

25 January 2018 / 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 2018	3rd	Cum 2018
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	82	17	39	55	111	309	795
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							2
	Shigellosis			1	2	3	4	8
	Enterohemorrhagic Escherichia coli infection	2	2	1		3	15	30
	Typhoid fever						1	2
	Paratyphoid fever							
IV	Hepatitis E				3	3	4	8
	West Nile fever							
	Hepatitis A	1		3	3	6	7	16
	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							
	Scrub typhus(Tsutsugamushi disease)	3			1	1	5	27
	Dengue fever		2	1	2	5		5
	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		1			1		1	
Malaria						2	2	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	2		1	1	2	17	44	
Leptospirosis								
Rocky mountain spotted fever								

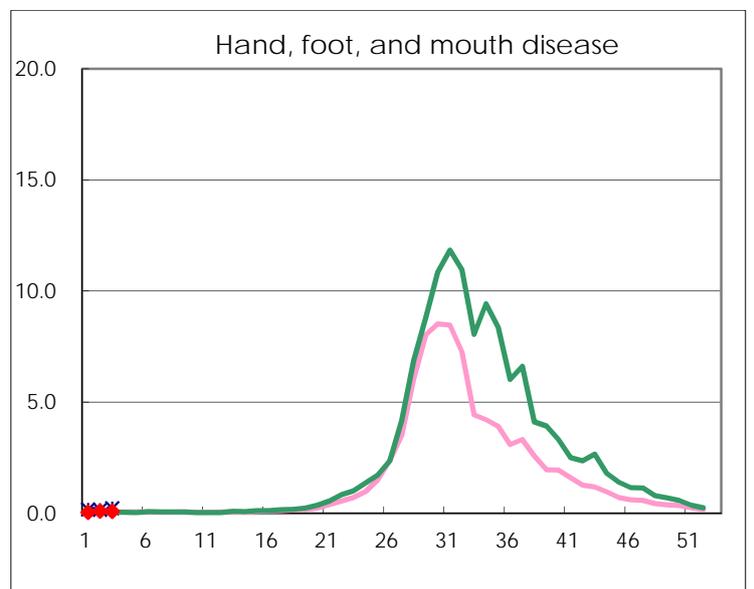
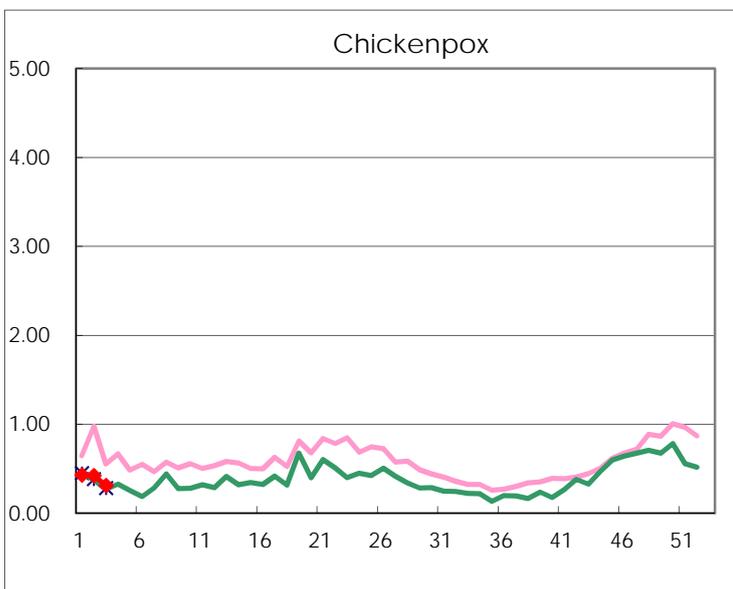
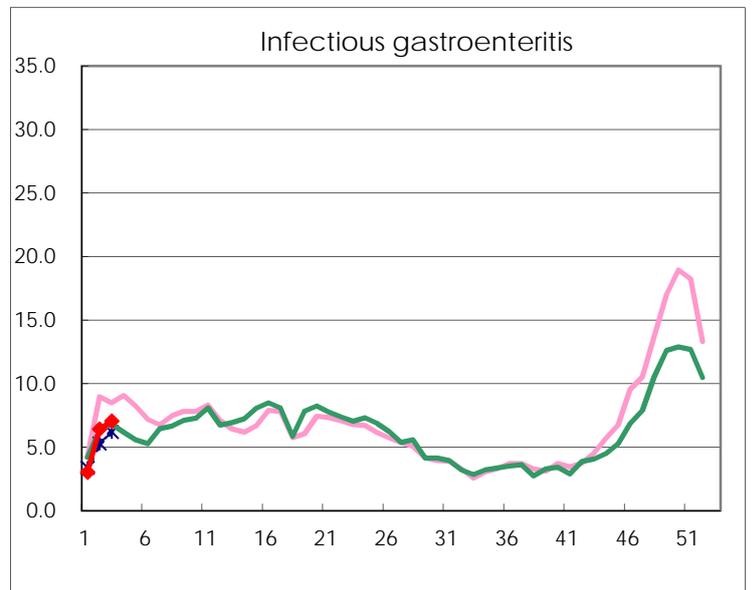
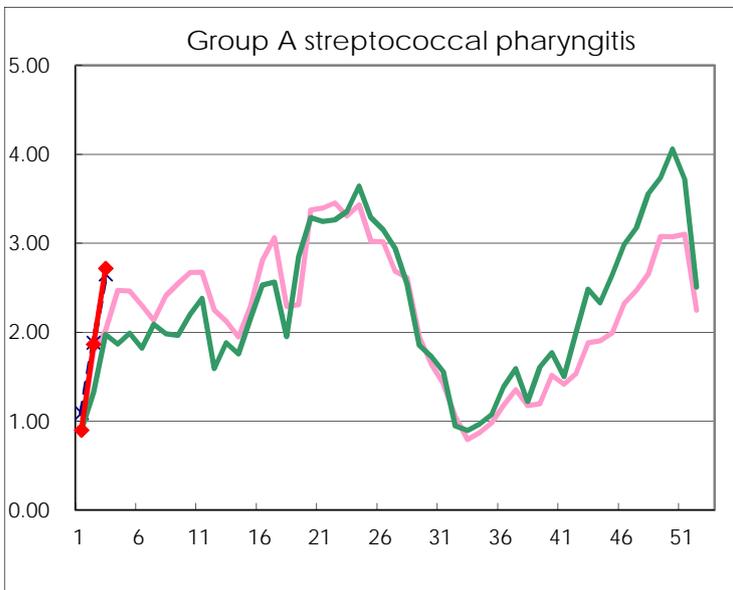
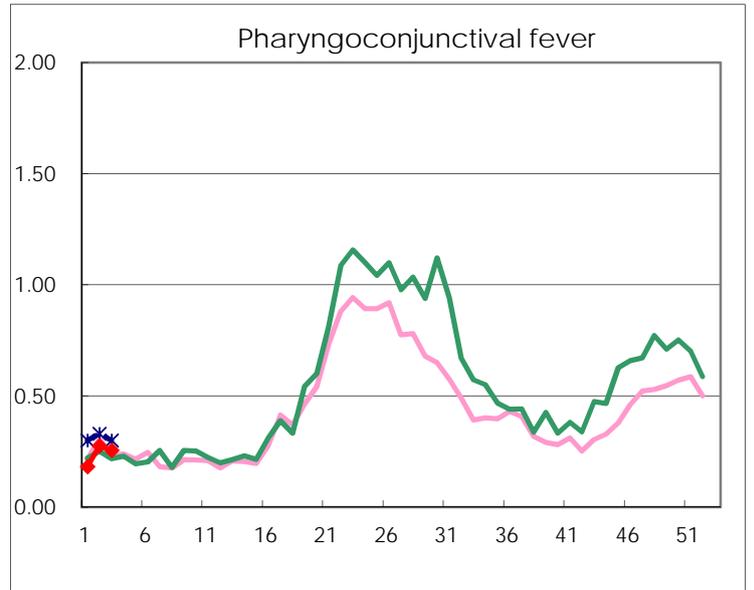
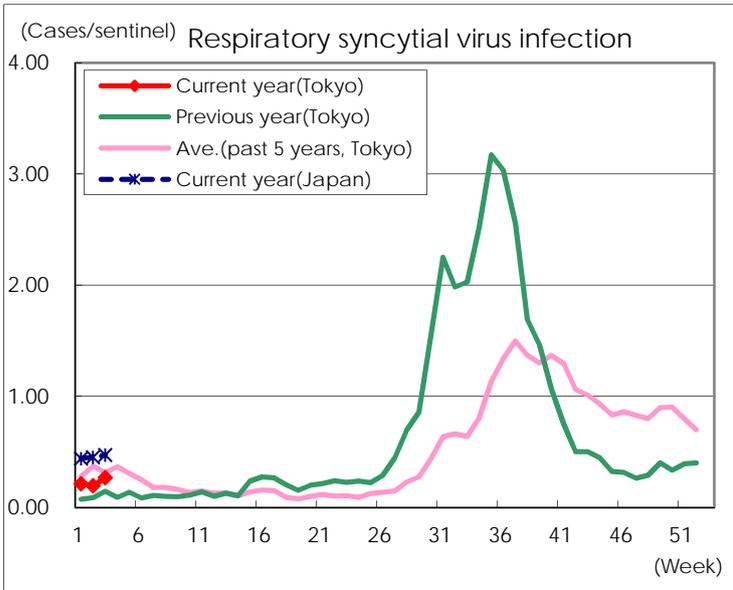
Category	Diseases	Tokyo					Japan	
		52nd	1st	2nd	3rd	Cum 2018	3rd	Cum 2018
V	Amebiasis	4	1	3	3	7	11	25
	Viral hepatitis(excluding hepatitis A and E)	1					2	7
	CRE infection	5	3	1	6	10	29	78
	Acute encephalitis(excluding JE and WNE)	4	2	4	3	9	24	67
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease			1	1	2	4	12
	Severe invasive streptococcal infections(TSLs)		3	2	3	8	15	50
	Acquired immunodeficiency syndrome (AIDS)	7	1	2	5	8	13	39
	Giardiasis			1		1	2	3
	Invasive <i>Haemophilus influenzae</i> disease	2	1			1	11	28
	Invasive meningococcal disease				1	1	1	4
	Invasive pneumococcal disease	6	7	16	15	38	64	288
	Varicella (limited to hospitalized case)	1	1			1	4	20
	Congenital rubella syndrome							
	Syphilis	37	7	25	39	71	93	236
	Disseminated cryptococcosis			1		1	3	5
	Tetanus							
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							
	Pertussis			3	5	8	38	96
Rubella						2	2	
Measles							1	
MDRA infection							1	

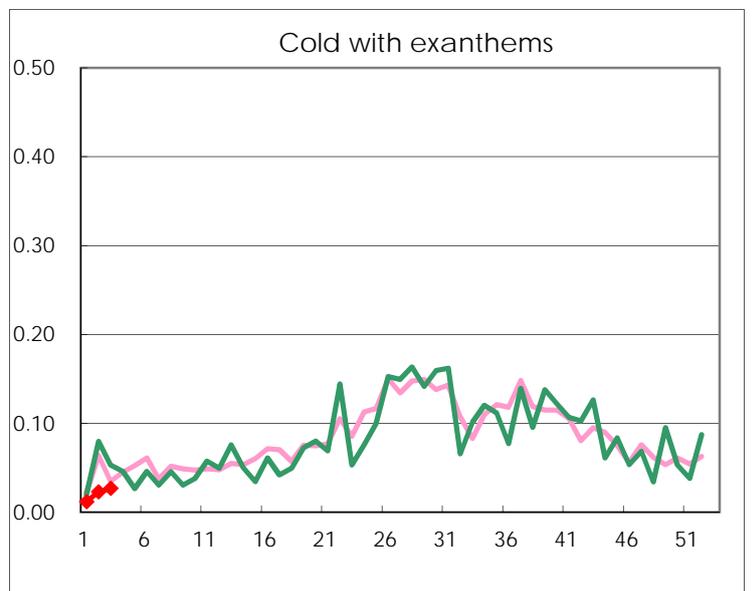
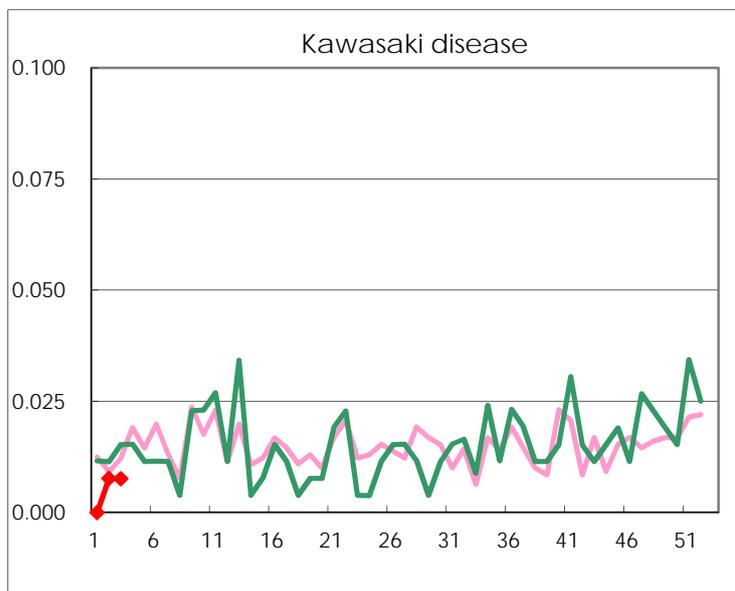
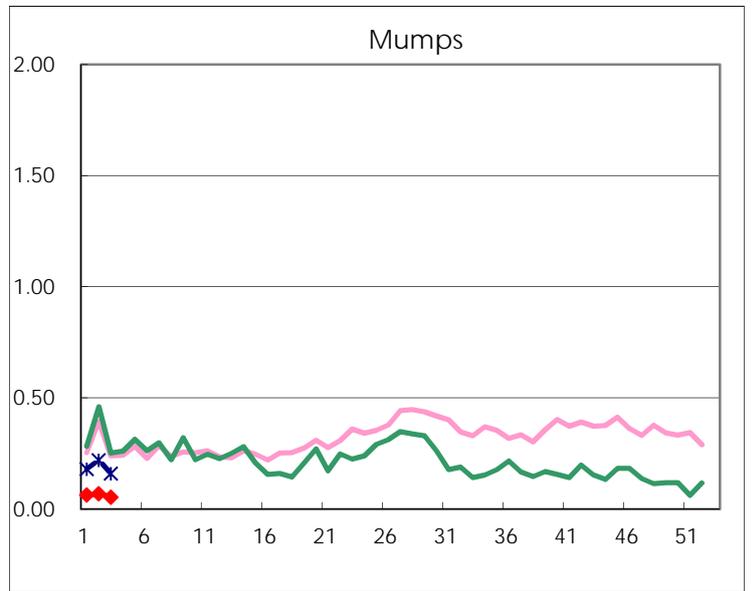
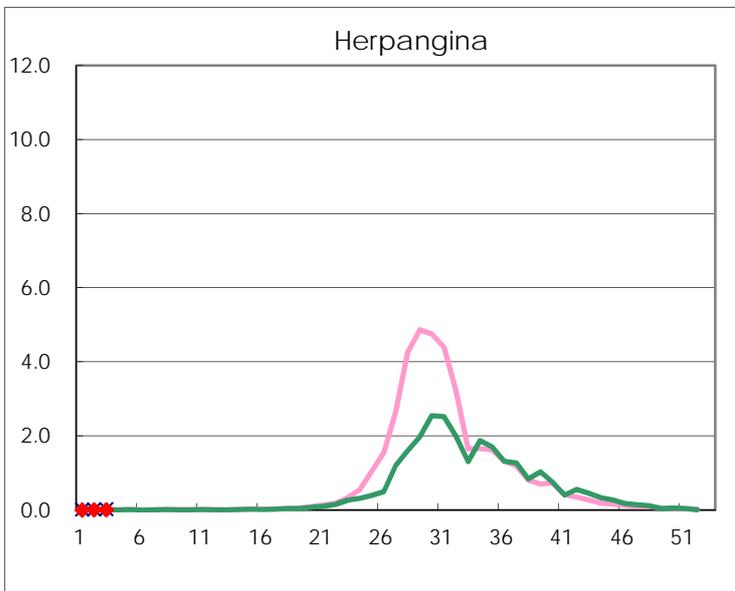
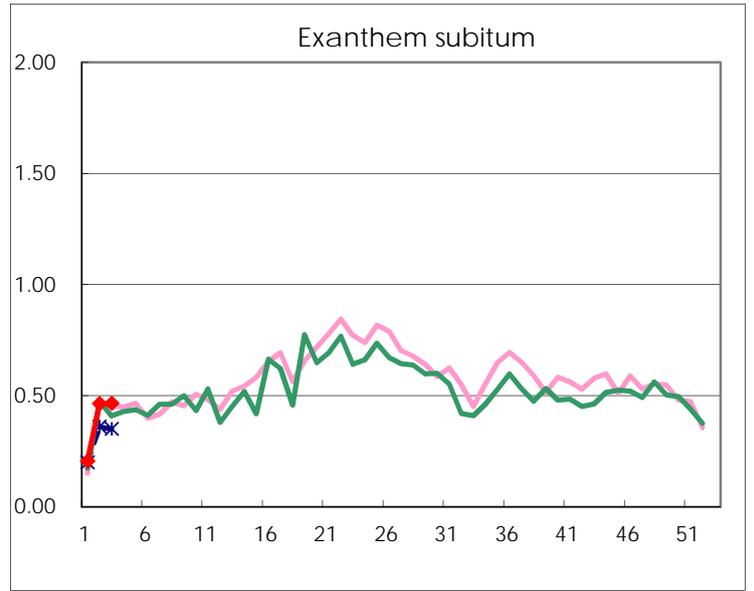
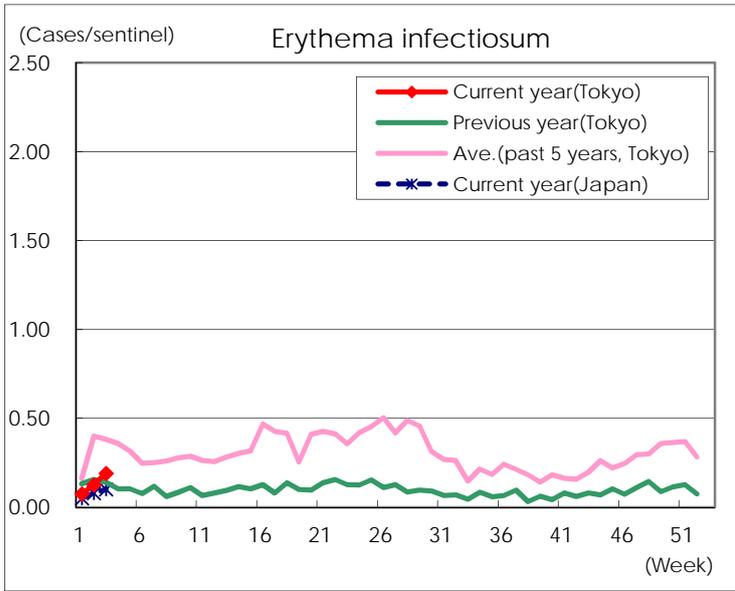
Number of patients with the diseases to be reported
by the designated clinics and hospitals

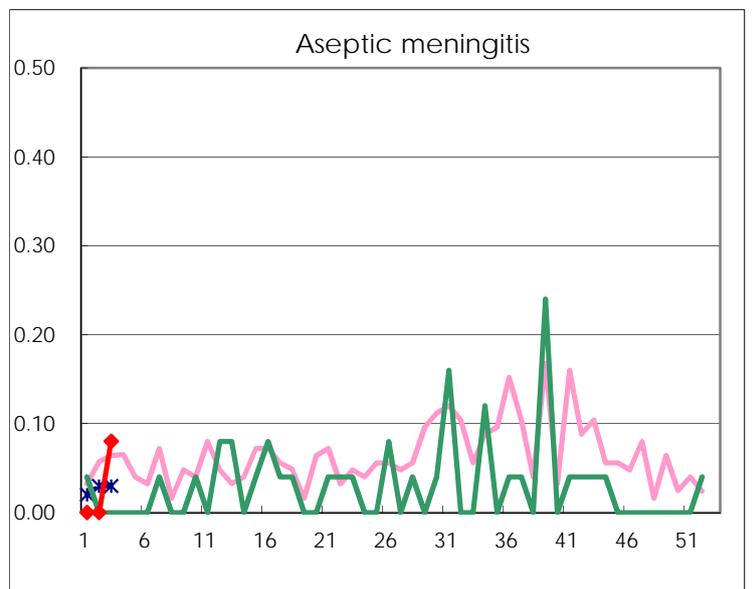
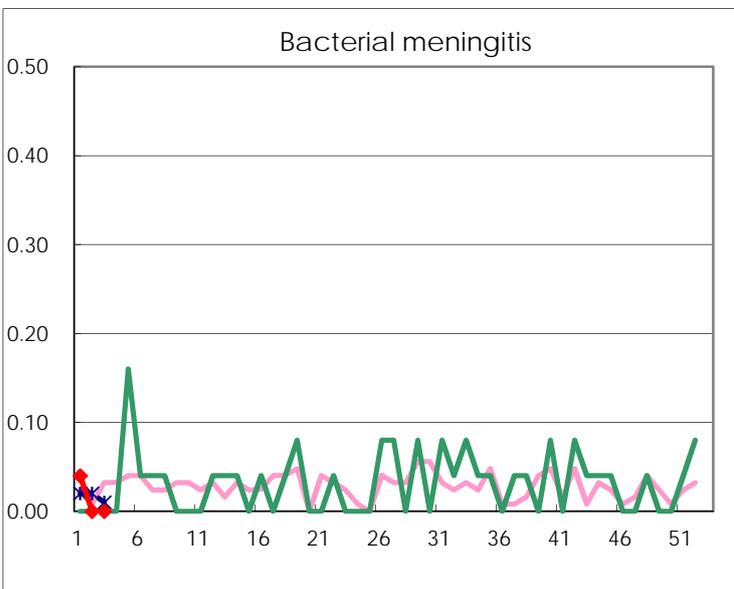
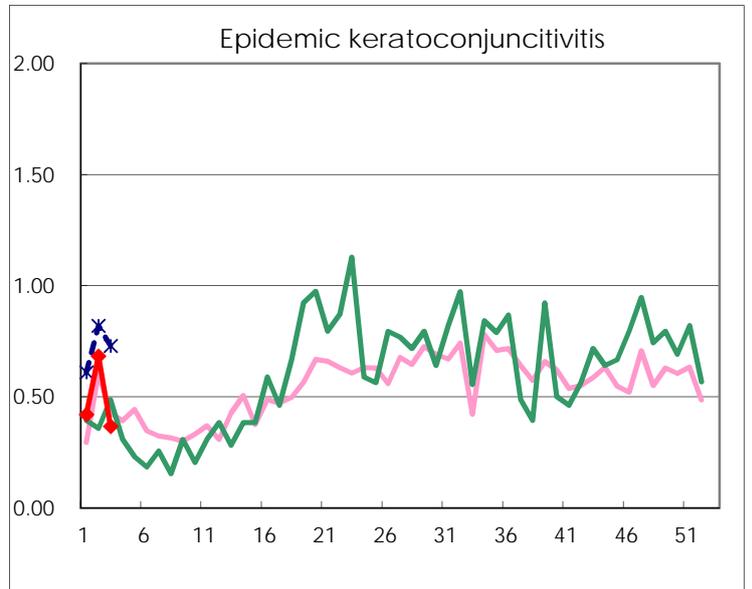
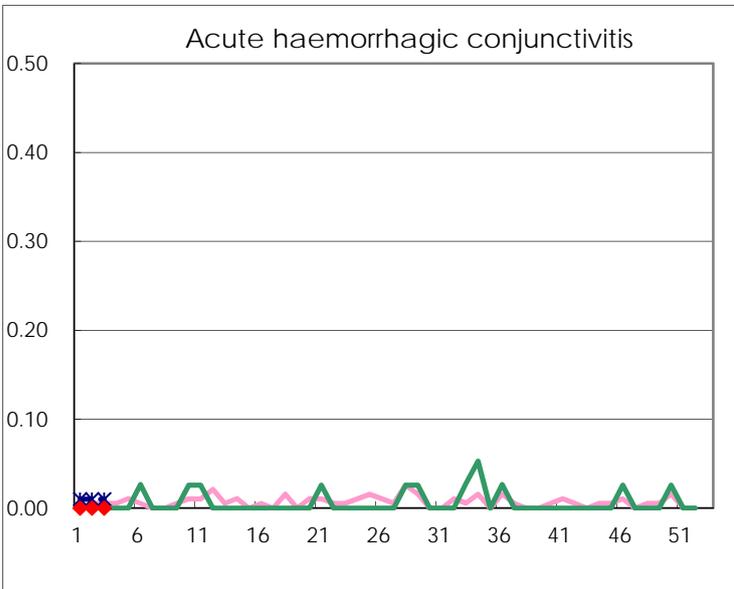
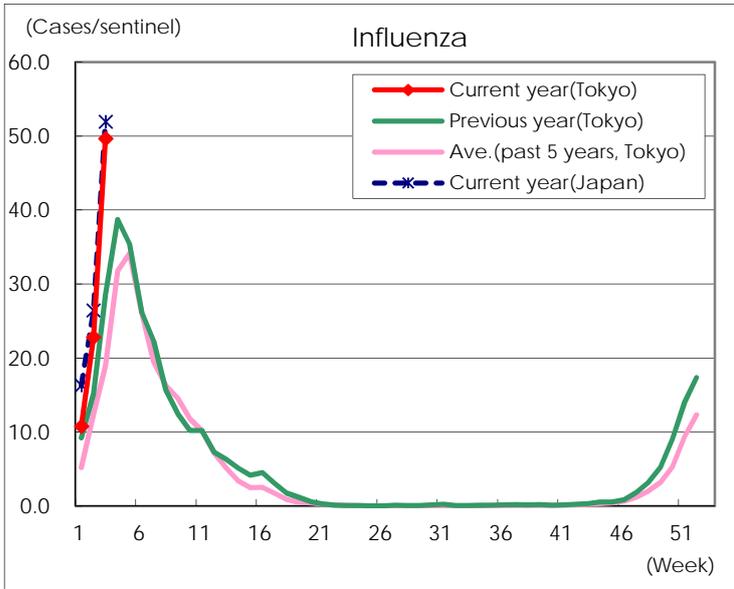
Diseases	Tokyo				
	52nd	1st	2nd	3rd	/sentinel
Respiratory syncytial virus infection	96	54	51	70	0.27
Pharyngoconjunctival fever	141	46	72	67	0.26
Group A streptococcal pharyngitis	601	227	486	712	2.72
Infectious gastroenteritis	2,510	763	1,676	1,844	7.04
Chickenpox	124	108	110	81	0.31
Hand, foot, and mouth disease	59	10	26	22	0.08
Erythema infectiosum	18	19	33	50	0.19
Exanthem subitum	90	52	121	122	0.47
Herpangina	2		3	2	0.01
Mumps	28	16	18	14	0.05
Kawasaki disease	6		2	2	0.01
Cold with exanths	21	3	6	7	0.03
Influenza	6,721	4,357	9,456	20,612	49.67
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	21	16	26	14	0.37
Bacterial meningitis	2	1			
Aseptic meningitis	1			2	0.08
Mycoplasma pneumonia	6	1		2	0.08
Chlamydial pneumonia (excluding psittacosis)	2	1	2		
Infectious gastroenteritis (only by Rotavirus)		1	3	1	0.04
Influenza-Associated Hospitalizations	51	92	104	140	5.60

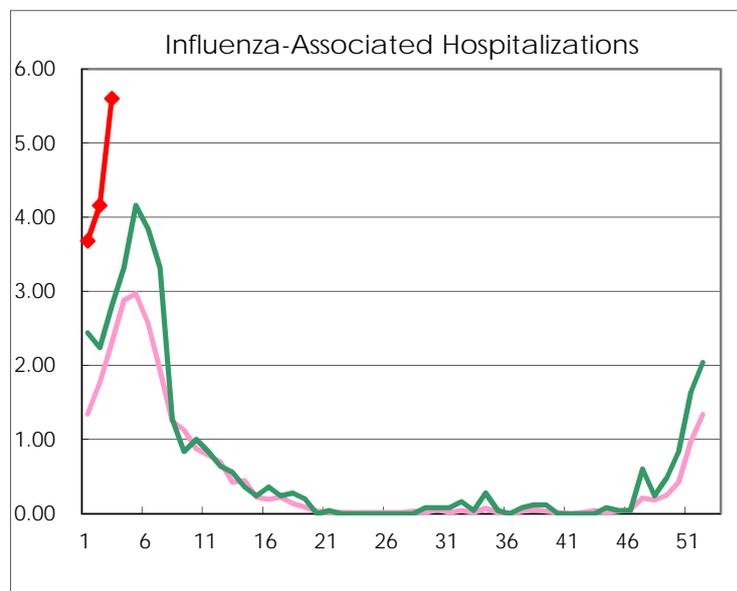
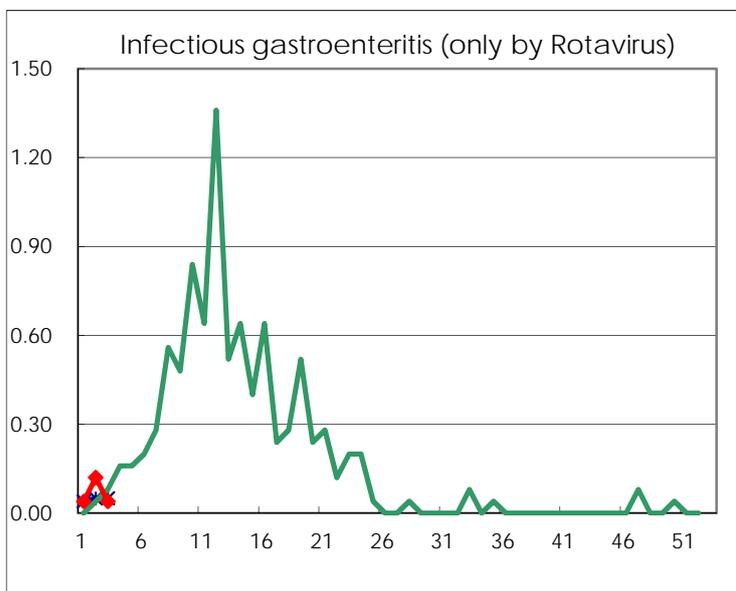
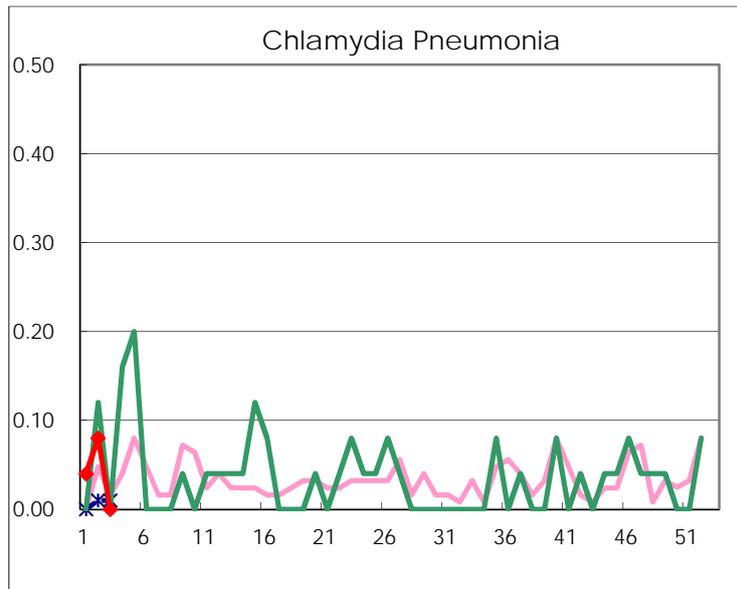
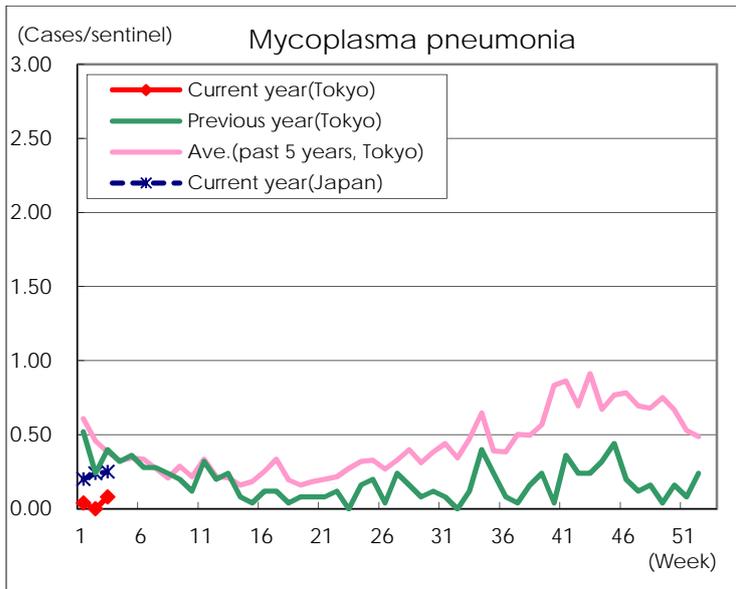
(Blank means 0.)

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	25