

22 March 2019 / Number 11

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	
		8th	9th	10th	11th	Cum 2019	11th	Cum 2019
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	71	62	60	51	580	330	4,022
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis		1	2	1	6	7	27
	Enterohemorrhagic Escherichia coli infection	4	8	1		27	12	210
	Typhoid fever					1	1	7
	Paratyphoid fever					1		4
IV	Hepatitis E	4	2	3	3	24	10	91
	West Nile fever							
	Hepatitis A	2	1	2	1	15	5	102
	Echinococcosis						1	2
	Yellow fever							
	Psittacosis			1		1		6
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							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)							40
	Dengue fever		3	2	2	23	4	61
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							4
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism						1	1
	Malaria					2		6
	Tularemia							
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	1	2	1		27	25	288	
Leptospirosis				1	1		1	
Rocky mountain spotted fever								

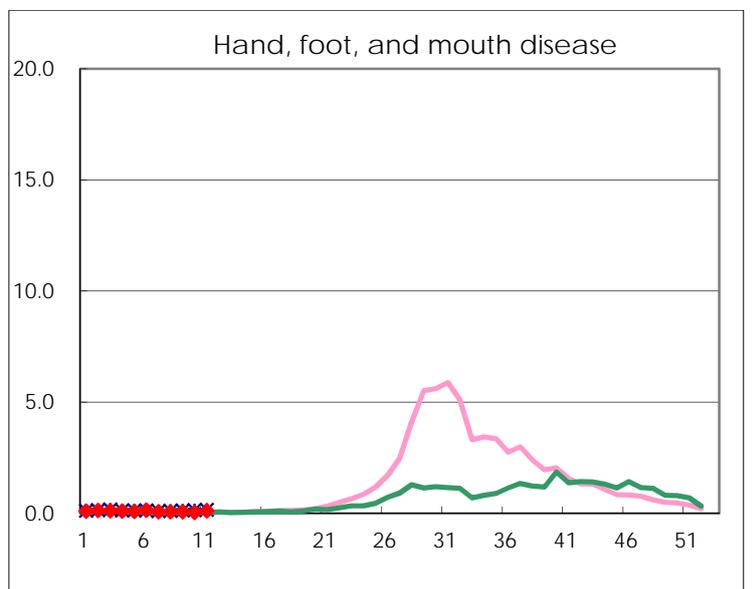
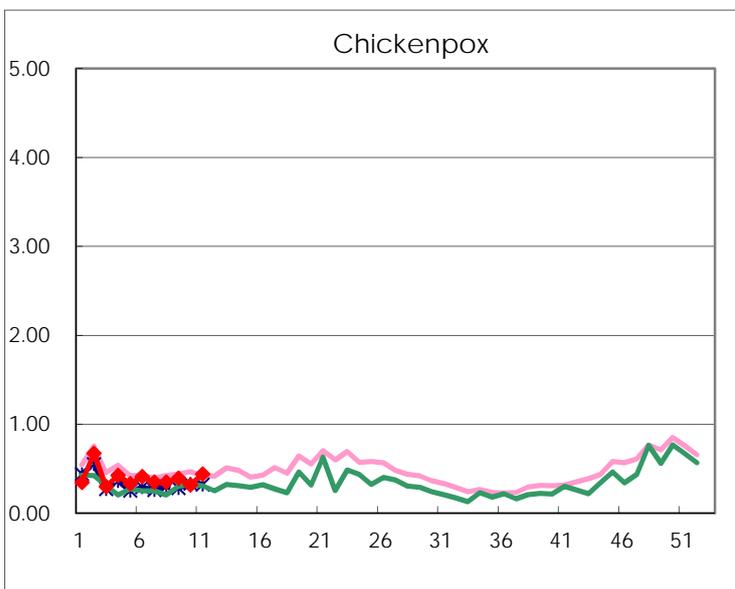
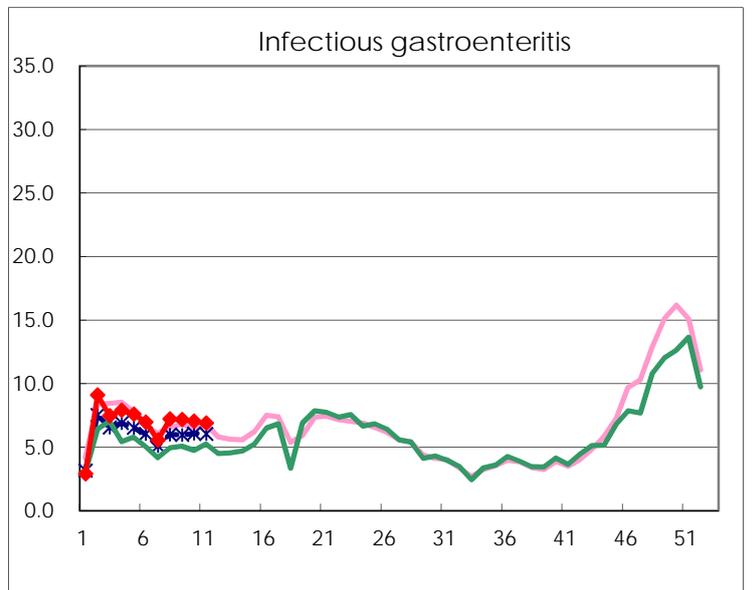
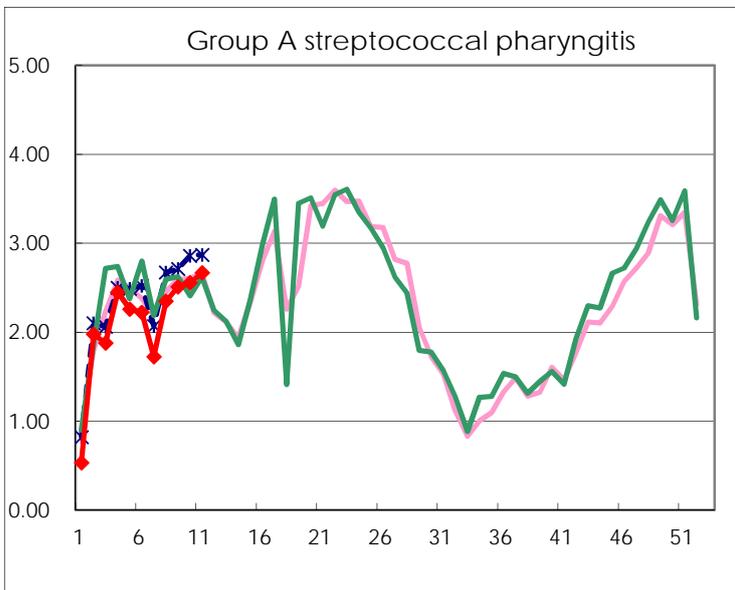
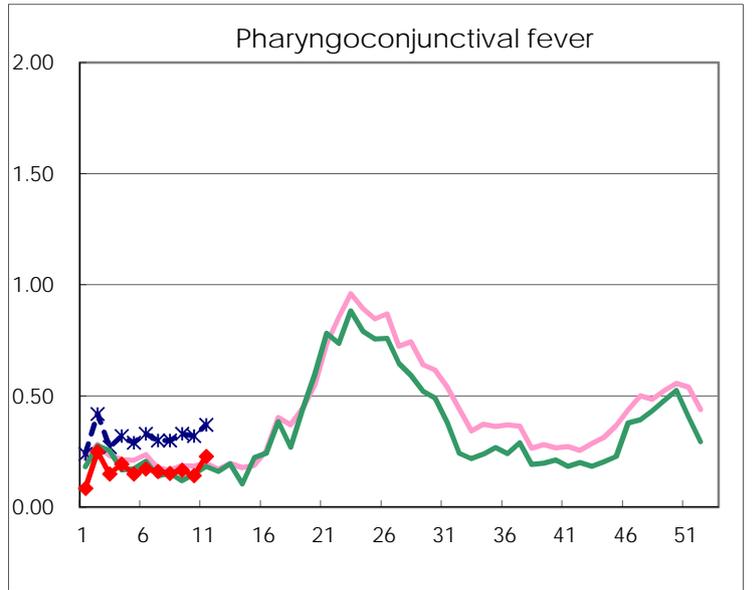
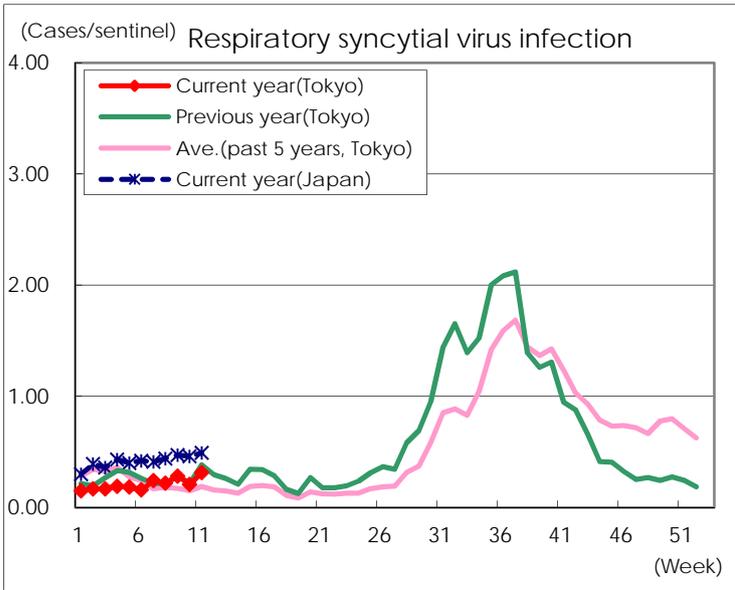
Category	Diseases	Tokyo					Japan	
		8th	9th	10th	11th	Cum 2019	11th	Cum 2019
V	Amebiasis	4	4	6	6	40	13	178
	Viral hepatitis(excluding hepatitis A and E)		3	2	6	20	8	73
	CRE infection	7	4	5	2	42	15	384
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)						1	12
	Acute encephalitis(excluding JE and WNE)	1	1	1	1	34	4	298
	Cryptosporidiosis				1	1	2	3
	Creutzfeldt-Jakob disease	2				7	2	33
	Severe invasive streptococcal infections(TSLs)	1	2		4	23	13	208
	Acquired immunodeficiency syndrome (AIDS)	5	7	11	12	87	15	216
	Giardiasis			1	1	3		9
	Invasive <i>Haemophilus influenzae</i> disease	1	2	2	1	24	9	141
	Invasive meningococcal disease					1	2	14
	Invasive pneumococcal disease	11	7	5	6	105	45	807
	Varicella (limited to hospitalized case)			2	3	12	4	84
	Congenital rubella syndrome							1
	Syphilis	39	46	25	36	362	92	1,267
	Disseminated cryptococcosis				1	3	1	31
	Tetanus							8
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection				1	1	1	18
	Pertussis	40	33	28	39	436	267	3,338
Rubella	33	41	34	25	280	74	937	
Measles	5	7	2	5	33	14	319	
MDRA infection					2	3	8	

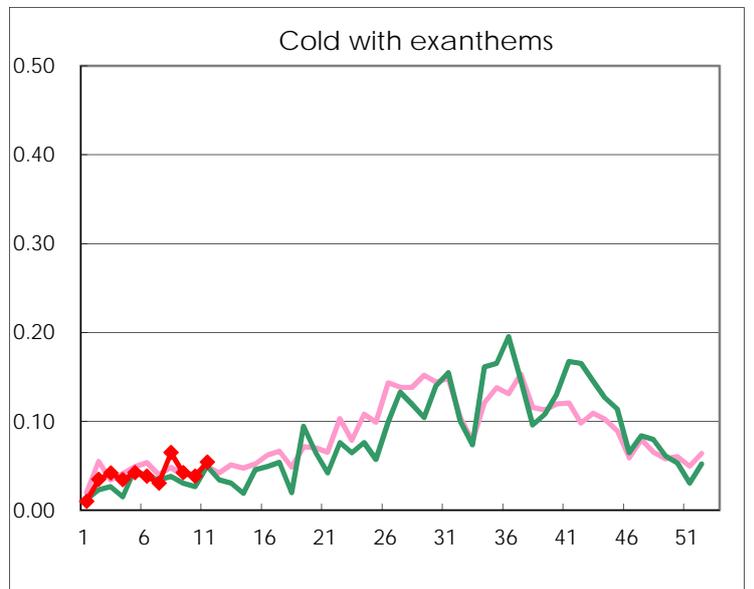
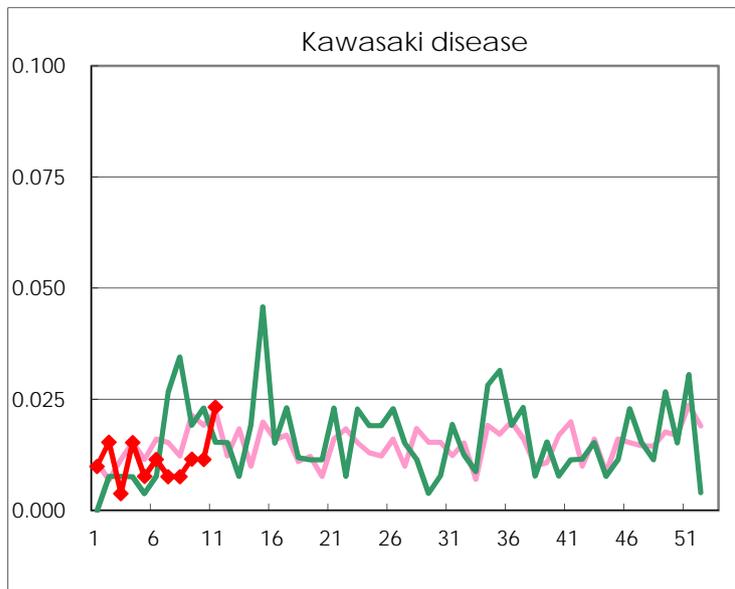
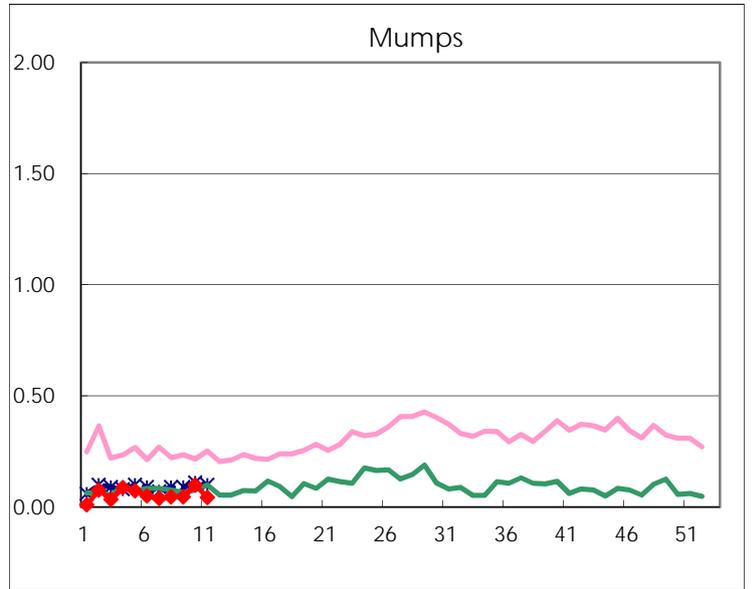
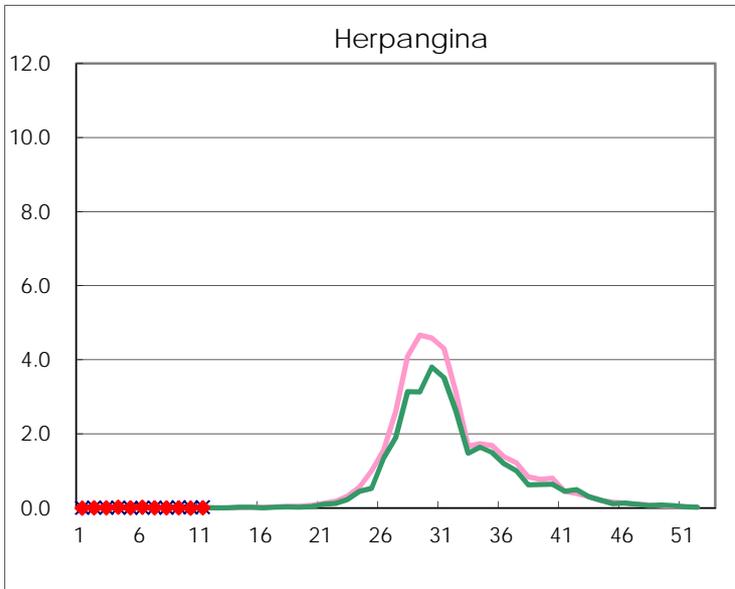
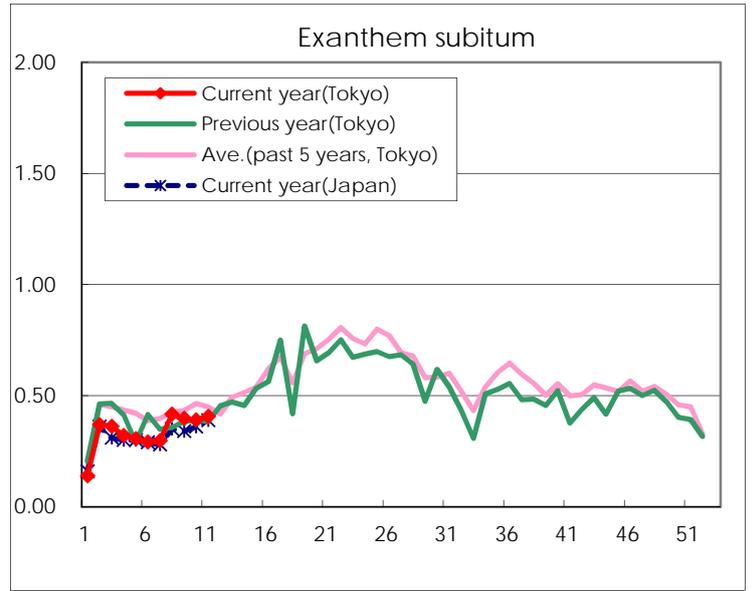
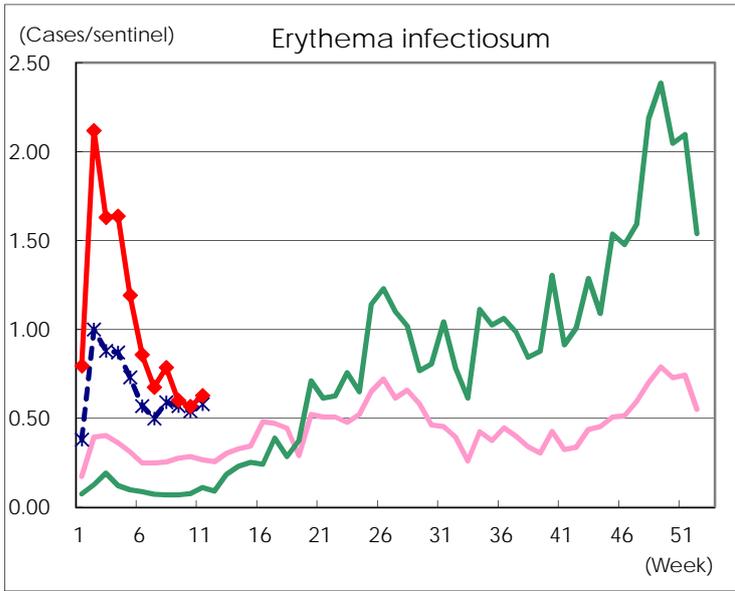
Number of patients with the diseases to be reported
by the designated clinics and hospitals

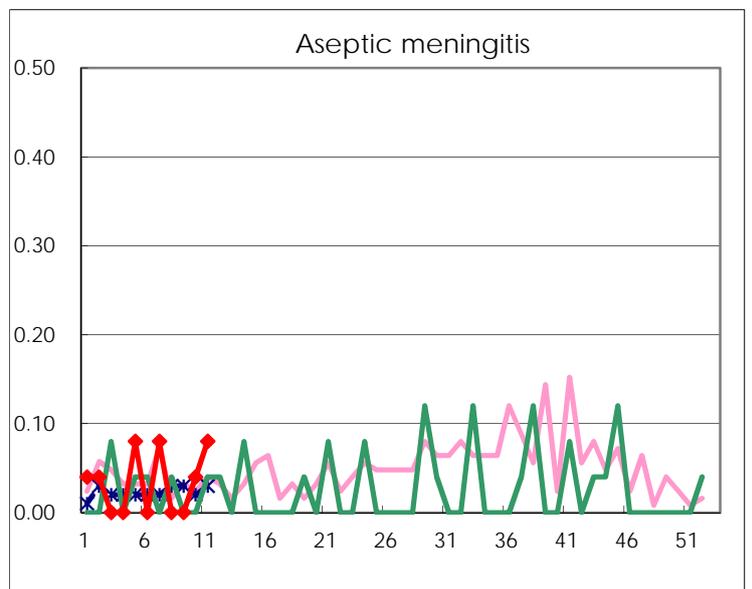
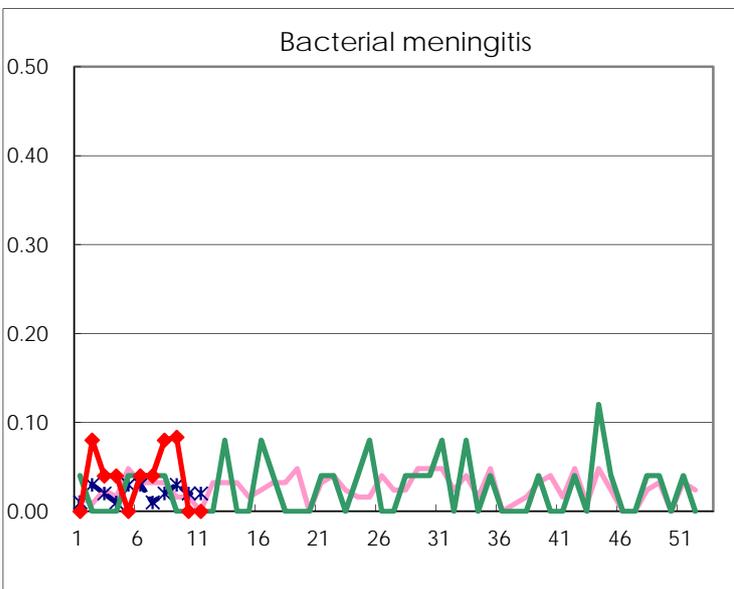
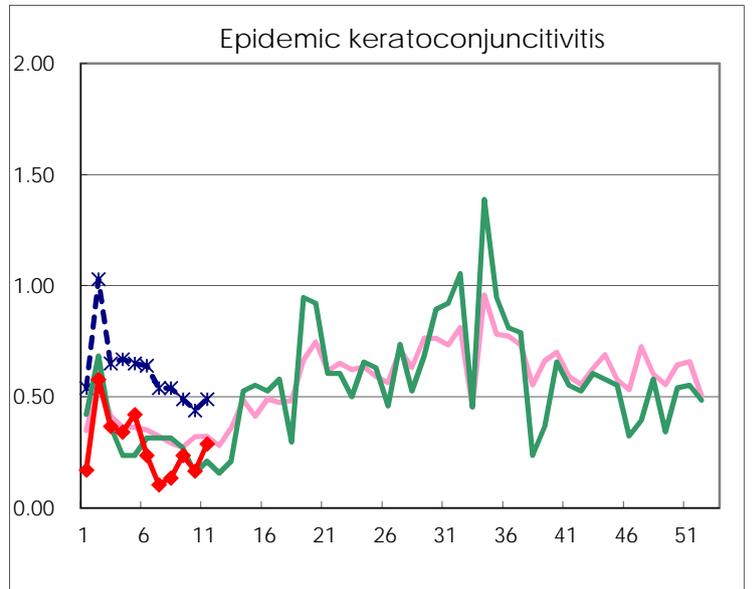
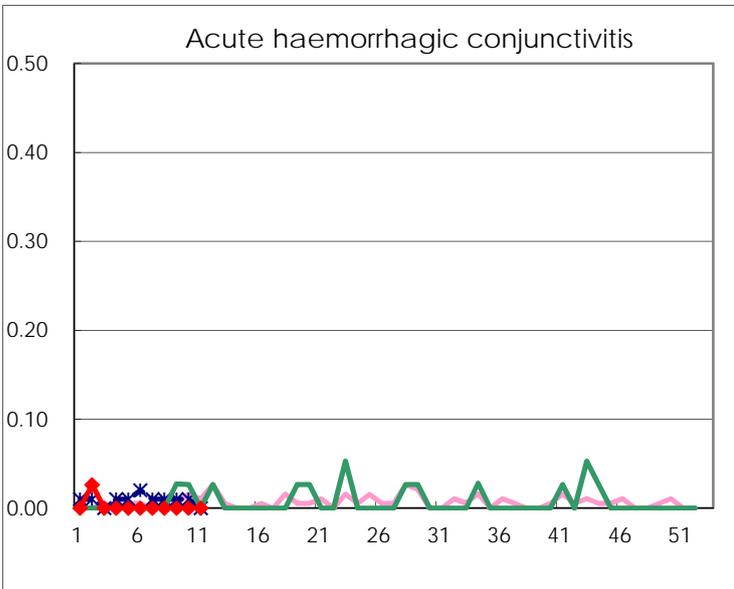
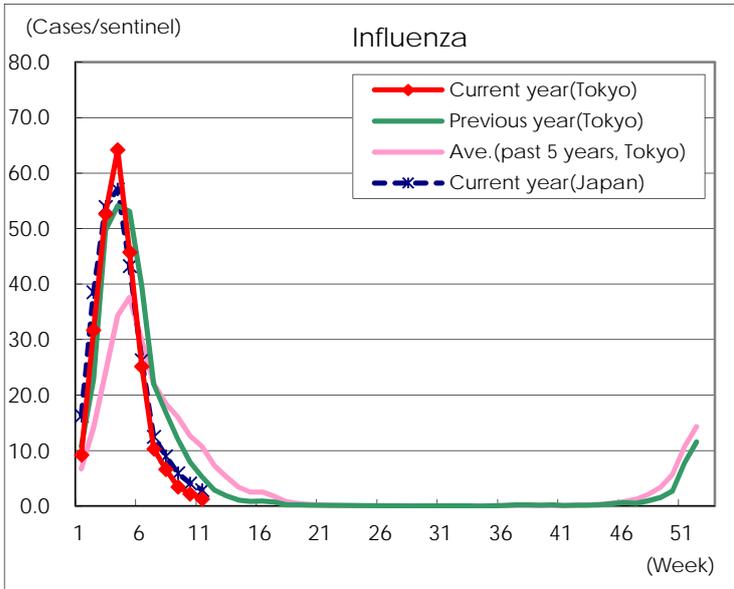
Diseases	Tokyo				
	8th	9th	10th	11th	/sentinel
Respiratory syncytial virus infection	57	73	54	81	0.31
Pharyngoconjunctival fever	40	43	37	59	0.23
Group A streptococcal pharyngitis	615	650	667	688	2.67
Infectious gastroenteritis	1,888	1,855	1,836	1,775	6.88
Chickenpox	91	101	83	113	0.44
Hand, foot, and mouth disease	19	17	12	30	0.12
Erythema infectiosum	206	156	148	162	0.63
Exanthem subitum	109	103	102	105	0.41
Herpangina	2	3		3	0.01
Mumps	12	12	26	11	0.04
Kawasaki disease	2	3	3	6	0.02
Cold with exanthems	17	11	10	14	0.05
Influenza	2,739	1,434	920	525	1.27
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	5	9	6	11	0.29
Bacterial meningitis	2	2			
Aseptic meningitis			1	2	0.08
<i>Mycoplasma pneumoniae</i>		4	2	2	0.08
Chlamydial pneumonia (excluding psittacosis)				1	0.04
Infectious gastroenteritis (only by Rotavirus)	3	6	4	8	0.32
Influenza-Associated Hospitalizations	36	21	12	10	0.40

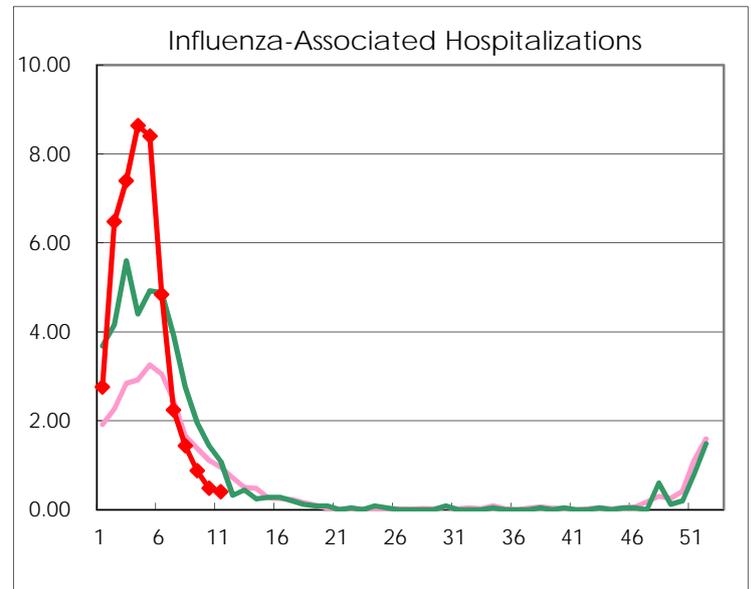
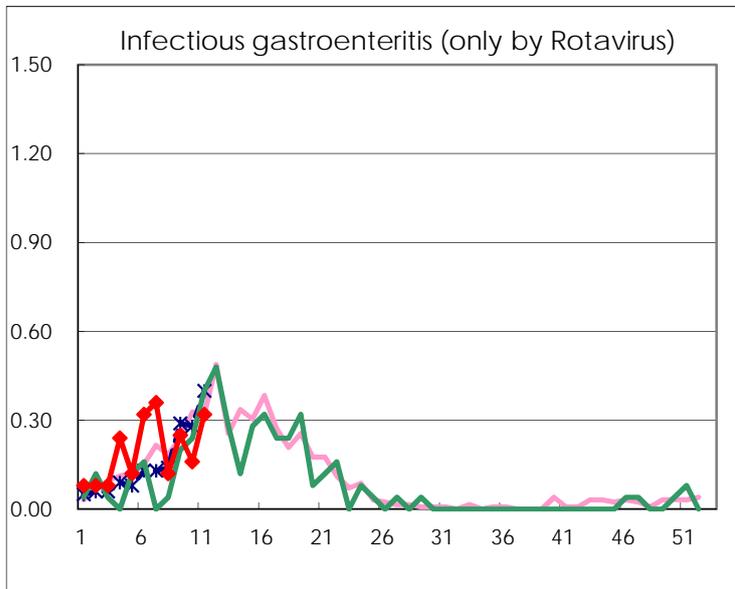
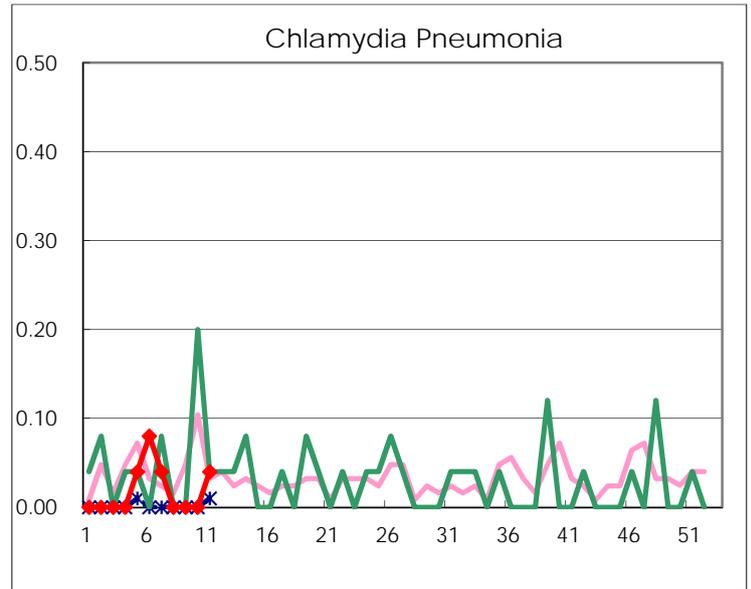
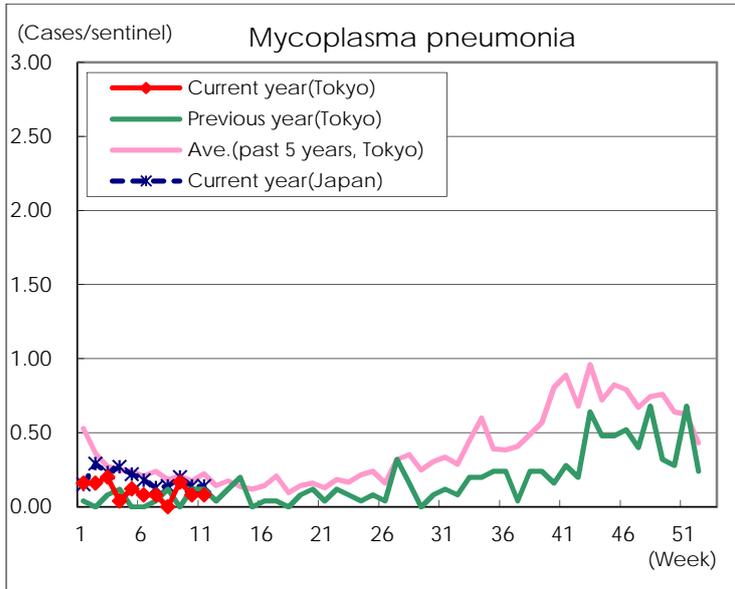
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	258
Influenza	419	412
Ophthalmic	39	38
Specially-designated	25	25