

18 January 2018 / Number 2

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	
		51st	52nd	1st	2nd	Cum 2018	2nd	Cum 2018
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	62	82	16	39	55	273	432
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera						2	2
	Shigellosis	1			1	1	3	4
	Enterohemorrhagic Escherichia coli infection	1	2	2	1	3	10	15
	Typhoid fever						1	1
	Paratyphoid fever							
IV	Hepatitis E	3					1	2
	West Nile fever							
	Hepatitis A	3	1		3	3	7	8
	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)	1	3				13	19
	Dengue fever			2	1	3	1	3
	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							
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis	1	2		1	1	16	28
	Leptospirosis							
	Rocky mountain spotted fever							

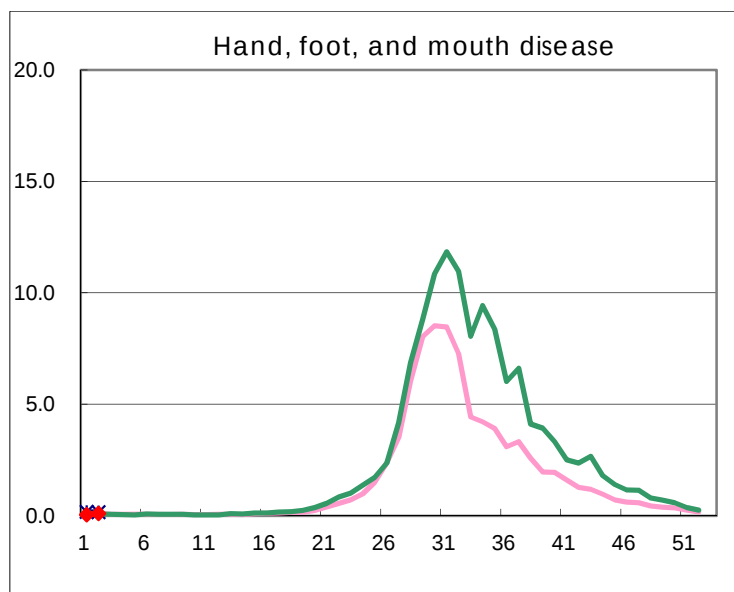
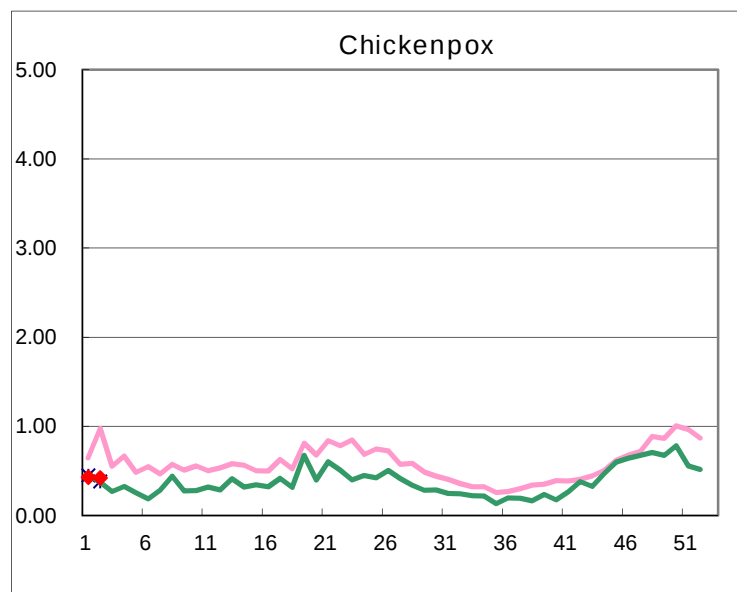
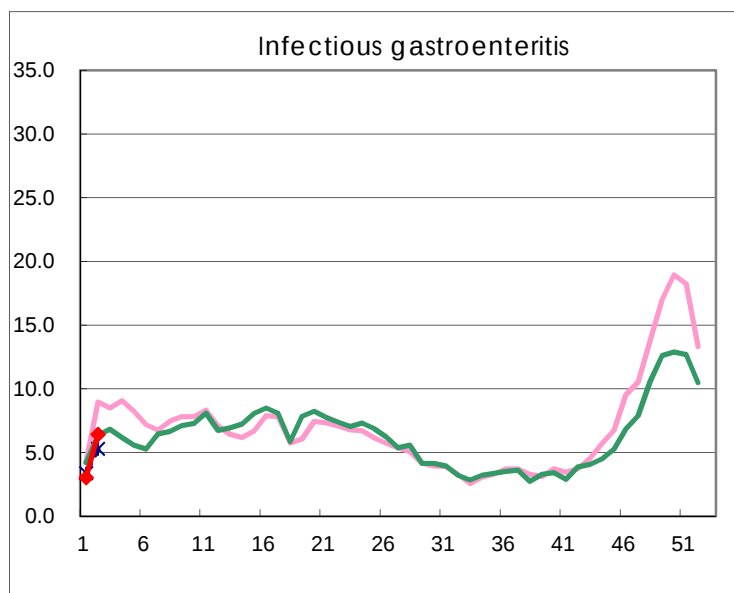
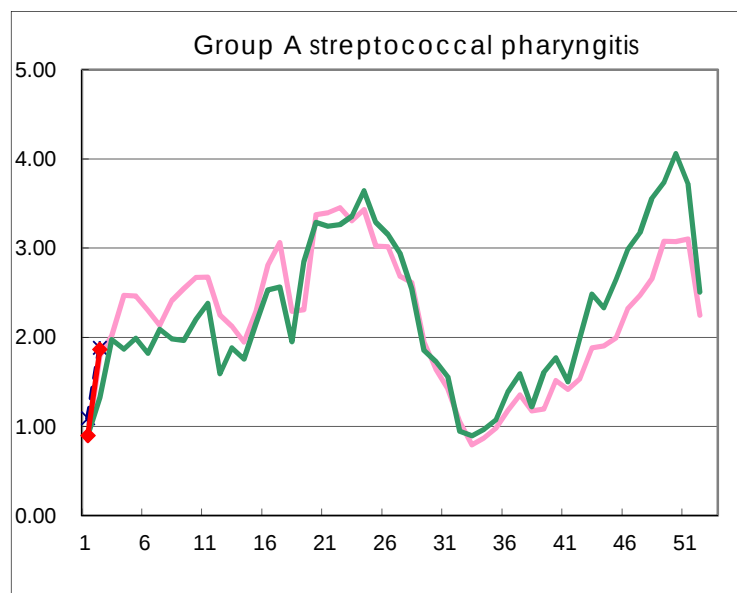
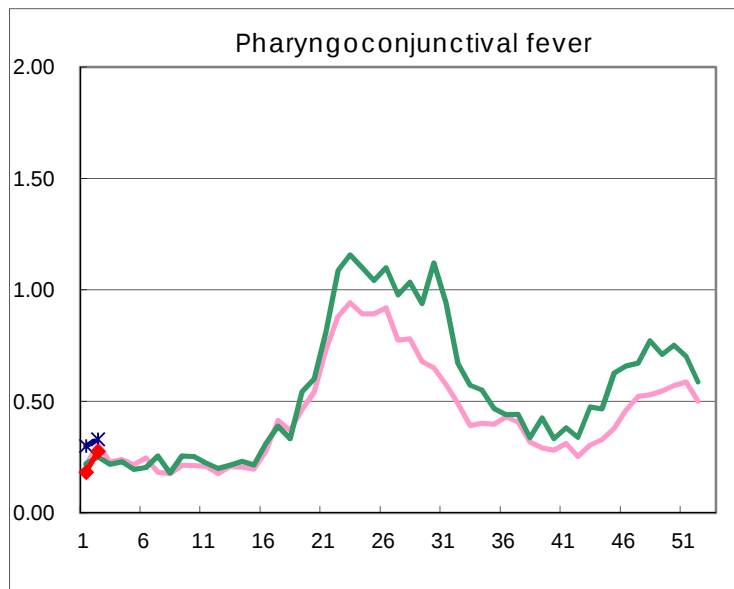
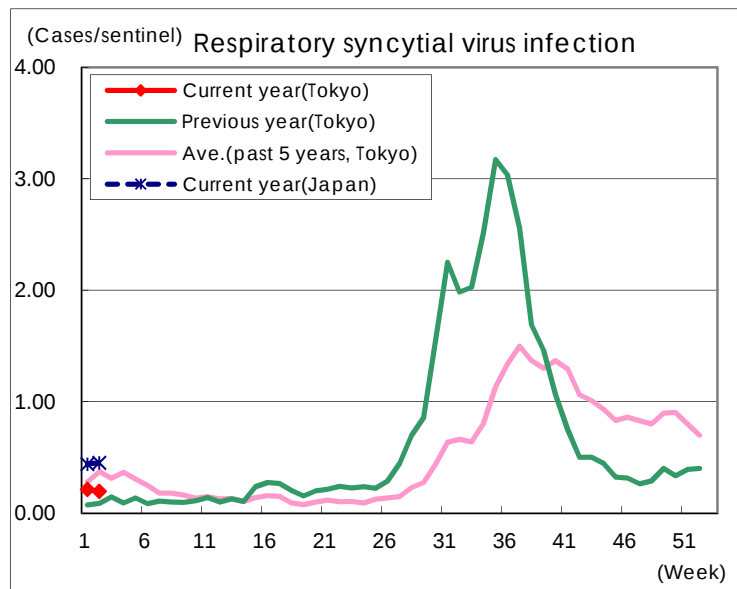
Category	Diseases	Tokyo					Japan	
		51st	52nd	1st	2nd	Cum 2018	2nd	Cum 2018
V	Amebiasis	4	4	1	3	4	8	11
	Viral hepatitis(excluding hepatitis A and E)	2	1				2	4
	CRE infection		5	3	1	4	27	44
	Acute encephalitis(excluding JE and WNE)	2	4	2	4	6	18	36
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease				1	1	2	6
	Severe invasive streptococcal infections(TSLS)	3		3	1	4	14	29
	Acquired immunodeficiency syndrome (AIDS)	9	7	1	2	3	11	17
	Giardiasis				1	1		1
	Invasive <i>Haemophilus influenzae</i> disease	2	2	1		1	7	11
	Invasive meningococcal disease							2
	Invasive pneumococcal disease	5	6	7	16	23	97	179
	Varicella (limited to hospitalized case)		1	1		1	5	11
	Congenital rubella syndrome							
	Syphilis	27	37	7	24	31	60	99
	Disseminated cryptococcosis	1			1	1	2	2
	Tetanus							
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection							
	Pertussis				3	3	27	41
	Rubella						1	1
	Measles						1	1
	MDRA infection						1	1

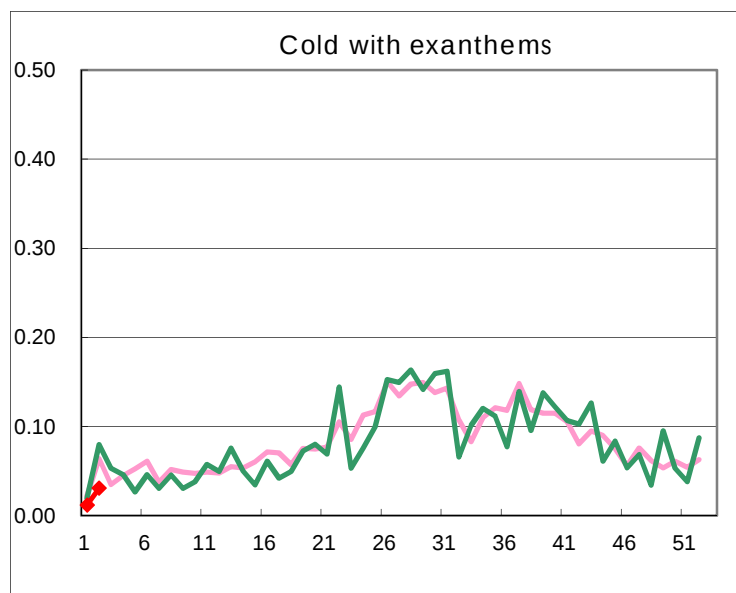
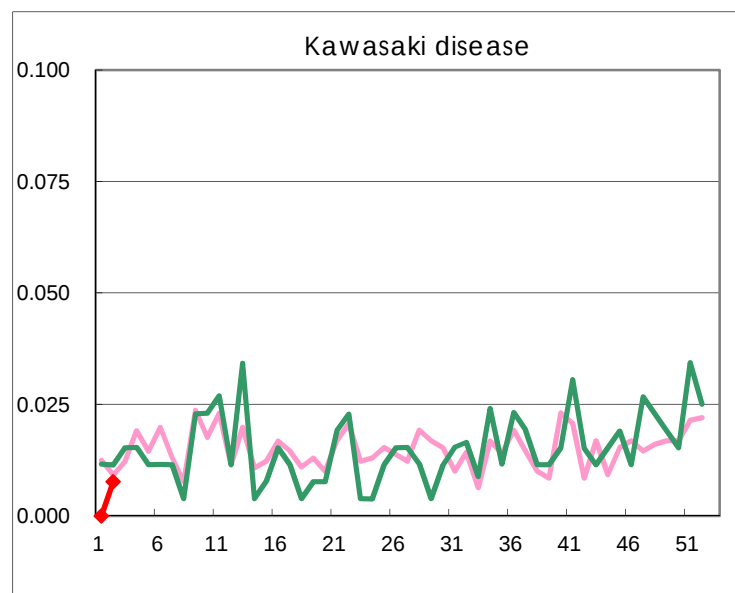
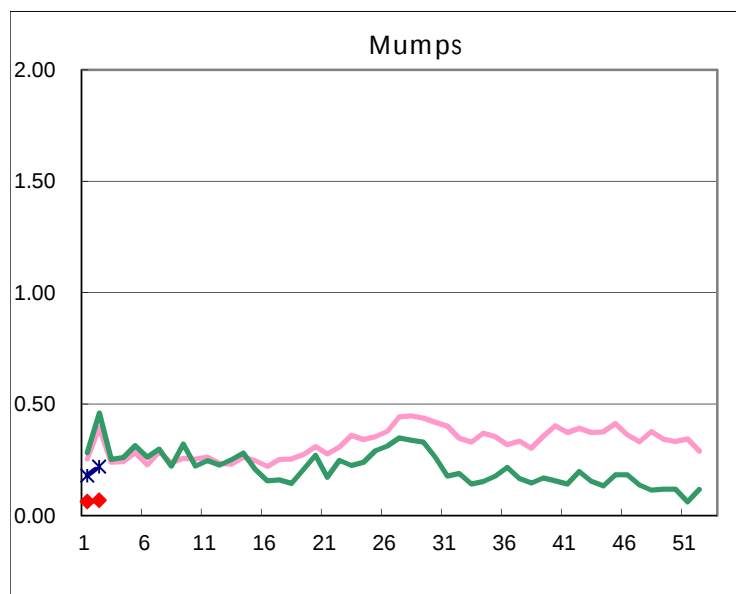
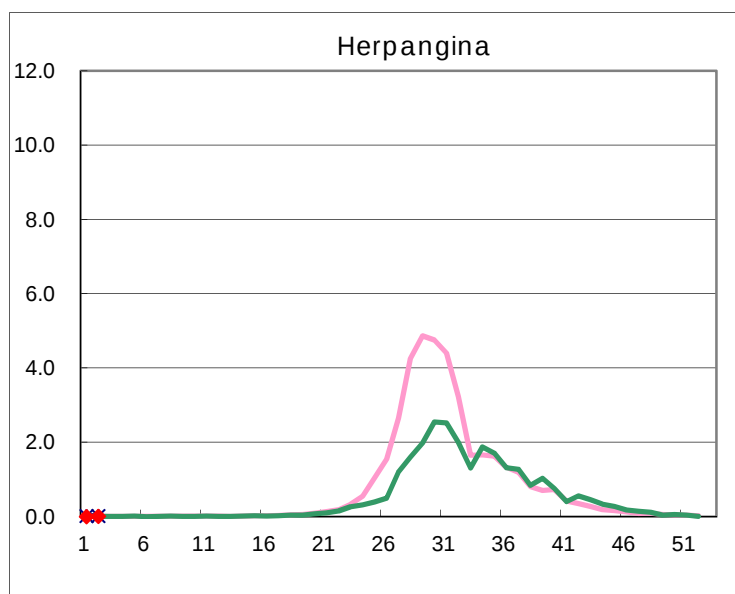
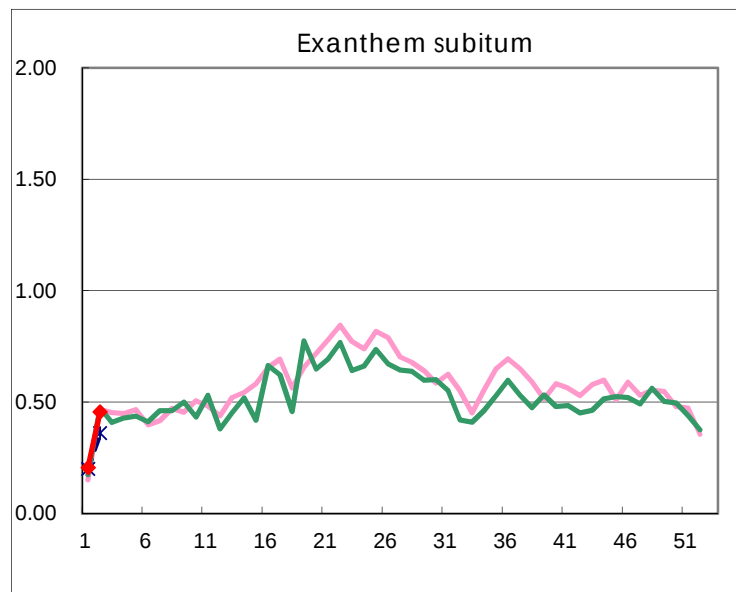
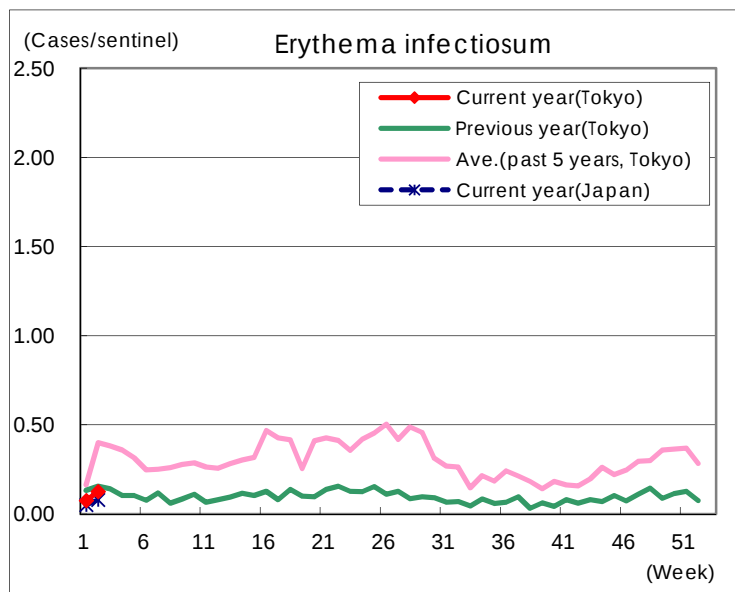
Number of patients with the diseases to be reported
by the designated clinics and hospitals

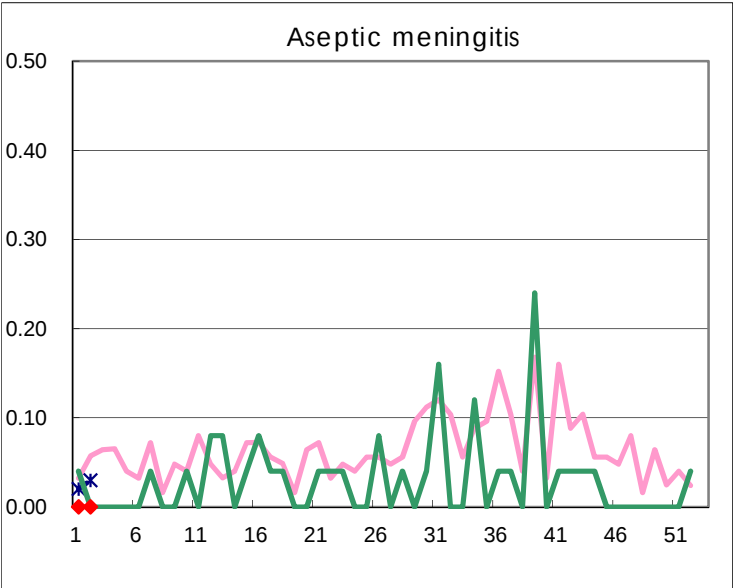
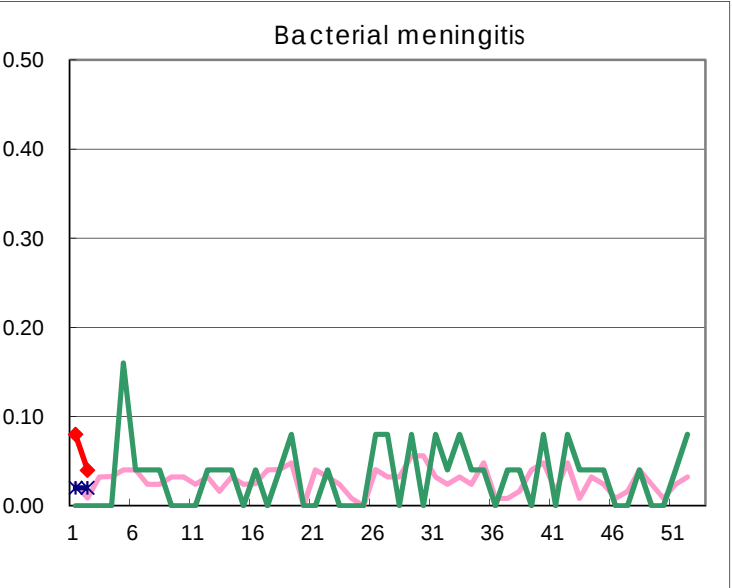
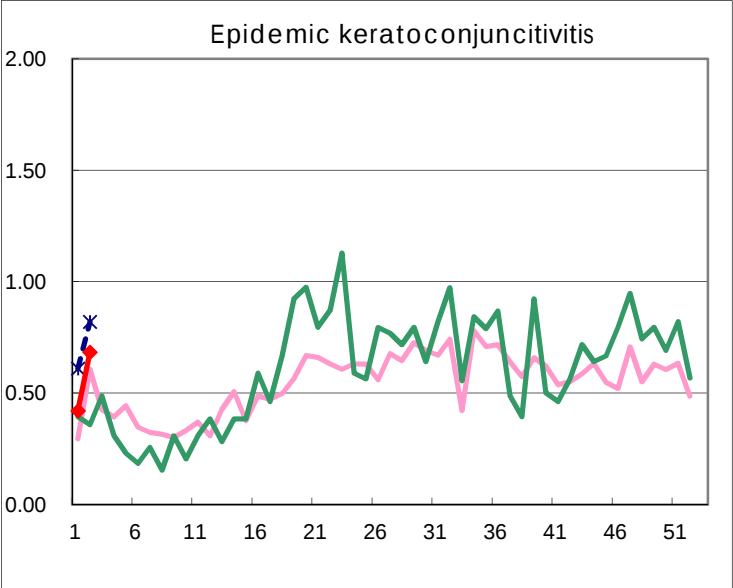
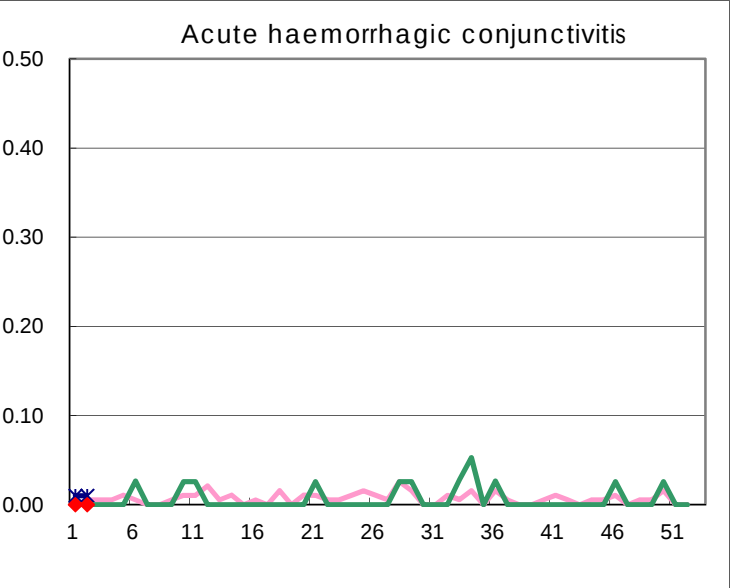
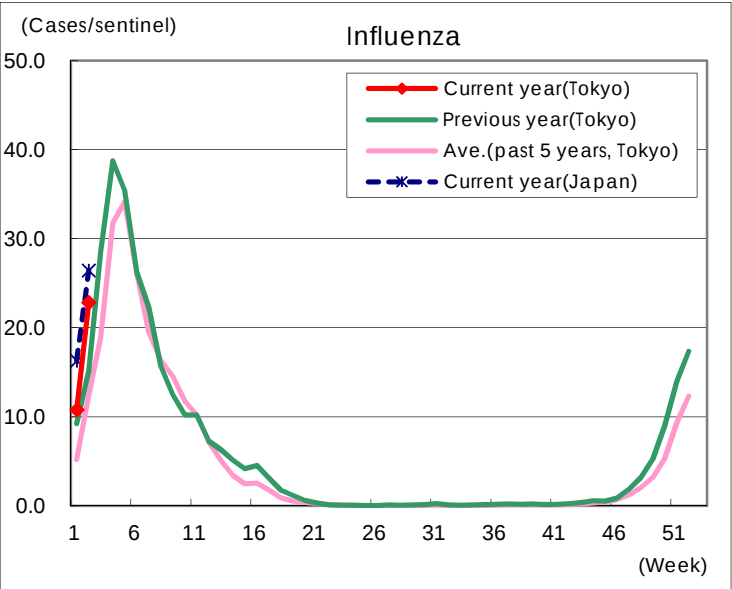
Diseases	Tokyo				
	51st	52nd	1st	2nd	/sentinel
Respiratory syncytial virus infection	103	96	54	51	0.20
Pharyngoconjunctival fever	184	141	46	72	0.28
Group A streptococcal pharyngitis	974	601	227	486	1.86
Infectious gastroenteritis	3,324	2,510	763	1,676	6.42
Chickenpox	145	124	108	110	0.42
Hand, foot, and mouth disease	97	59	10	26	0.10
Erythema infectiosum	33	18	19	33	0.13
Exanthem subitum	115	90	52	119	0.46
Herpangina	10	2		3	0.01
Mumps	16	28	16	18	0.07
Kawasaki disease	9	6		2	0.01
Cold with exanthems	10	21	3	8	0.03
Influenza	5,821	6,721	4,357	9,456	22.84
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	32	21	16	26	0.68
Bacterial meningitis	1	2	2	1	0.04
Aseptic meningitis		1			
Mycoplasma pneumonia	2	6	1		
Chlamydial pneumonia (excluding psittacosis)		2	1	2	0.08
Infectious gastroenteritis (only by Rotavirus)			1	3	0.12
Influenza-Associated Hospitalizations	41	51	92	99	3.96

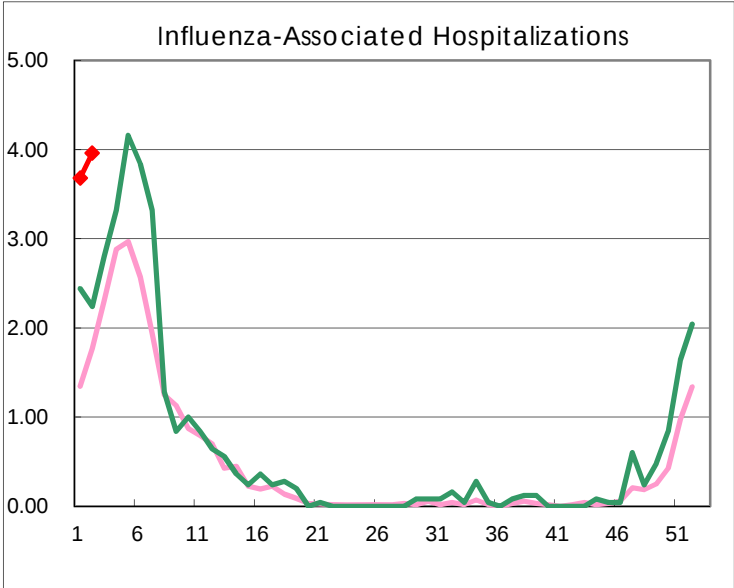
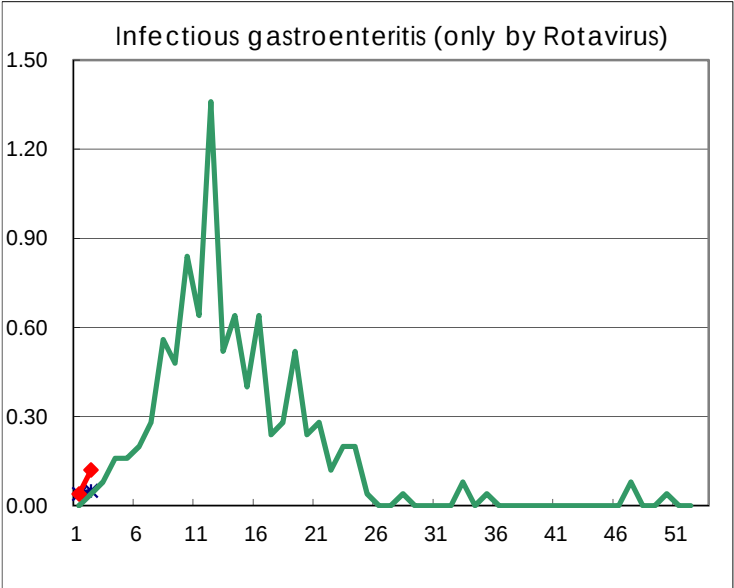
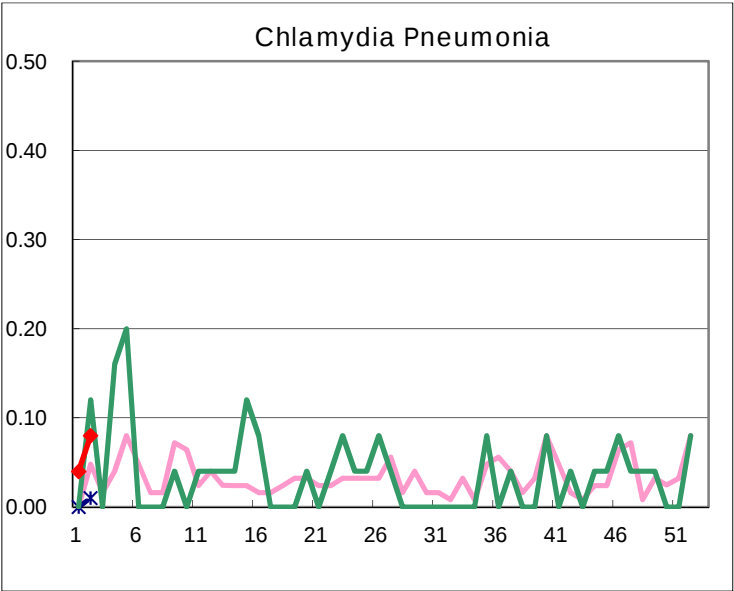
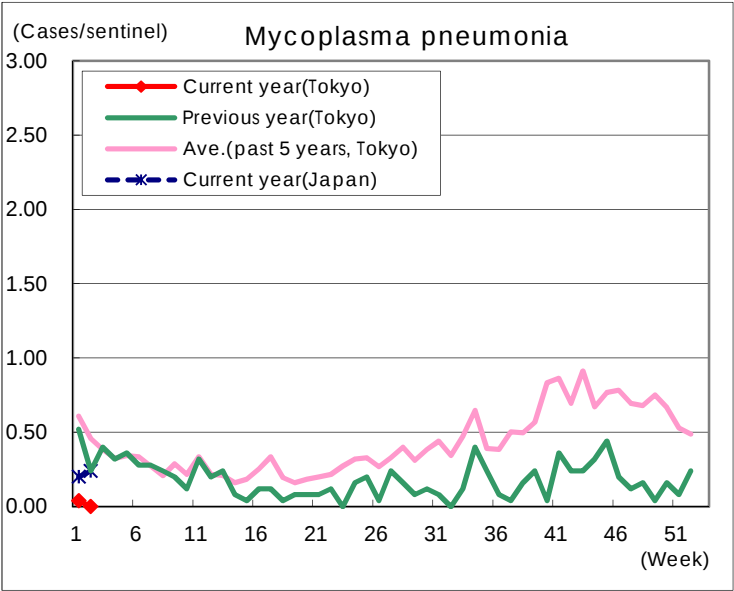
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	261
Influenza	419	414
Ophthalmic	39	38
Specially- designated	25	25