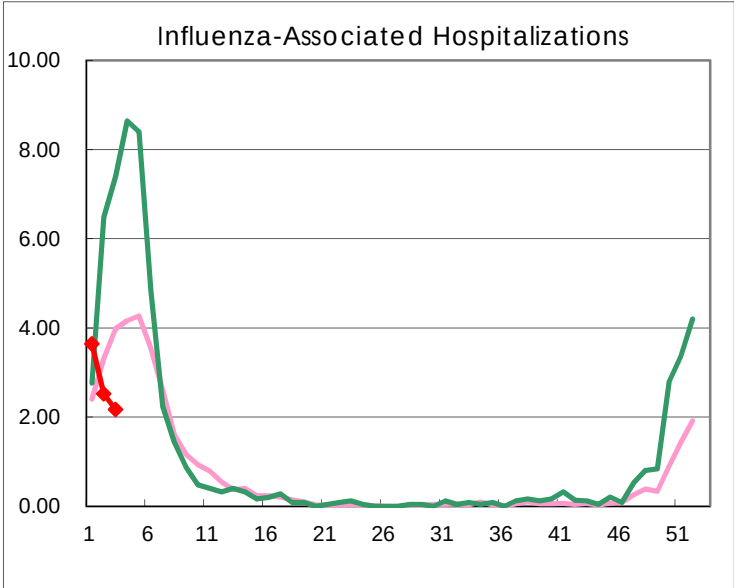
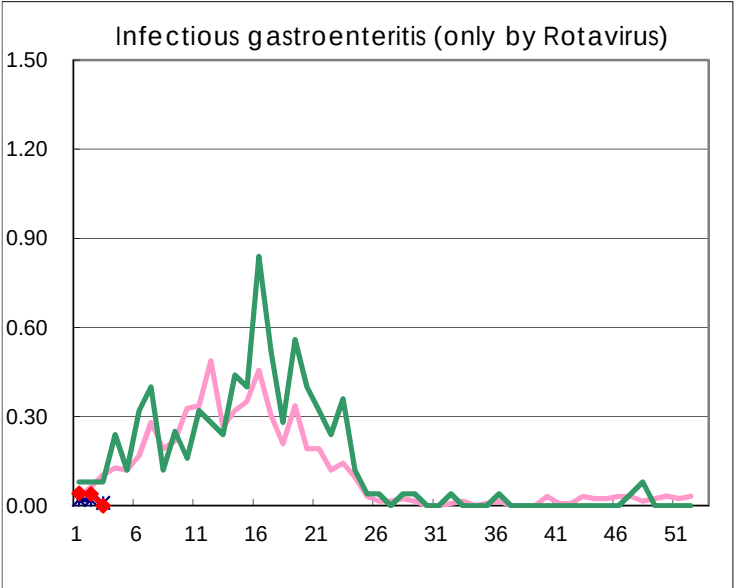
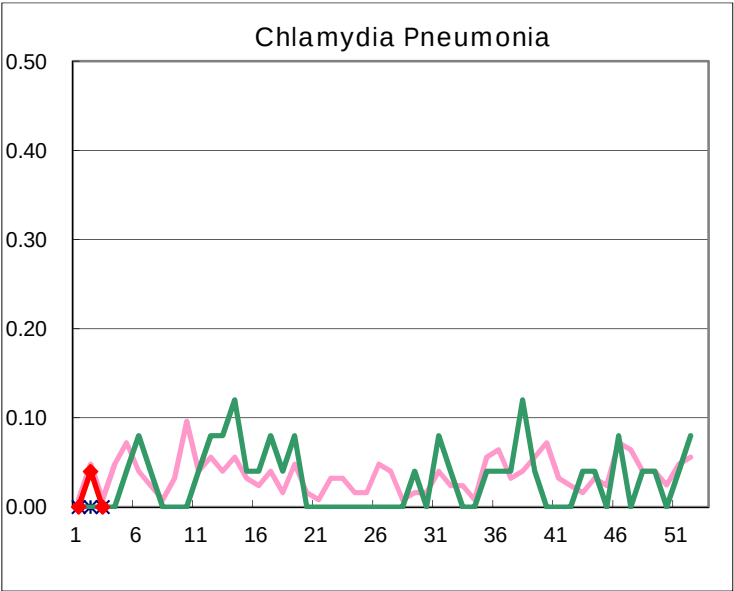
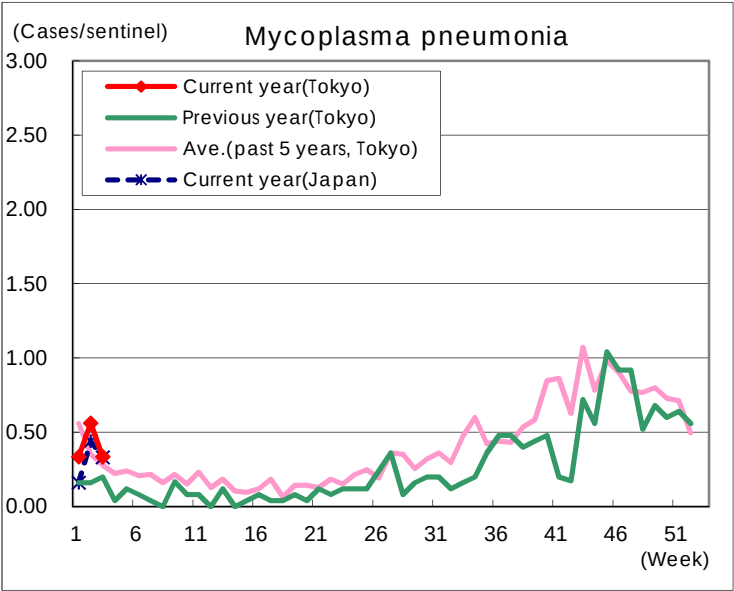
(Blank means 0.)

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	262
Influenza	419	415
Ophthalmic	39	38
Specially-designated	25	24