

14 January 2020 / Number 1

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	
		50th	51st	52nd	1st	Cum 2020	1st	Cum 2020
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	56	36	65	3	3	31	31
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis		1					
	Enterohemorrhagic Escherichia coli infection	6		5	1	1	4	4
	Typhoid fever							
	Paratyphoid fever							
IV	Hepatitis E	3	3	1			1	1
	West Nile fever							
	Hepatitis A		1	2			2	2
	Echinococcosis							
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome							
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever		2					
	Scrub typhus(Tsutsugamushi disease)	2	4	1			1	1
	Dengue fever		2				2	2
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
	Malaria			1			2	2
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis	1	2	4			17	17
	Leptospirosis							
	Rocky mountain spotted fever							

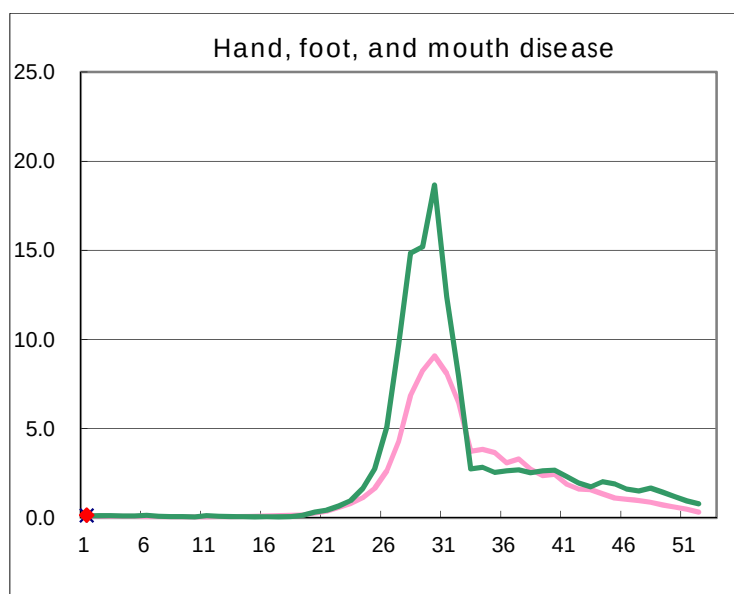
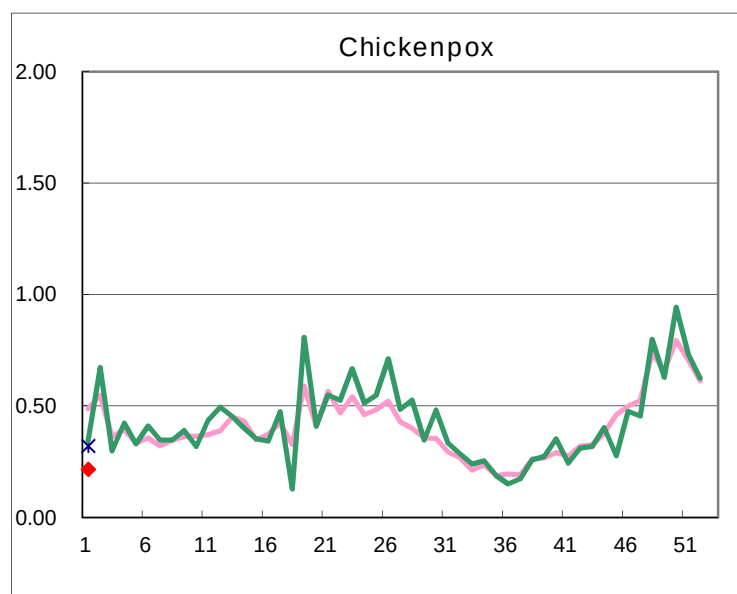
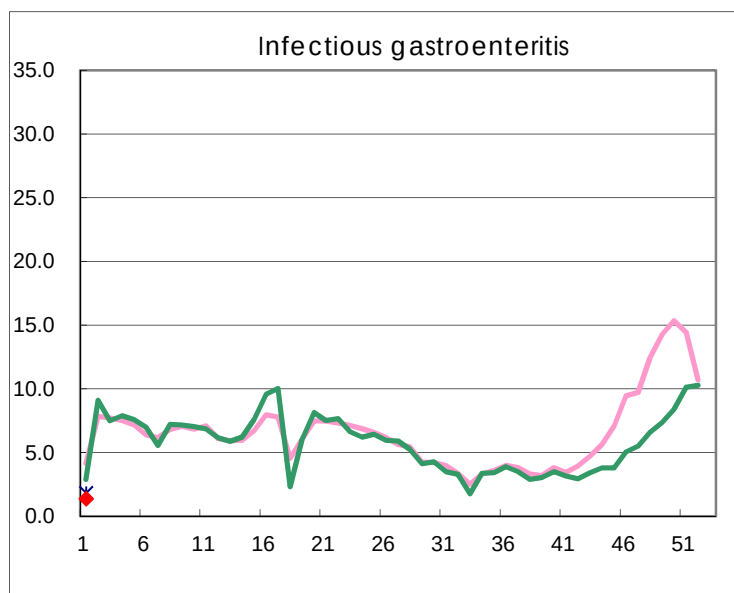
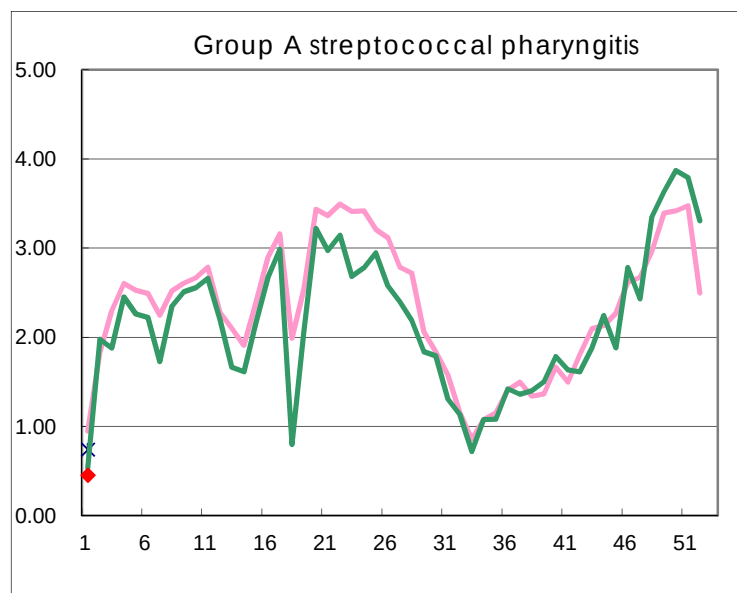
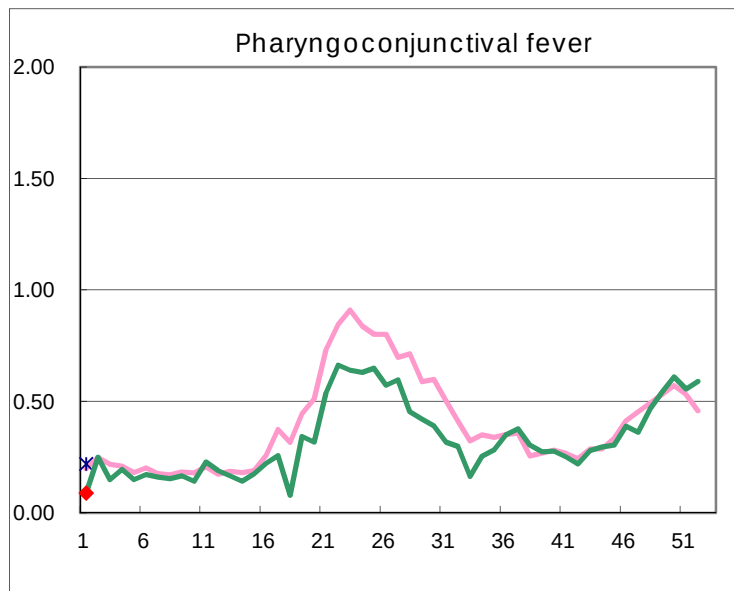
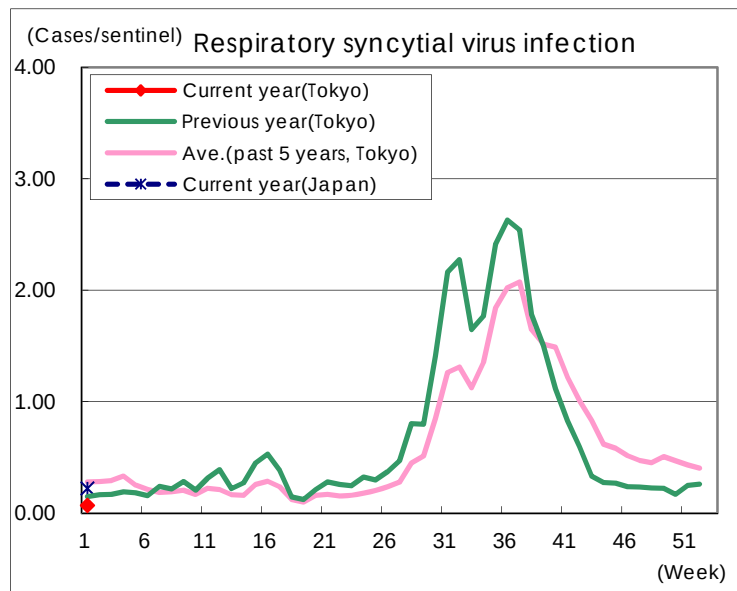
Category	Diseases	Tokyo					Japan	
		50th	51st	52nd	1st	Cum 2020	1st	Cum 2020
V	Amebiasis	2	3	1			4	4
	Viral hepatitis(excluding hepatitis A and E)	1	2	1				
	CRE infection	3	7	7			9	9
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)	2						
	Acute encephalitis(excluding JE and WNE)	3		1			21	21
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease			2				
	Severe invasive streptococcal infections(TSLS)	3	2	5			13	13
	Acquired immunodeficiency syndrome (AIDS)	8	10	16			1	1
	Giardiasis	1		1				
	Invasive <i>Haemophilus influenzae</i> disease	1	3	3	2	2	9	9
	Invasive meningococcal disease		1					
	Invasive pneumococcal disease	7	10	16			43	43
	Varicella (limited to hospitalized case)	6	1	3			2	2
	Congenital rubella syndrome							
	Syphilis	29	20	33			5	5
	Disseminated cryptococcosis						1	1
	Tetanus							
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						1	1
	Pertussis	13	17	10			14	14
	Rubella	2					1	1
	Measles	1					1	1
	MDRA infection							

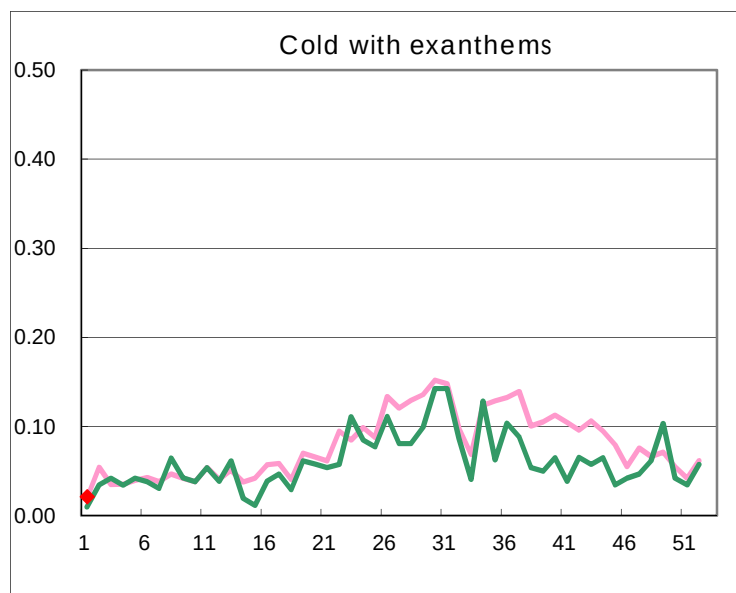
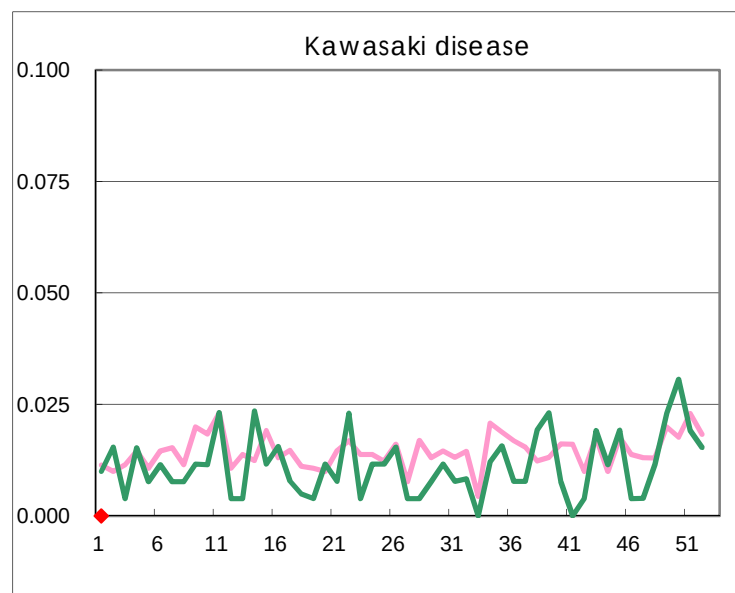
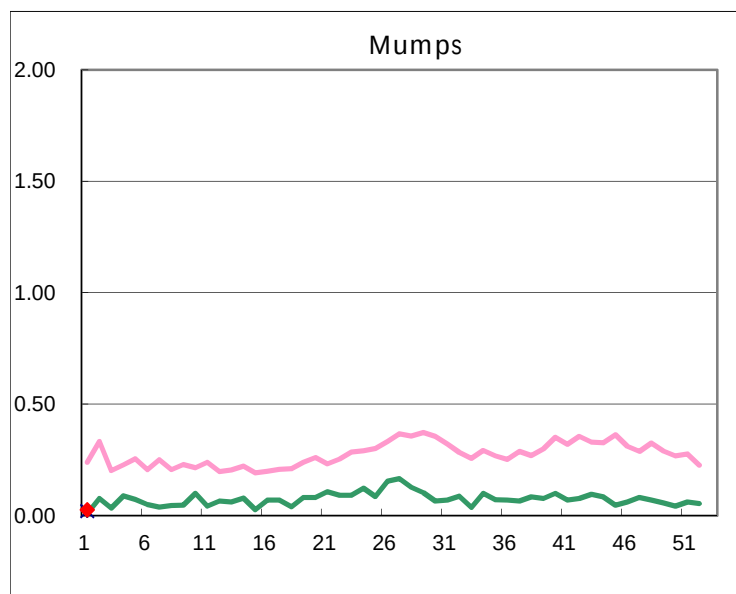
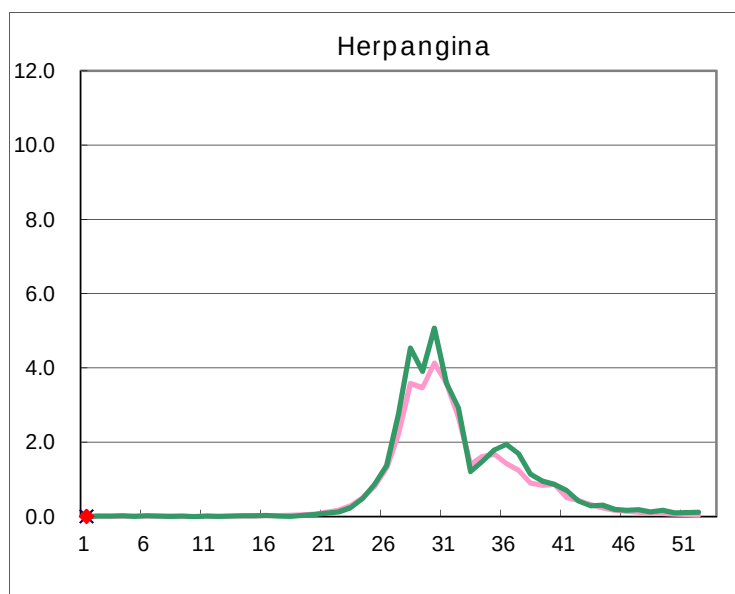
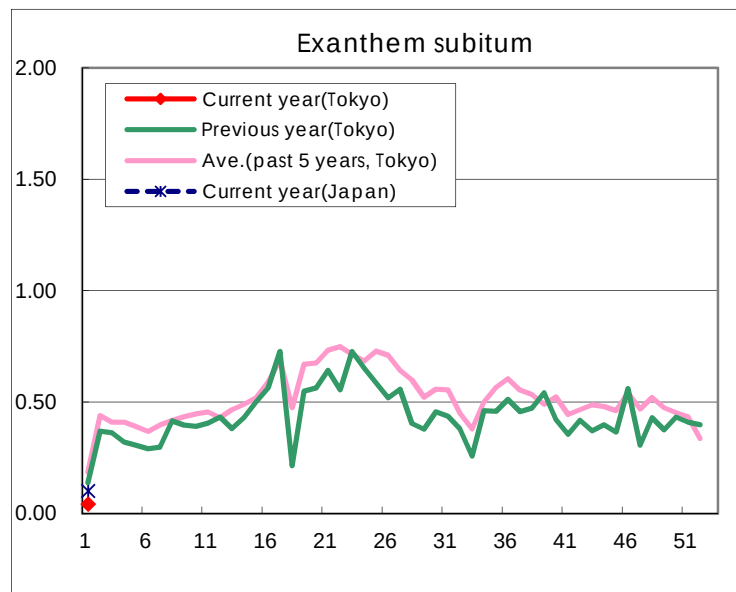
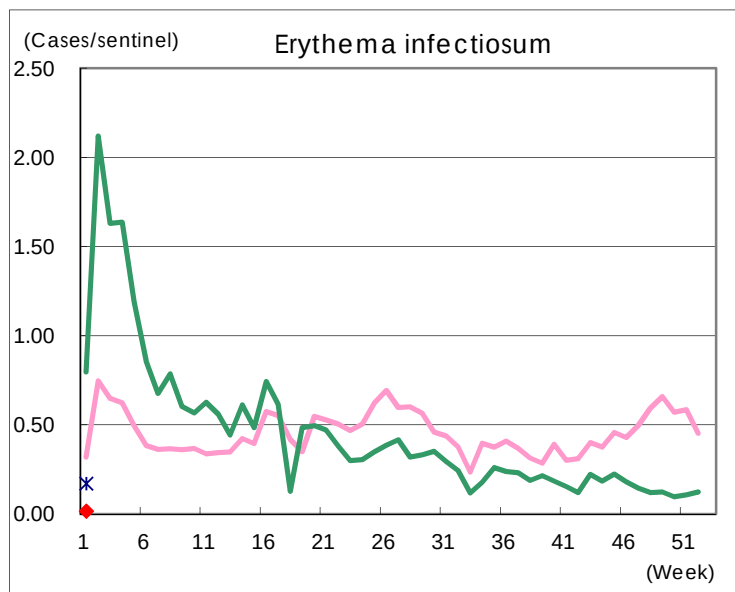
Number of patients with the diseases to be reported
by the designated clinics and hospitals

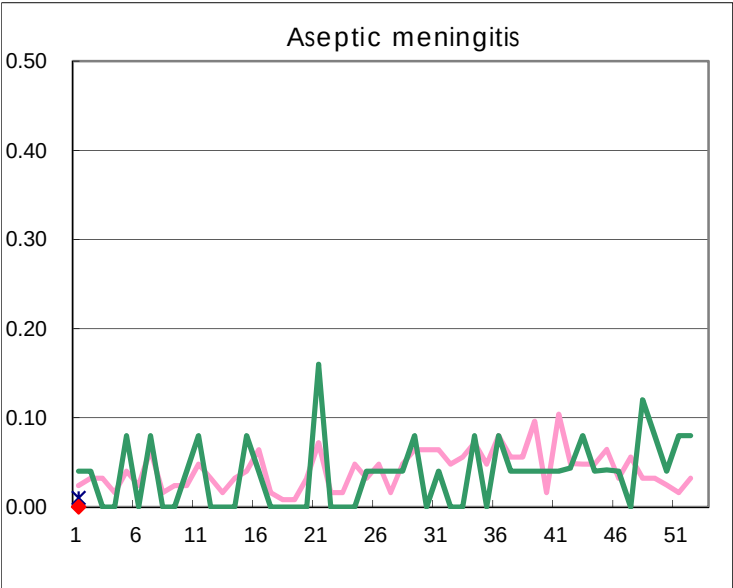
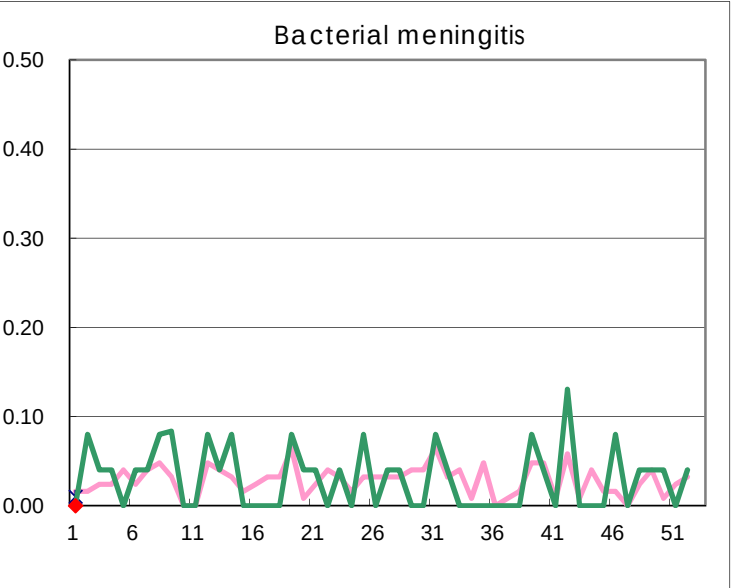
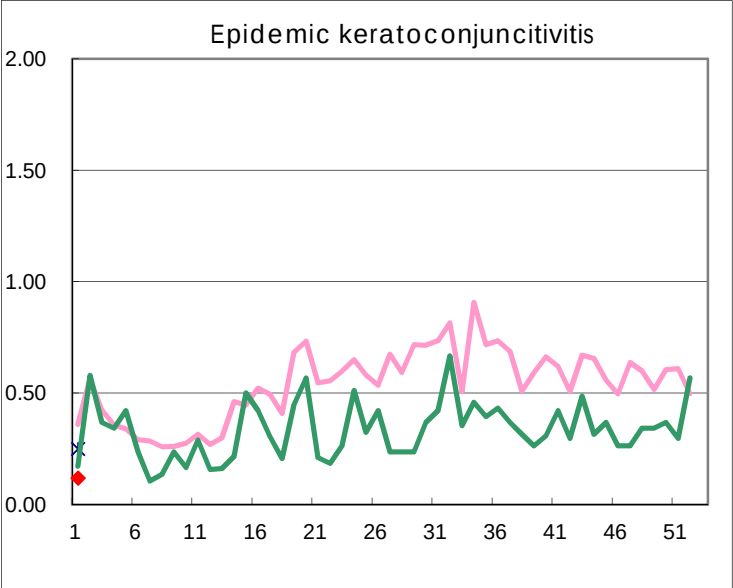
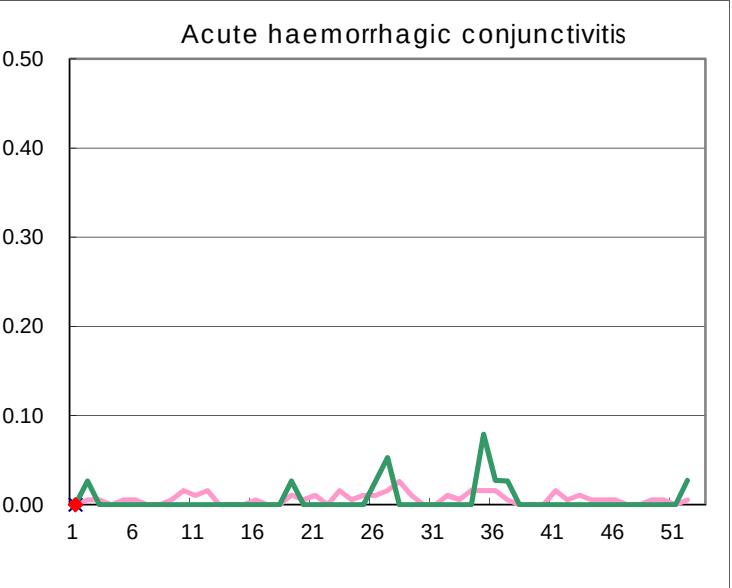
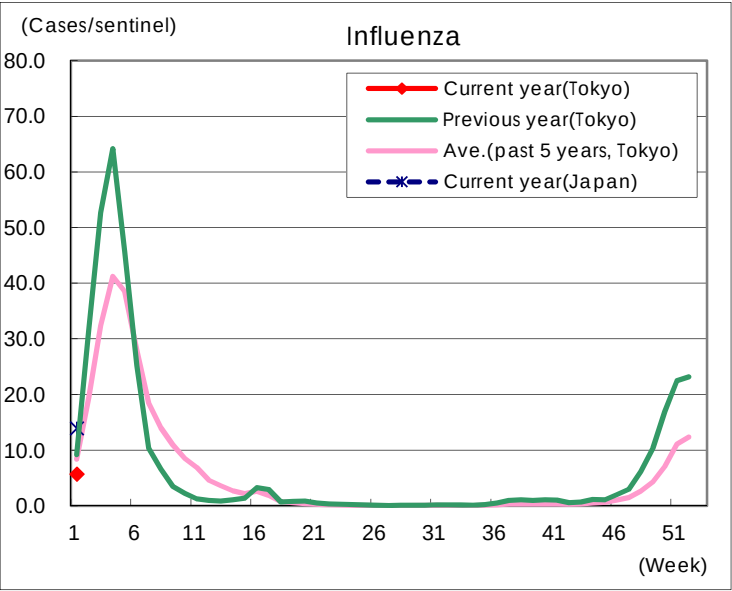
Diseases	Tokyo				
	50th	51st	52nd	1st	/sentinel
Respiratory syncytial virus infection	44	65	68	13	0.07
Pharyngoconjunctival fever	159	145	154	17	0.09
Group A streptococcal pharyngitis	1,010	989	863	86	0.45
Infectious gastroenteritis	2,186	2,639	2,683	256	1.35
Chickenpox	246	191	163	41	0.22
Hand, foot, and mouth disease	305	246	203	27	0.14
Erythema infectiosum	25	28	32	3	0.02
Exanthem subitum	113	107	104	8	0.04
Herpangina	26	29	31	1	0.01
Mumps	11	16	14	5	0.03
Kawasaki disease	8	5	4		
Cold with exanthems	11	9	15	4	0.02
Influenza	7,019	9,340	9,622	1,787	5.73
Acute hemorrhagic conjunctivitis			1		
Epidemic keratoconjunctivitis	14	11	21	3	0.12
Bacterial meningitis	1		1		
Aseptic meningitis	1	2	2		
Mycoplasma pneumonia	15	16	14	8	0.33
Chlamydial pneumonia (excluding psittacosis)		1	2		
Infectious gastroenteritis (only by Rotavirus)				1	0.04
Influenza-Associated Hospitalizations	70	84	105	91	3.64

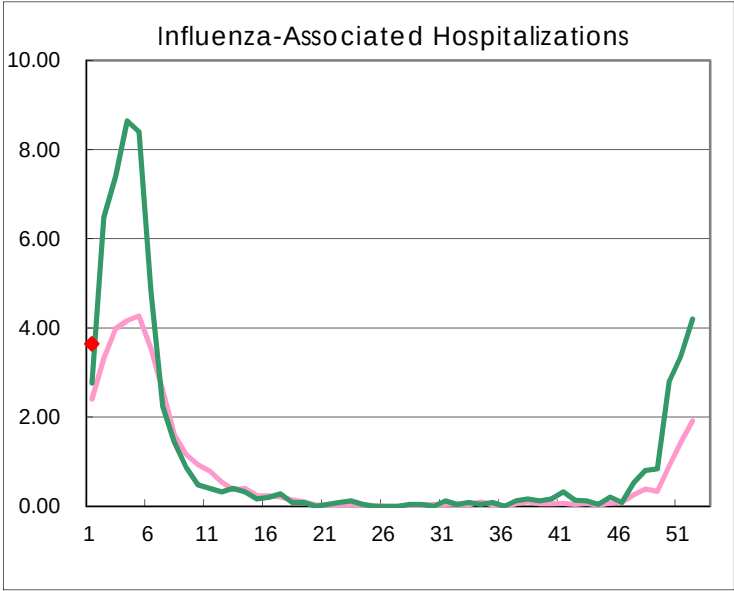
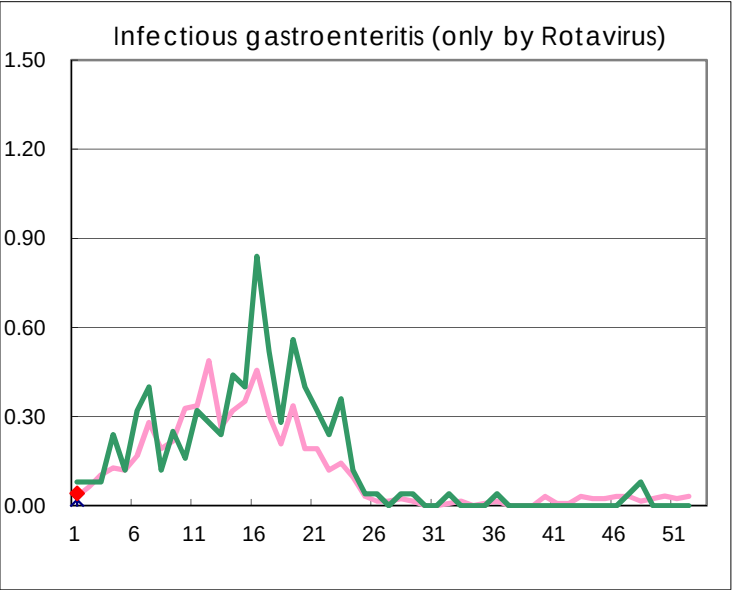
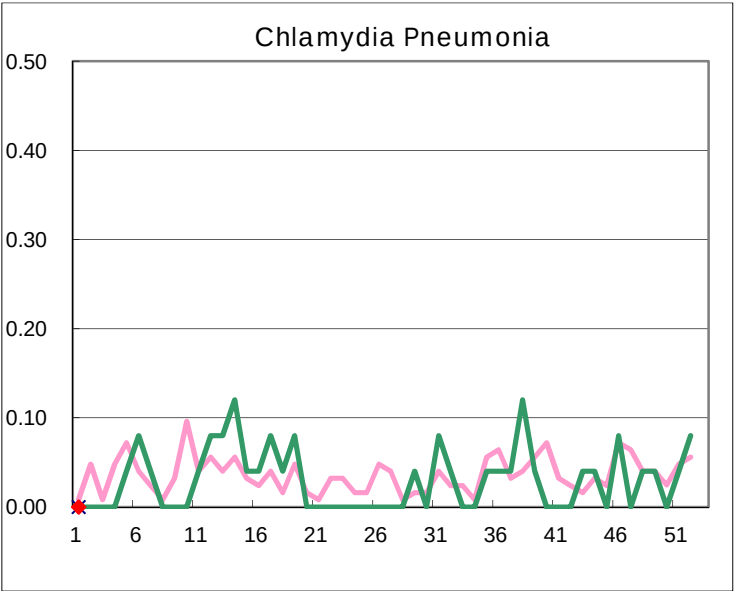
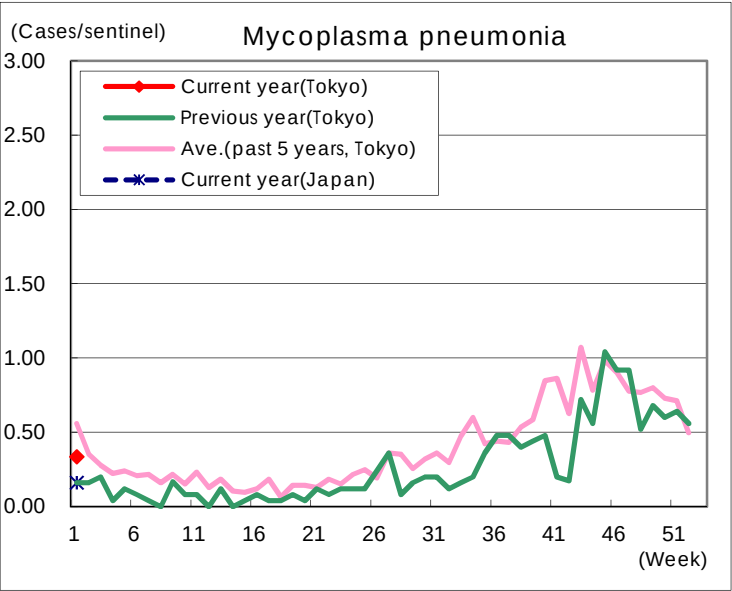
(Blank means 0.)

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	190
Influenza	419	312
Ophthalmic	39	25
Specially-designated	25	24