

28 February 2019 / 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 2019	8th	Cum 2019	
I	Ebola hemorrhagic fever								
	Crimean-Congo hemorrhagic fever								
	Smallpox								
	South American hemorrhagic fever								
	Plague								
	Marburg disease								
	Lassa fever								
II	Acute poliomyelitis								
	Tuberculosis	50	56	47	66	399	352	2,733	
	Diphtheria								
	Severe Acute Respiratory Syndrome(SARS)								
	Middle East Respiratory Syndrome (MERS)								
	Avian influenza H5N1								
	Avian influenza H7N9								
III	Cholera								
	Shigellosis					2	2	10	
	Enterohemorrhagic Escherichia coli infection	4			4	18	20	156	
	Typhoid fever					1	1	5	
	Paratyphoid fever		1			1		3	
IV	Hepatitis E	3	1	2	4	16	8	57	
	West Nile fever								
	Hepatitis A	1	2	1	2	11	2	84	
	Echinococcosis							1	
	Yellow fever								
	Psittacosis							2	
	Omsk hemorrhagic fever								
	Relapsing fever								
	Kyasanur forest disease								
	Q fever								
	Rabies								
	Coccidioidomycosis							1	
	Monkeypox								
	Zika virus infection								
	Severe Fever with Thrombocytopenia Syndrome							1	
	Hemorrhagic fever with renal syndrome								
	Western equine encephalitis								
	Tick-borne encephalitis								
	Anthrax								
	Chikungunya fever							1	1
	Scrub typhus(Tsutsugamushi disease)							2	40
	Dengue fever	2		2		16		5	41
	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									
Malaria						2		5	
Tularemia									
Lyme disease									
Lyssavirus infection(excluding rabies)									
Rift valley fever									
Melioidosis									
Legionellosis	7	3	1	1	24		24	219	
Leptospirosis									
Rocky mountain spotted fever									

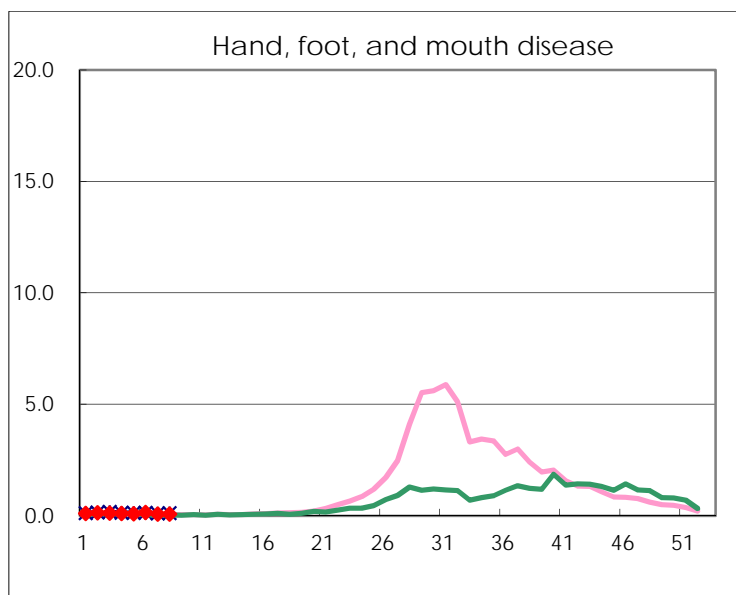
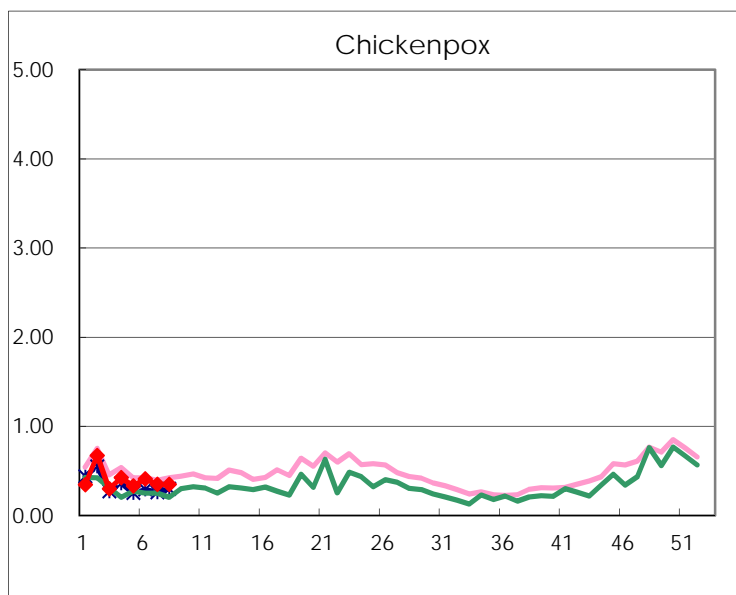
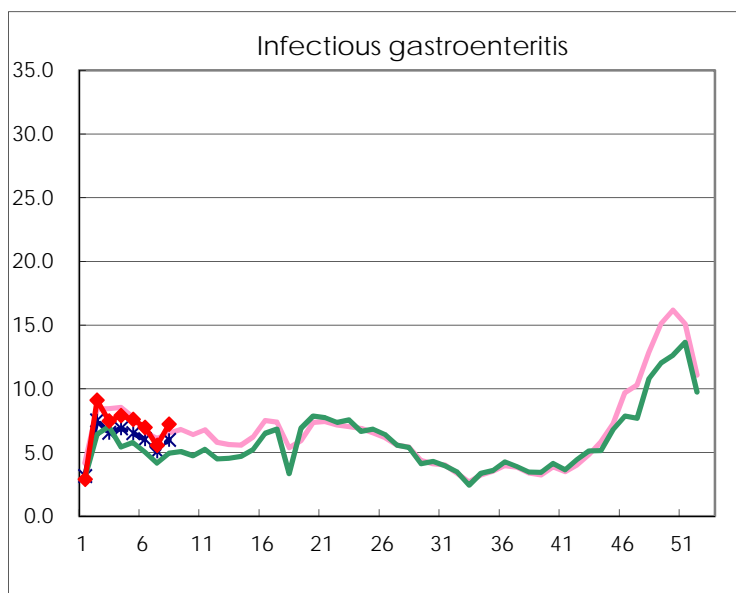
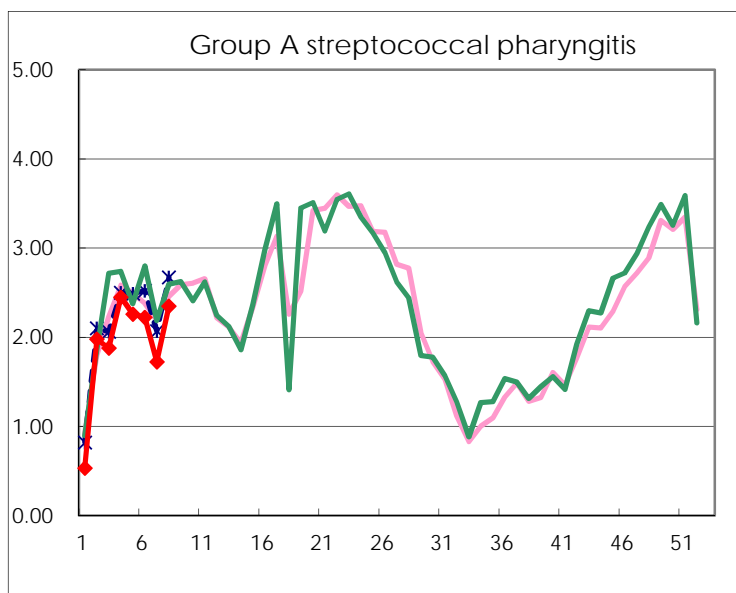
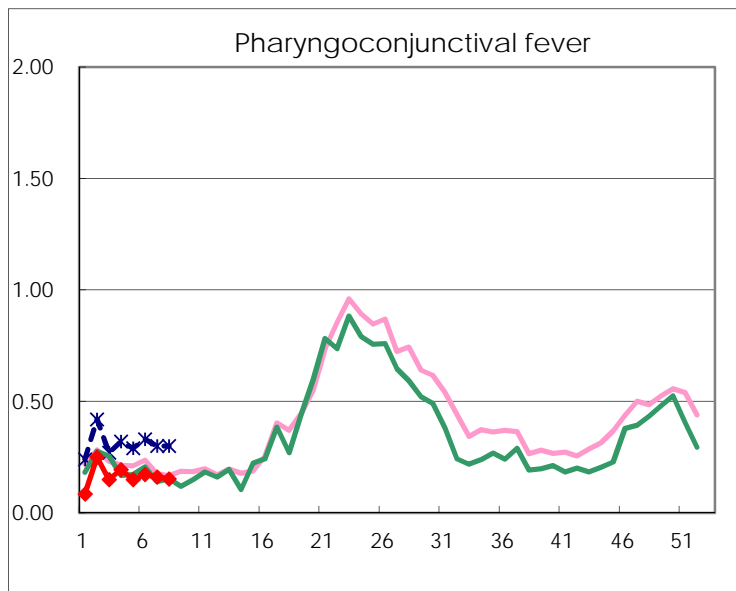
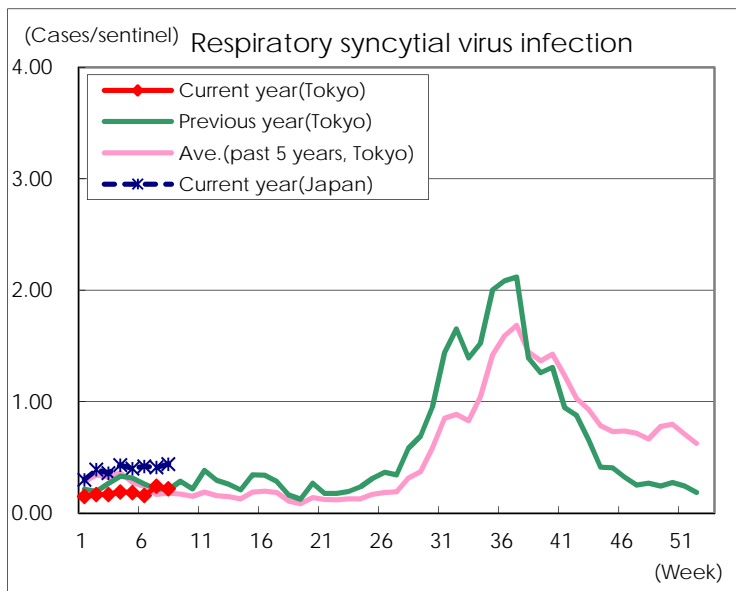
Category	Diseases	Tokyo					Japan	
		5th	6th	7th	8th	Cum 2019	8th	Cum 2019
V	Amebiasis	5	5		4	24	18	115
	Viral hepatitis(excluding hepatitis A and E)	2	3	1		9	3	46
	CRE infection	4		3	7	31	25	291
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)						1	11
	Acute encephalitis(excluding JE and WNE)	5	4	4	1	31	6	264
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease	2		2	2	7	3	25
	Severe invasive streptococcal infections(TSLs)	1	4	1	1	17	18	161
	Acquired immunodeficiency syndrome (AIDS)	11	7	12	5	56	13	145
	Giardiasis					1	1	6
	Invasive <i>Haemophilus influenzae</i> disease	3	1	1	1	19	6	114
	Invasive meningococcal disease	1				1	1	11
	Invasive pneumococcal disease	15	6	7	10	86	37	620
	Varicella (limited to hospitalized case)		2	1		7	6	59
	Congenital rubella syndrome							1
	Syphilis	33	31	39	37	253	94	834
	Disseminated cryptococcosis	1				2	4	20
	Tetanus						1	8
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection							10
	Pertussis	66	40	32	40	336	242	2,332
Rubella	24	26	13	32	179	109	650	
Measles	1		3	5	19	33	258	
MDRA infection	1				2		4	

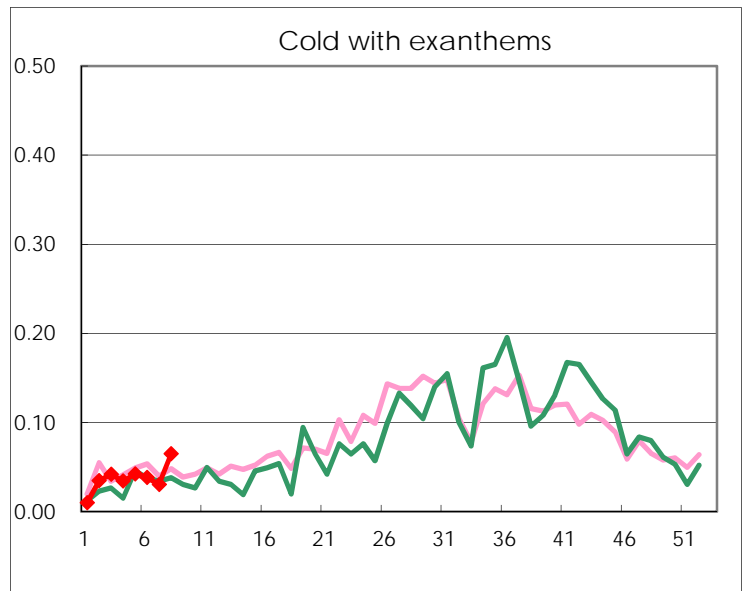
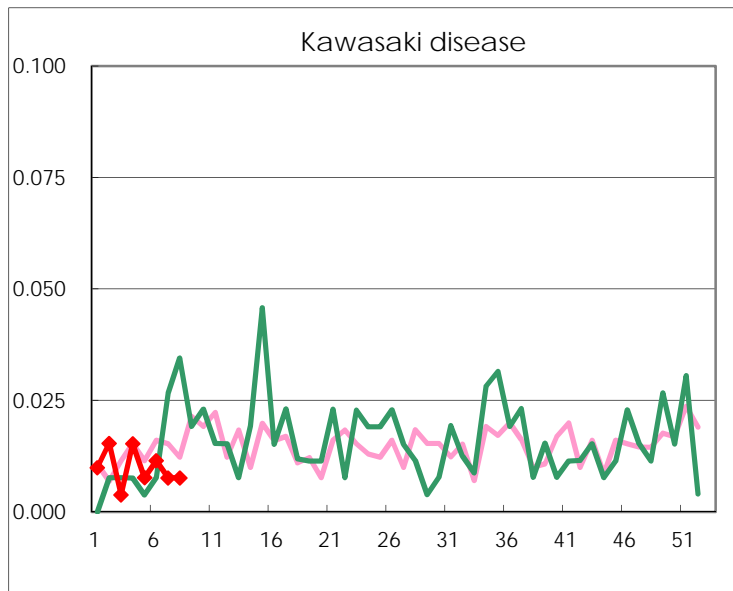
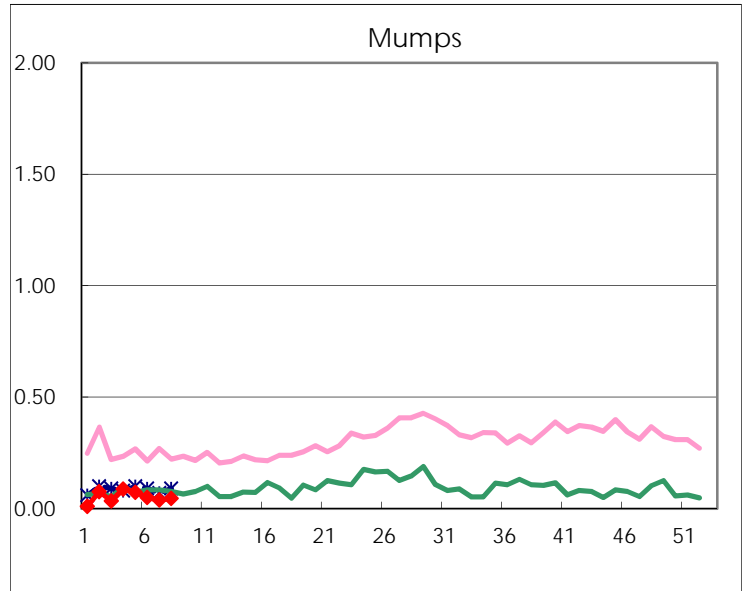
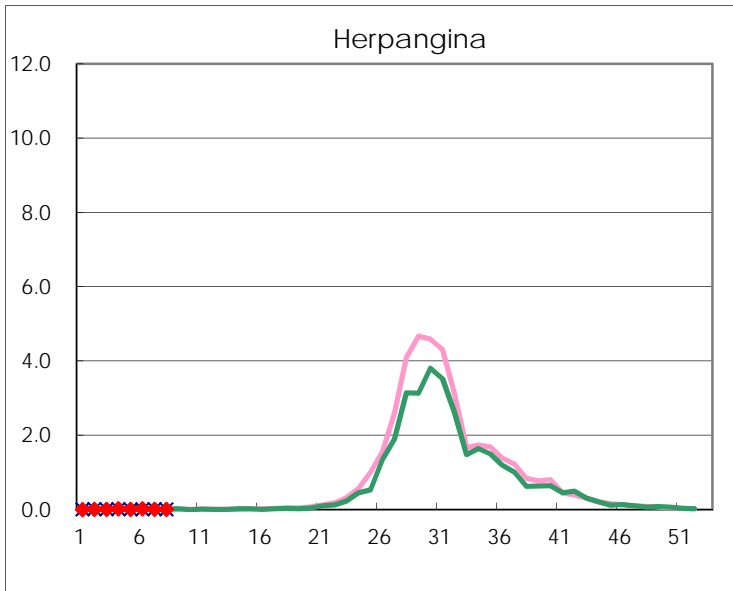
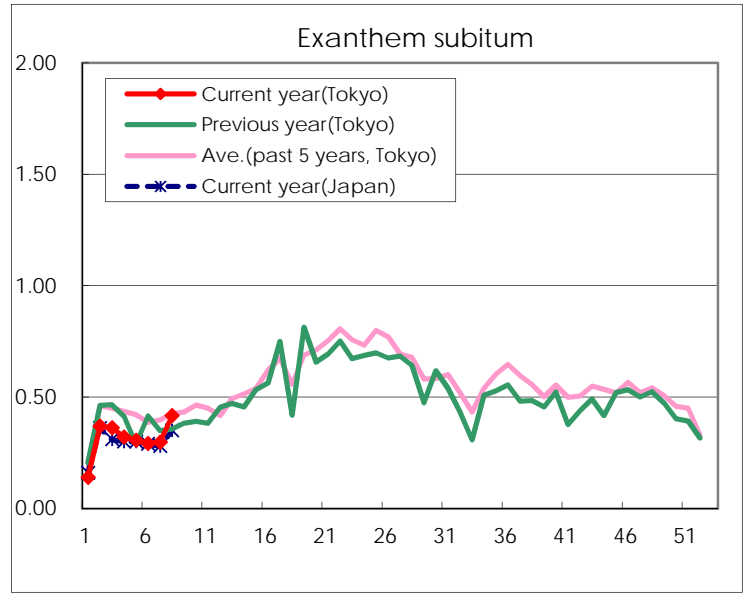
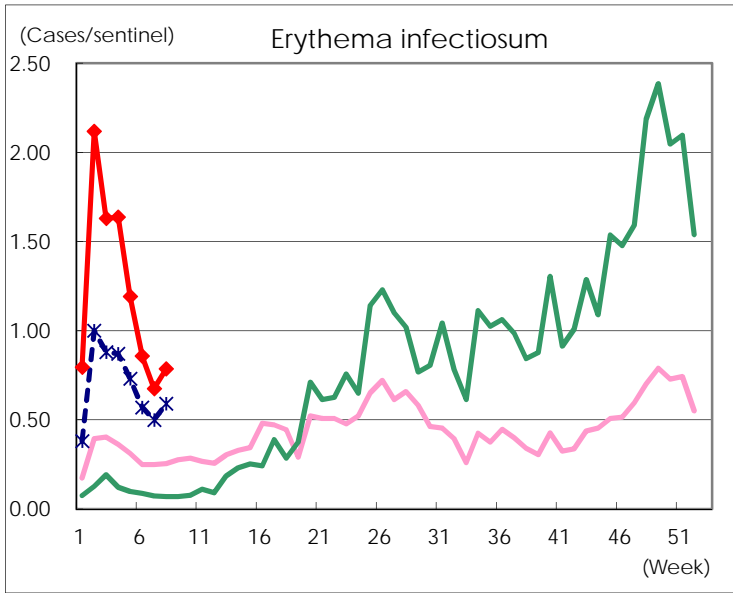
Number of patients with the diseases to be reported
by the designated clinics and hospitals

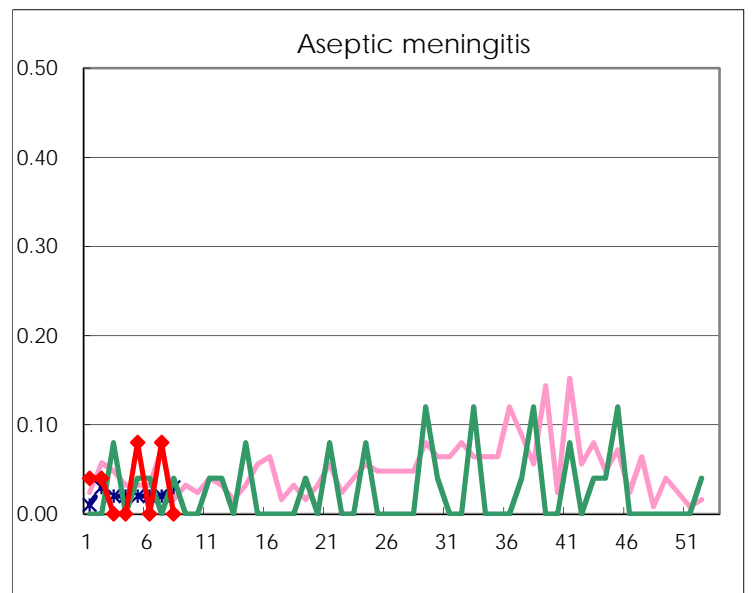
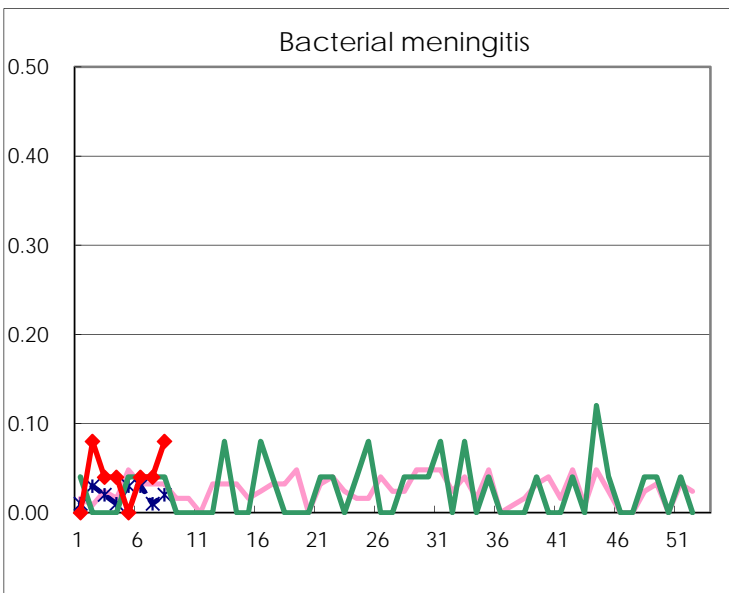
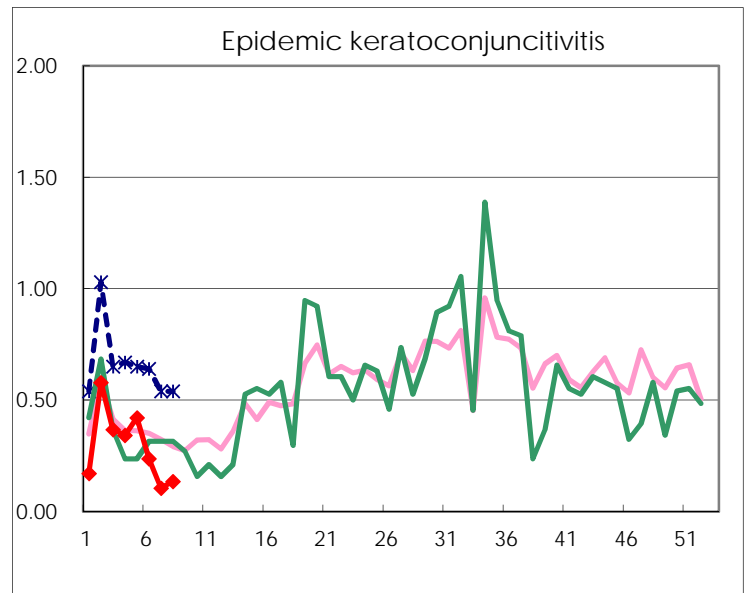
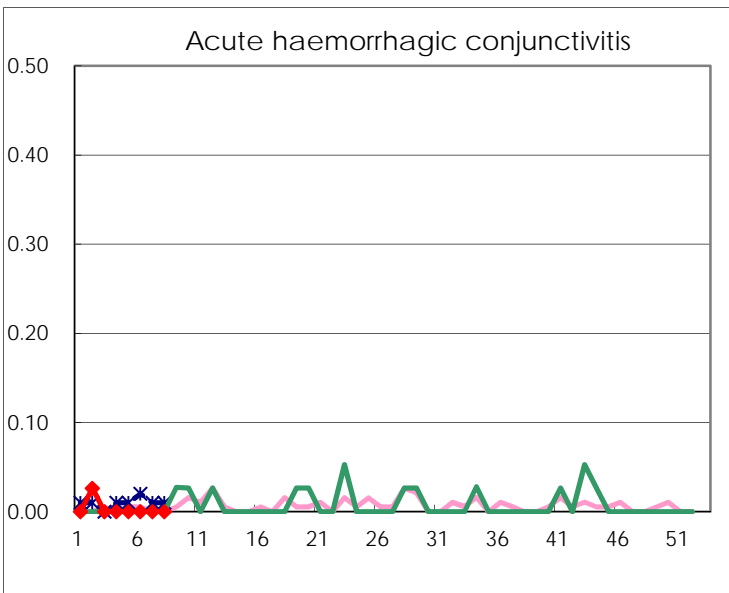
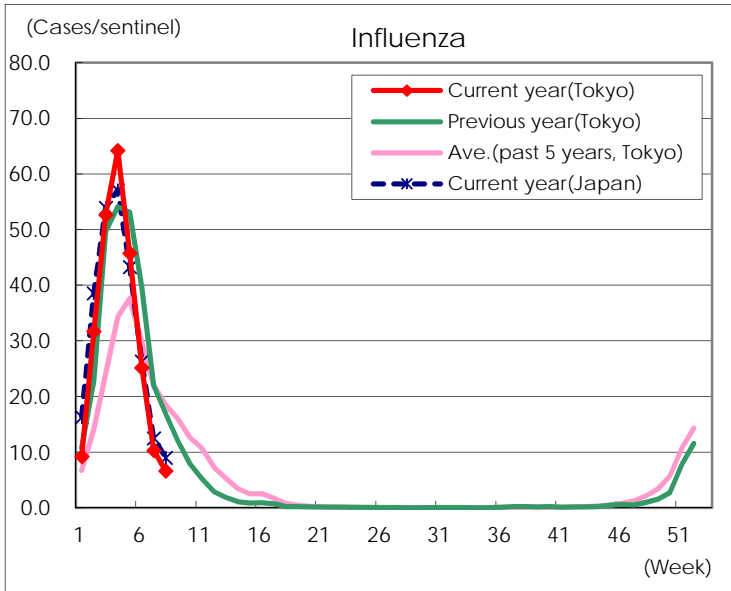
Diseases	Tokyo				
	5th	6th	7th	8th	/sentinel
Respiratory syncytial virus infection	48	41	63	57	0.22
Pharyngoconjunctival fever	39	45	42	40	0.15
Group A streptococcal pharyngitis	590	580	452	615	2.35
Infectious gastroenteritis	1,981	1,819	1,453	1,888	7.21
Chickenpox	86	107	91	91	0.35
Hand, foot, and mouth disease	24	37	20	19	0.07
Erythema infectiosum	311	224	177	206	0.79
Exanthem subitum	80	76	78	109	0.42
Herpangina	2	6	3	2	0.01
Mumps	19	13	10	12	0.05
Kawasaki disease	2	3	2	2	0.01
Cold with exanthems	11	10	8	17	0.06
Influenza	18,926	10,421	4,281	2,739	6.62
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	16	9	4	5	0.14
Bacterial meningitis		1	1	2	0.08
Aseptic meningitis	2		2		
<i>Mycoplasma pneumoniae</i>	3	2	2		
Chlamydial pneumonia (excluding psittacosis)	1	2	1		
Infectious gastroenteritis (only by Rotavirus)	3	8	9	3	0.12
Influenza-Associated Hospitalizations	210	121	56	36	1.44

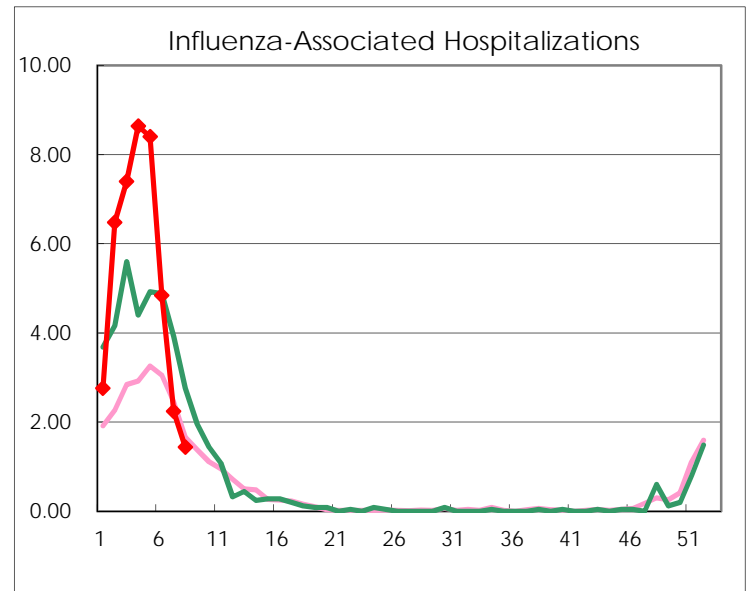
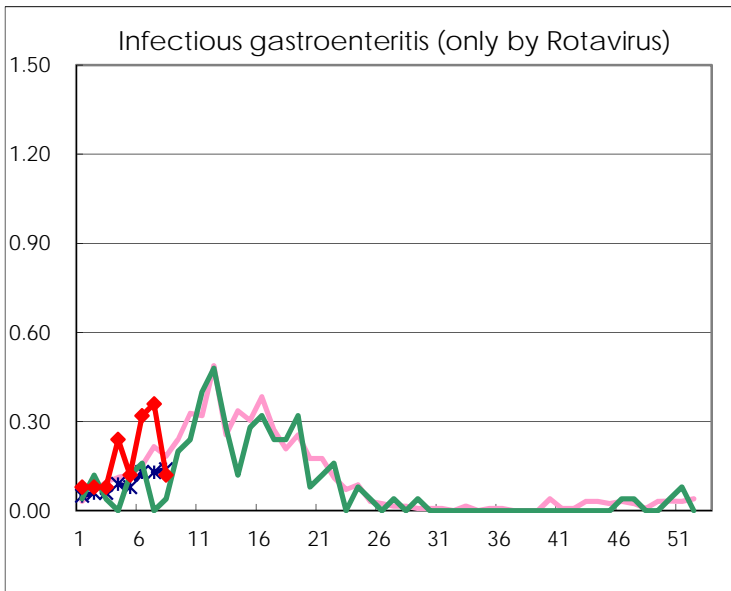
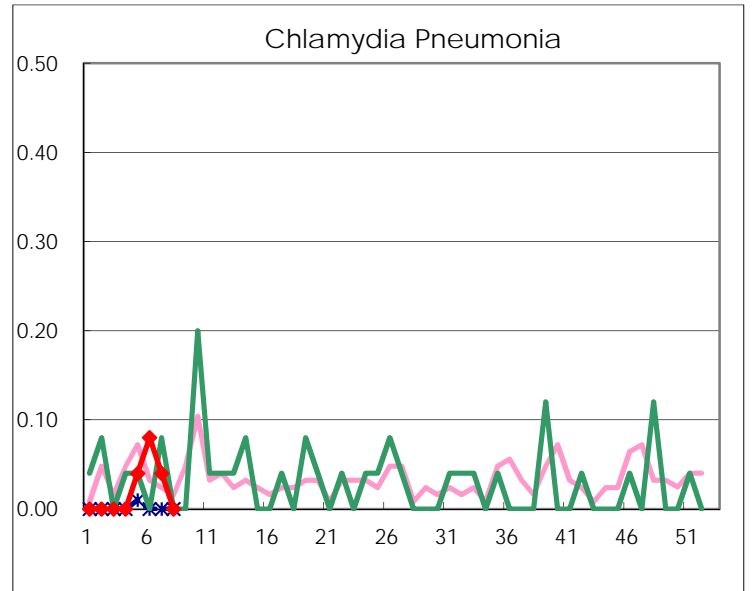
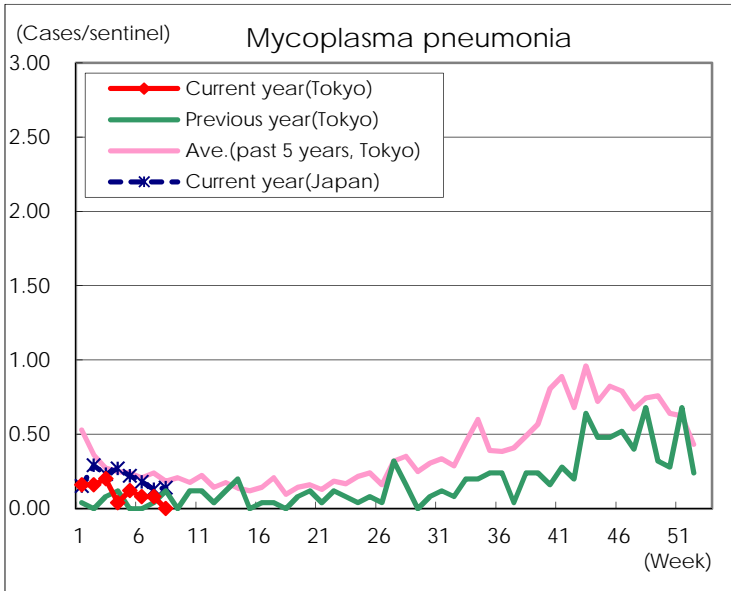
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	262
Influenza	419	414
Ophthalmic	39	37
Specially-designated	25	25