

1 March 2018 / Number 8

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	
		5th	6th	7th	8th	Cum 2018	8th	Cum 2018
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	75	57	33	51	408	289	2,777
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							2
	Shigellosis	2	2	2	2	11	4	32
	Enterohemorrhagic Escherichia coli infection	1	2	1	2	9	9	80
	Typhoid fever		1			2		10
	Paratyphoid fever		1	1		2		3
IV	Hepatitis E	1		3	2	10	4	42
	West Nile fever							
	Hepatitis A	1	8	3	9	29	13	65
	Echinococcosis							
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							1
	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)		2		1	4	1	37
	Dengue fever		1	1	1	9	1	13
	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	
Malaria						1	6	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	3	3	3	2	15	14	159	
Leptospirosis								
Rocky mountain spotted fever								

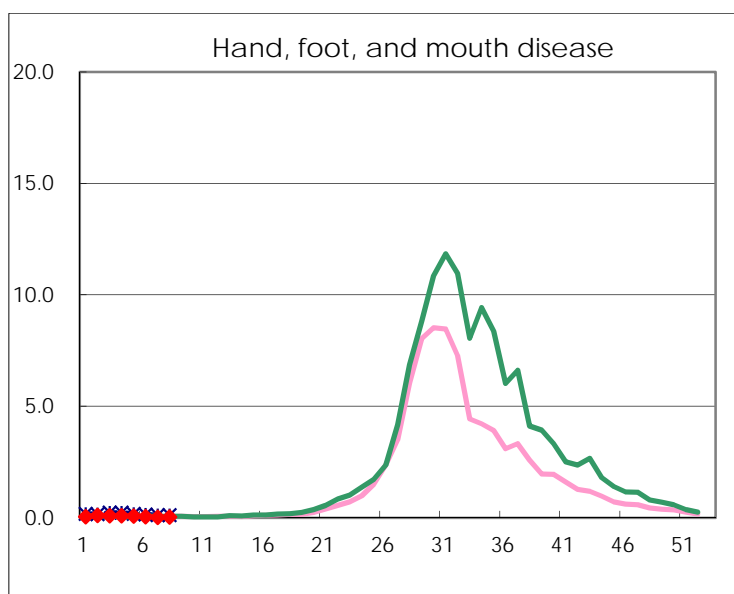
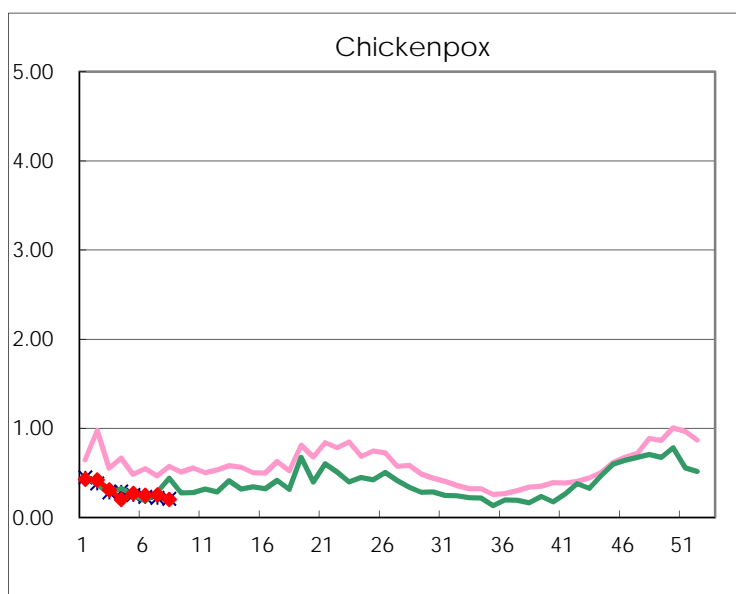
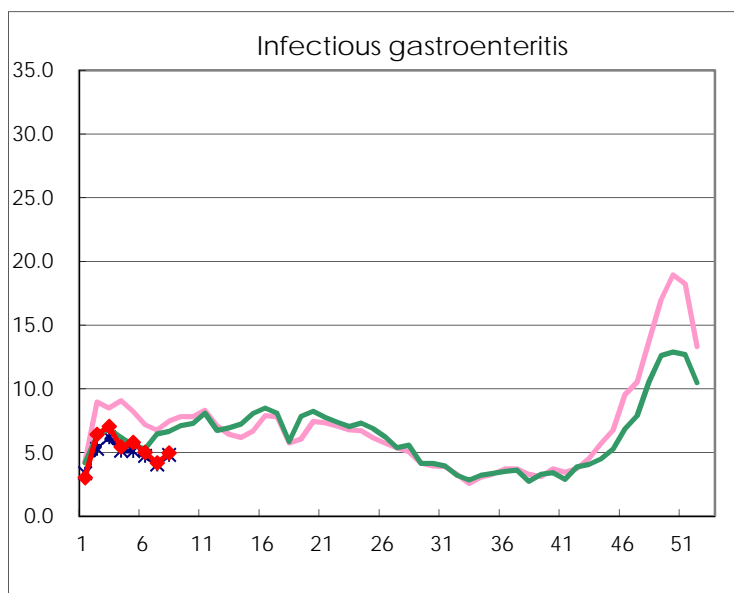
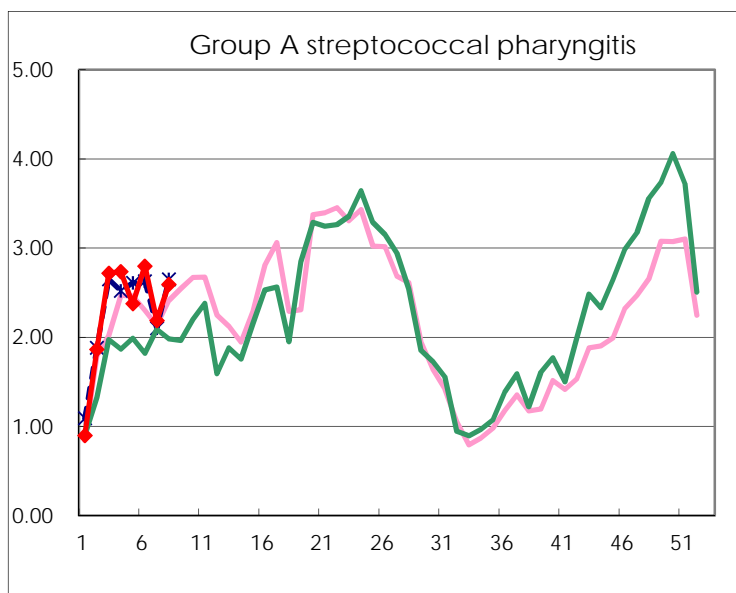
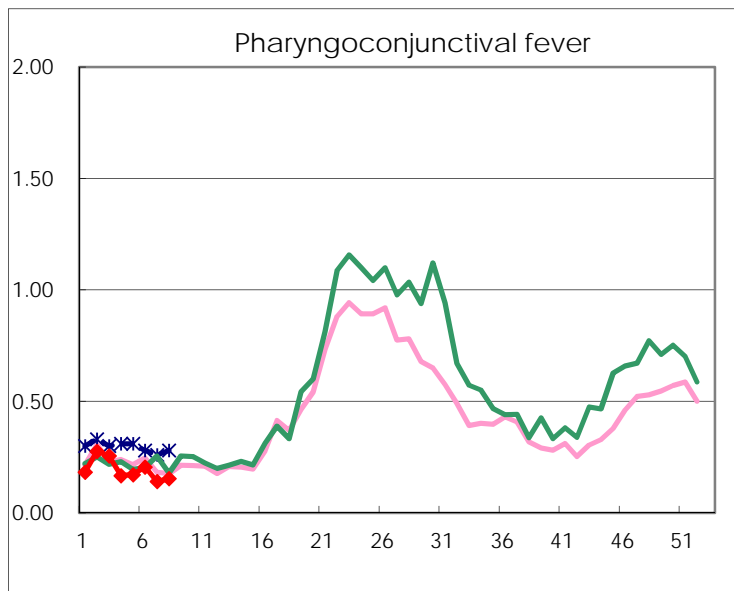
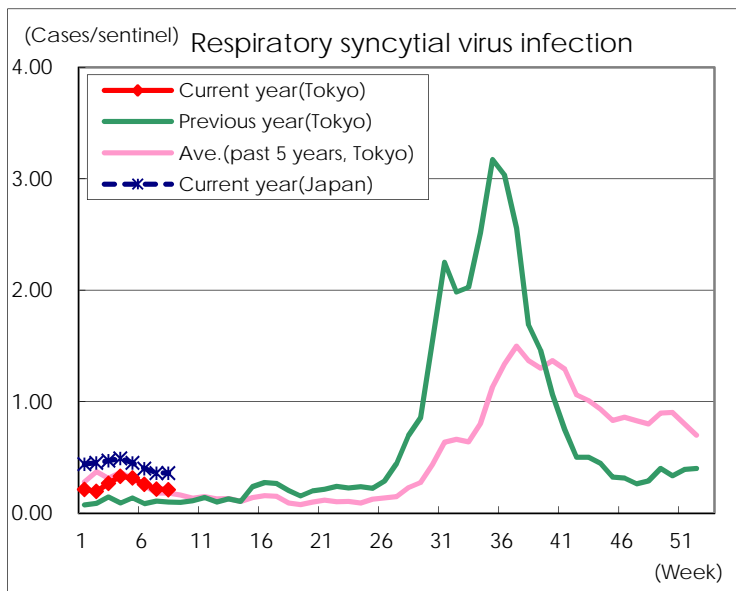
Category	Diseases	Tokyo				Cum 2018	Japan	
		5th	6th	7th	8th		8th	Cum 2018
V	Amebiasis	4		5	2	20	7	106
	Viral hepatitis(excluding hepatitis A and E)		2			3		24
	CRE infection		2	3	1	18	23	223
	Acute encephalitis(excluding JE and WNE)	5	1	1		19	6	183
	Cryptosporidiosis							2
	Creutzfeldt-Jakob disease		1			3	2	27
	Severe invasive streptococcal infections(TSLs)	4	5		2	20	10	137
	Acquired immunodeficiency syndrome (AIDS)	8	13	4	12	56	16	170
	Giardiasis					3	1	12
	Invasive <i>Haemophilus influenzae</i> disease		1			3	4	70
	Invasive meningococcal disease				1	2		6
	Invasive pneumococcal disease	9	14	7	11	94	50	676
	Varicella (limited to hospitalized case)	2	1		1	5	3	50
	Congenital rubella syndrome							
	Syphilis	39	27	22	21	216	69	768
	Disseminated cryptococcosis		2		1	5	2	19
	Tetanus							5
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							5
	Pertussis	8	9	2	6	46	51	428
Rubella							4	
Measles						1	3	
MDRA infection							3	

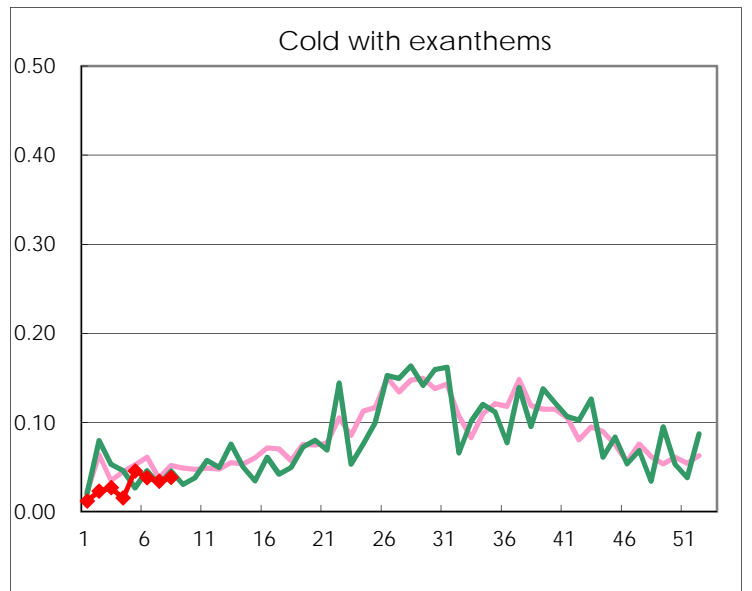
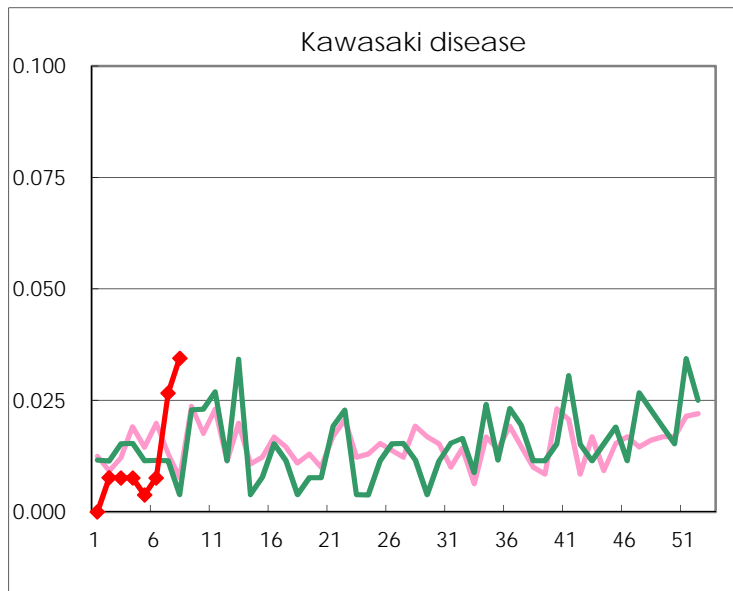
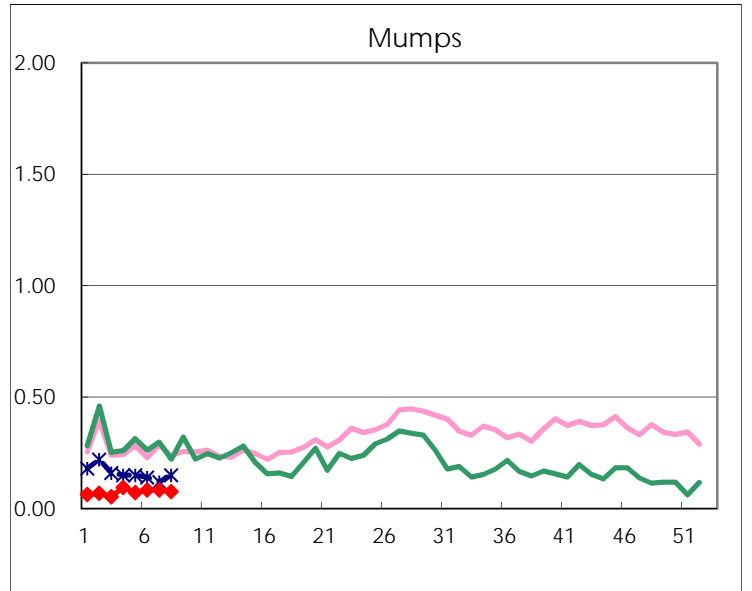
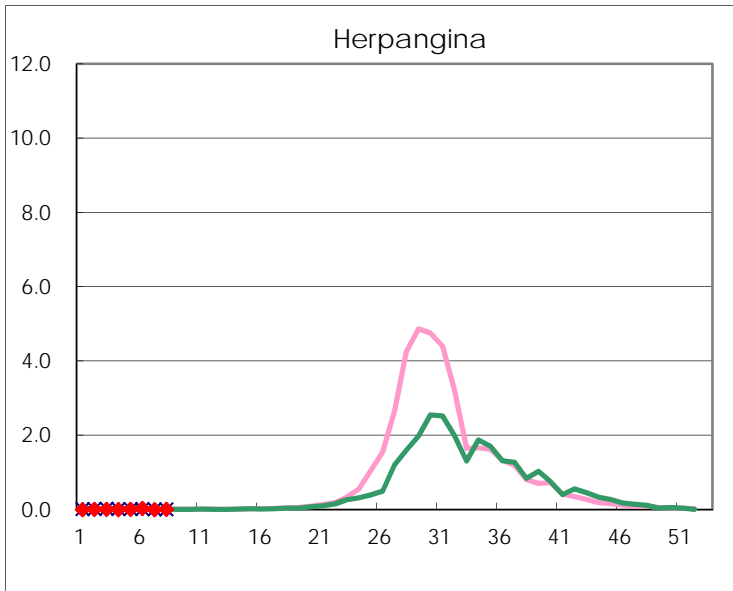
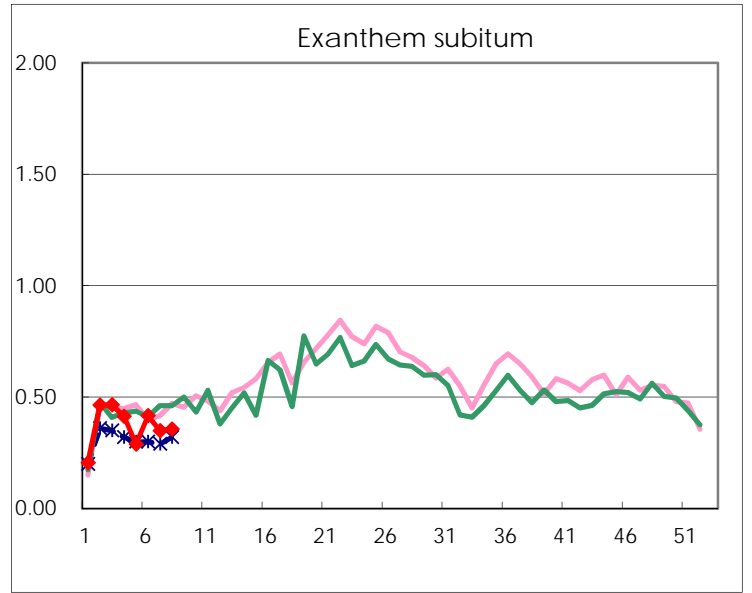
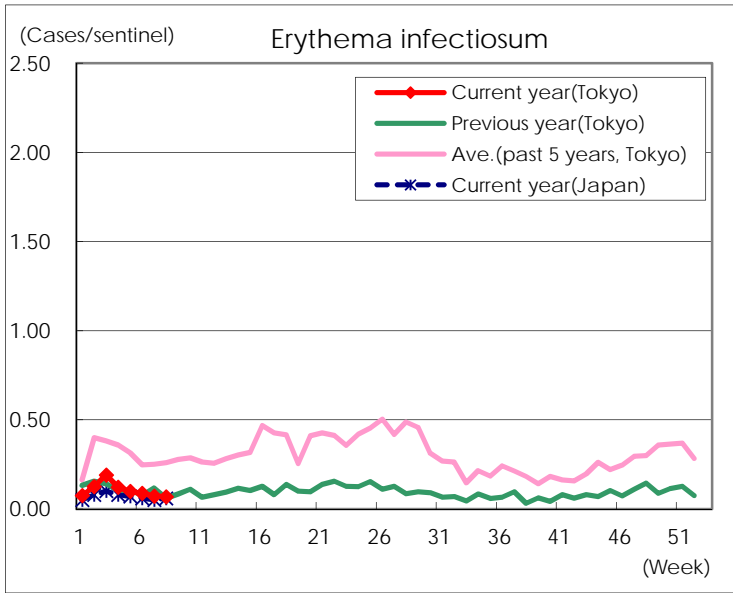
Number of patients with the diseases to be reported
by the designated clinics and hospitals

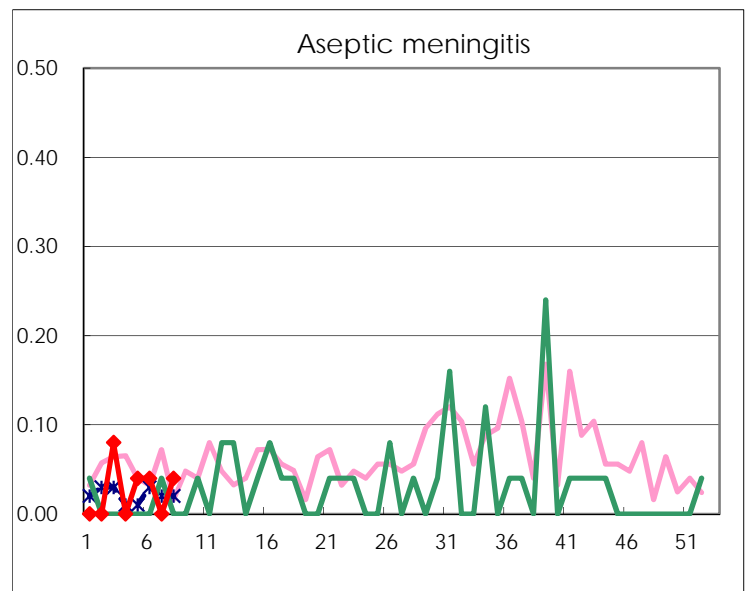
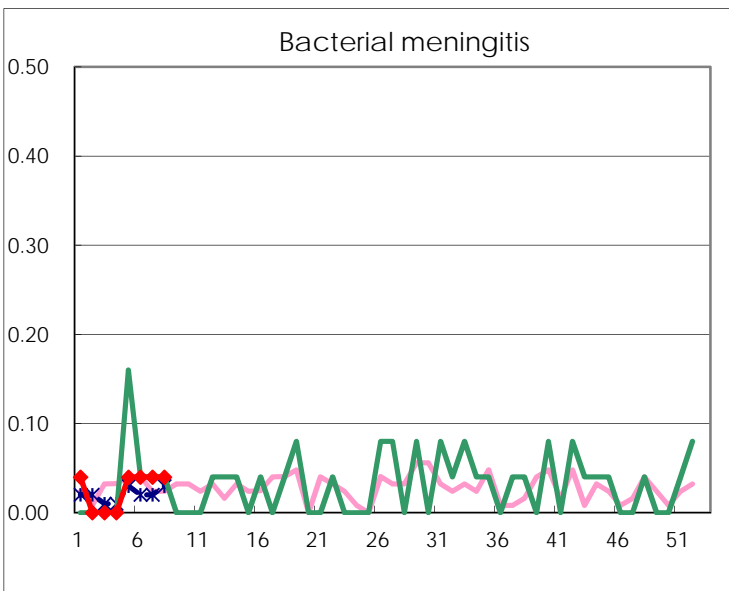
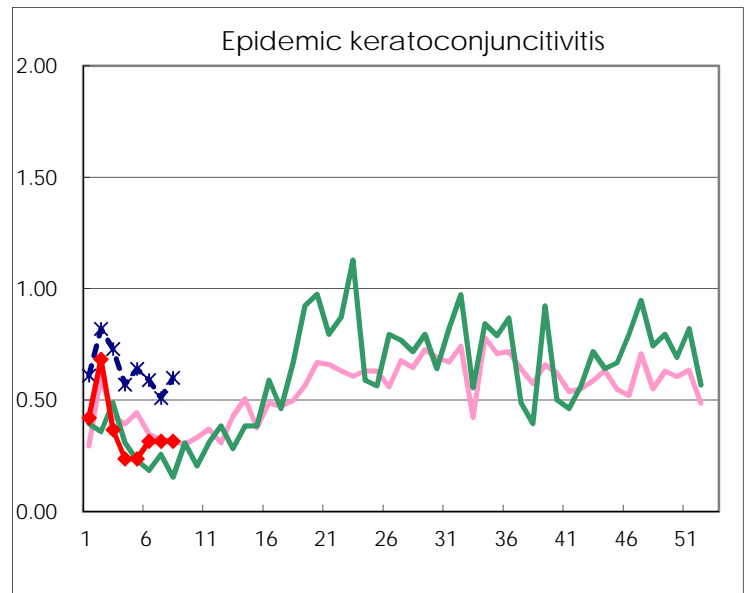
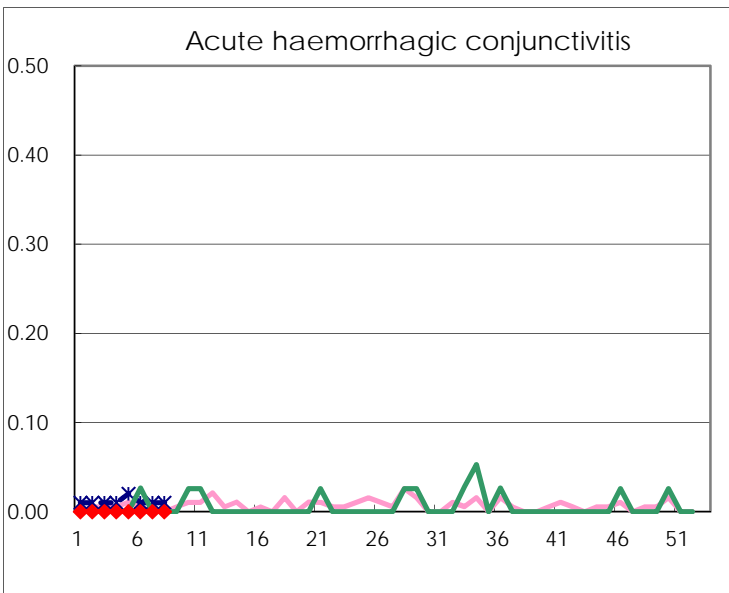
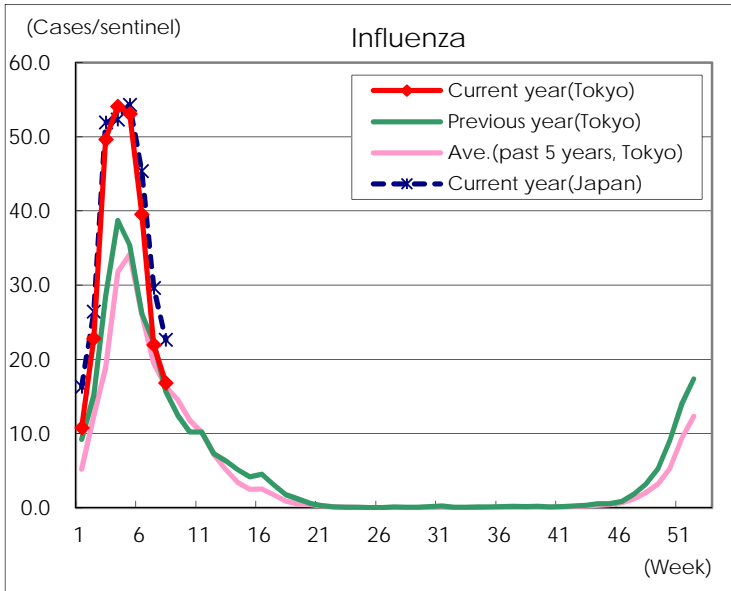
Diseases	Tokyo				
	5th	6th	7th	8th	/sentinel
Respiratory syncytial virus infection	83	68	57	55	0.21
Pharyngoconjunctival fever	45	54	37	40	0.15
Group A streptococcal pharyngitis	625	733	575	677	2.59
Infectious gastroenteritis	1,518	1,313	1,096	1,290	4.94
Chickenpox	71	65	66	53	0.20
Hand, foot, and mouth disease	20	13	4	8	0.03
Erythema infectiosum	26	23	19	18	0.07
Exanthem subitum	76	109	92	93	0.36
Herpangina	3	9		3	0.01
Mumps	19	22	22	20	0.08
Kawasaki disease	1	2	7	9	0.03
Cold with exanthsms	12	10	9	10	0.04
Influenza	22,104	16,376	9,137	6,963	16.82
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	9	12	12	12	0.32
Bacterial meningitis	1	1	1	1	0.04
Aseptic meningitis	1	1		1	0.04
Mycoplasma pneumonia			1	3	0.12
Chlamydial pneumonia (excluding psittacosis)	1		1		
Infectious gastroenteritis (only by Rotavirus)	3	4	1	1	0.04
Influenza-Associated Hospitalizations	123	122	98	65	2.83

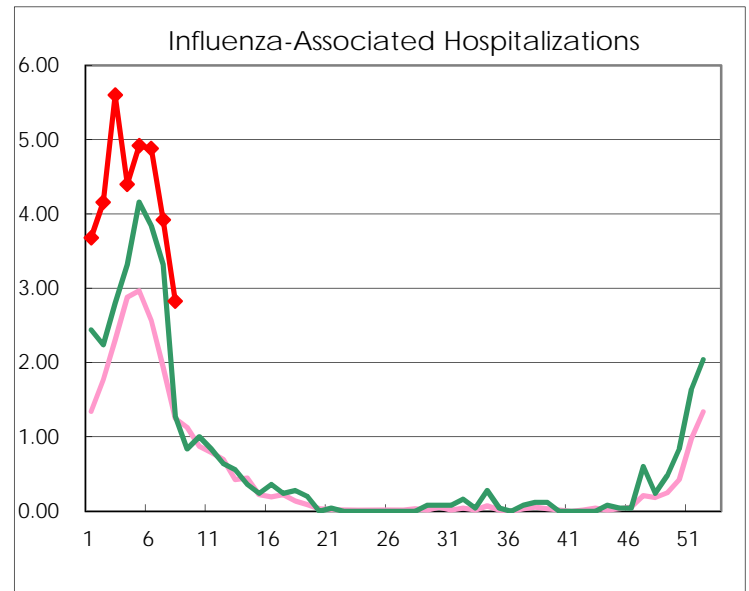
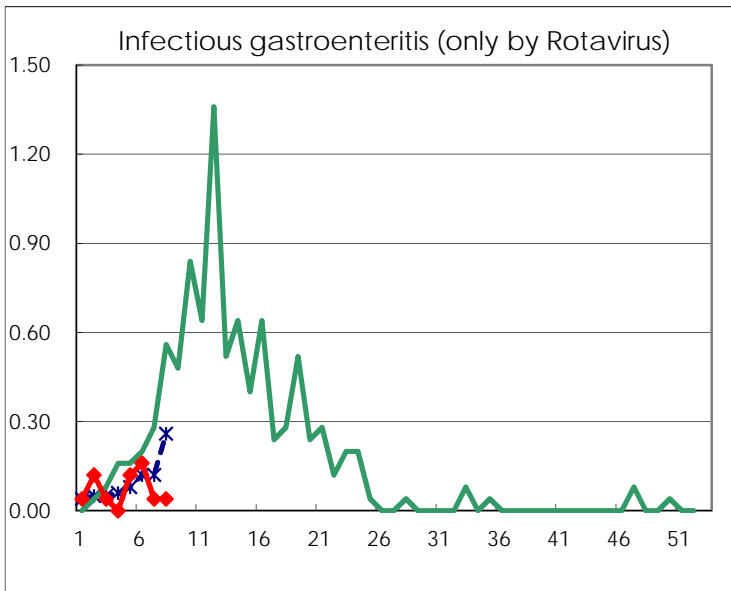
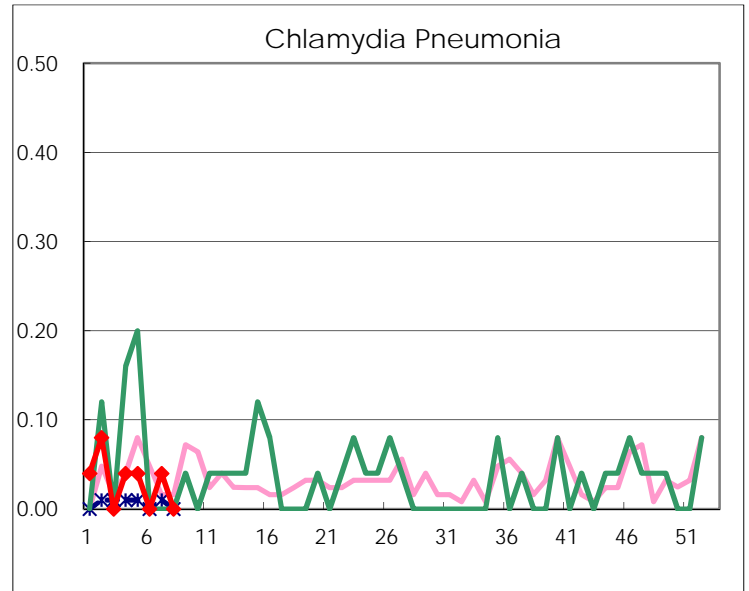
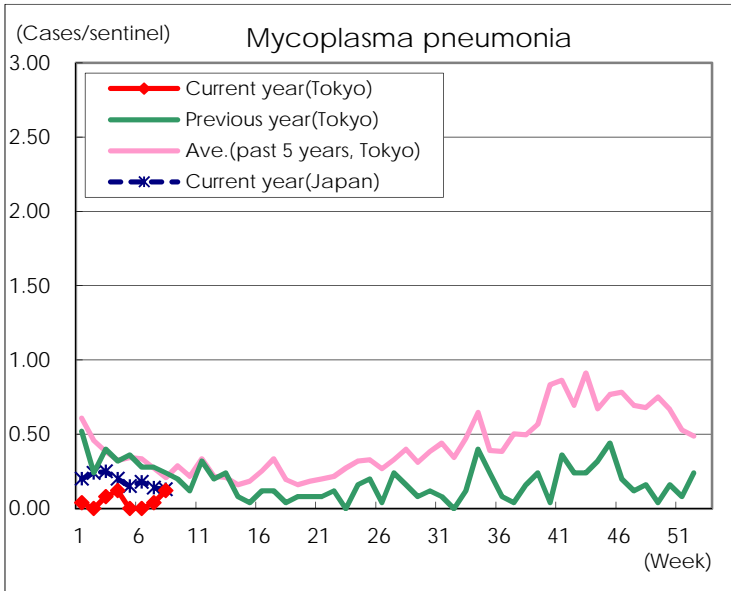
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









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