

8 May 2019 / Number 17

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.

Tokyo Metropolitan Institute of Public Health

TEL:81-3-3363-3213 FAX:81-3-5332-7365

e-mail:www@tokyo-eiken.go.jp

URL:idsc.tokyo-eiken.go.jp/

Number of patients with the diseases which all physicians must report

Category	Diseases	Tokyo					Japan		
		14th	15th	16th	17th	Cum 2019	17th	Cum 2019	
I	Ebola hemorrhagic fever								
	Crimean-Congo hemorrhagic fever								
	Smallpox								
	South American hemorrhagic fever								
	Plague								
	Marburg disease								
	Lassa fever								
II	Acute poliomyelitis								
	Tuberculosis	66	74	69	48	960	317	6,553	
	Diphtheria								
	Severe Acute Respiratory Syndrome(SARS)								
	Middle East Respiratory Syndrome (MERS)								
	Avian influenza H5N1								
	Avian influenza H7N9								
III	Cholera					1	1	2	
	Shigellosis			1		7		30	
	Enterohemorrhagic Escherichia coli infection	6	2	3	1	42	18	338	
	Typhoid fever					1	1	11	
	Paratyphoid fever		1			2	1	8	
IV	Hepatitis E	1	1	7	4	42	12	160	
	West Nile fever								
	Hepatitis A	2	3	5	4	32	8	151	
	Echinococcosis							3	
	Yellow fever								
	Psittacosis					2		9	
	Omsk hemorrhagic fever								
	Relapsing fever								
	Kyasanur forest disease								
	Q fever								
	Rabies								
	Coccidioidomycosis							1	
	Monkeypox								
	Zika virus infection								
	Severe Fever with Thrombocytopenia Syndrome						3	13	
	Hemorrhagic fever with renal syndrome								
	Western equine encephalitis								
	Tick-borne encephalitis								
	Anthrax								
	Chikungunya fever							2	
	Scrub typhus(Tsutsugamushi disease)							1	47
	Dengue fever	2	1			29	3	96	
	Eastern equine encephalitis								
	Avian influenza (excluding H5N1 and H7N9)								
	Nipah virus infection								
	Japanese spotted fever						1	13	
	Japanese encephalitis								
	Hantavirus pulmonary syndrome								
	Herpes B virus infection								
	Glanders								
	Brucellosis							1	
	Venezuelan equine encephalitis								
	Hendra virus infection								
Epidemic typhus									
Botulism							1		
Malaria					2		11		
Tularemia									
Lyme disease									
Lyssavirus infection(excluding rabies)									
Rift valley fever									
Melioidosis									
Legionellosis	3	4	3		41	21	413		
Leptospirosis					1	1	3		
Rocky mountain spotted fever									

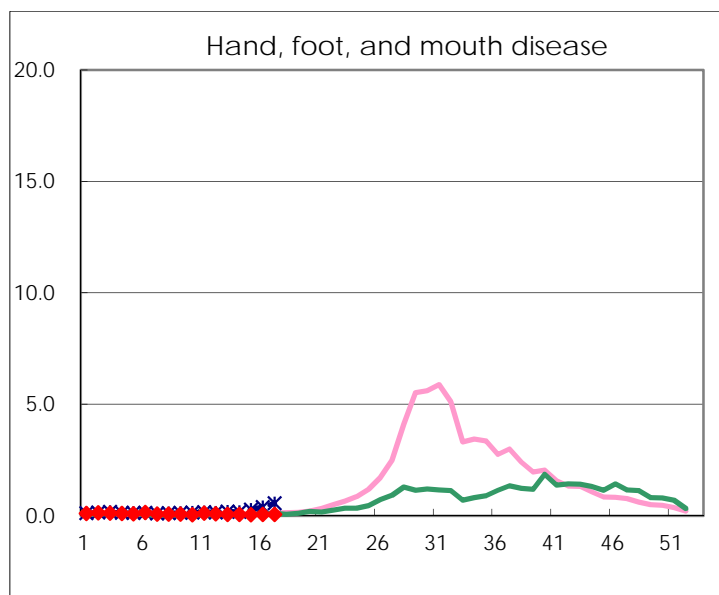
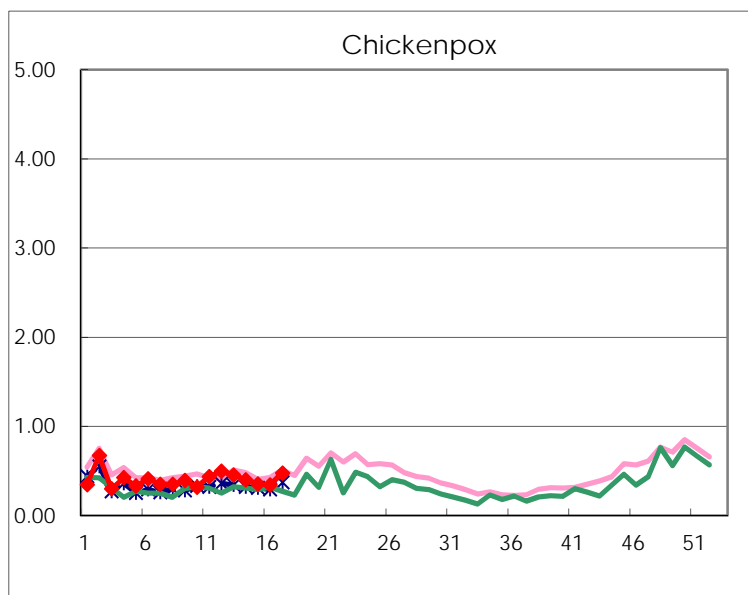
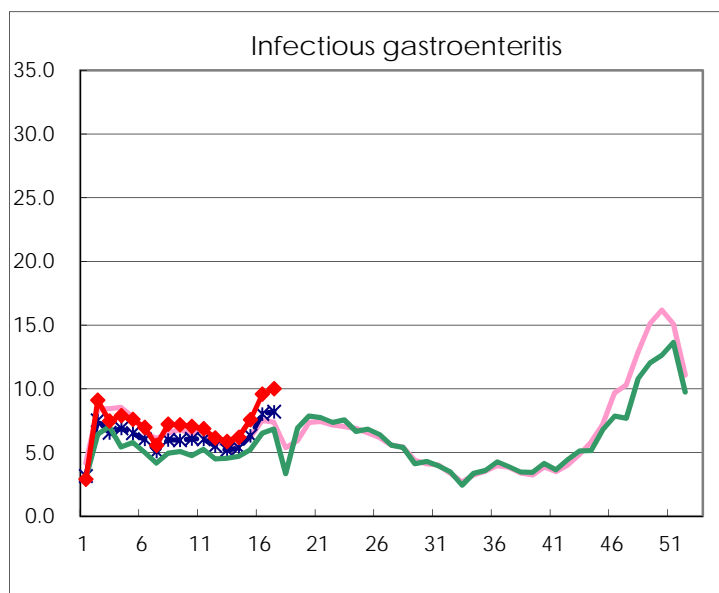
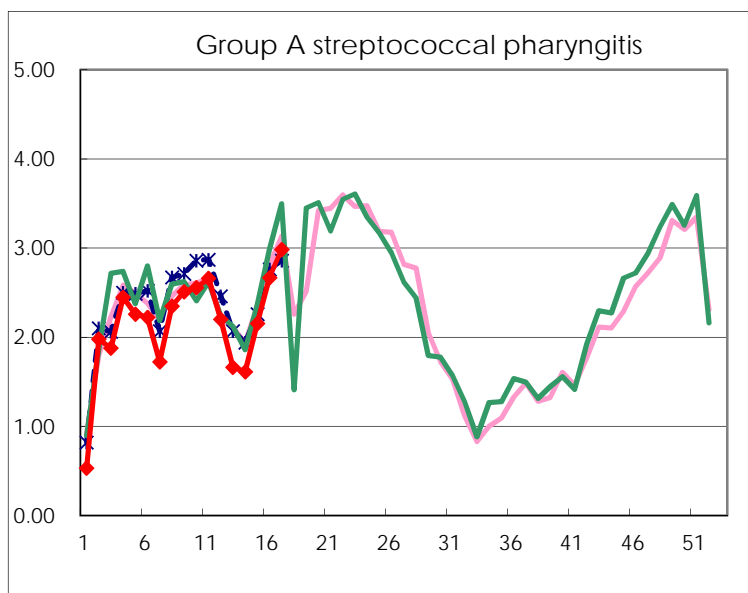
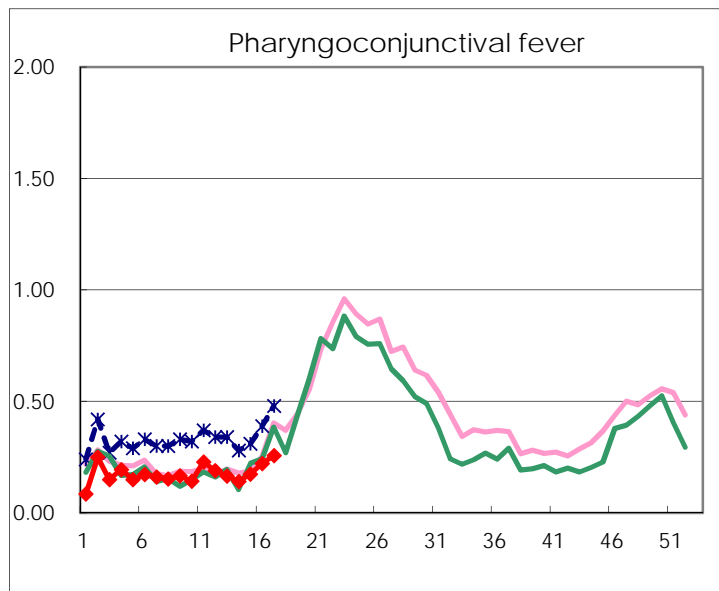
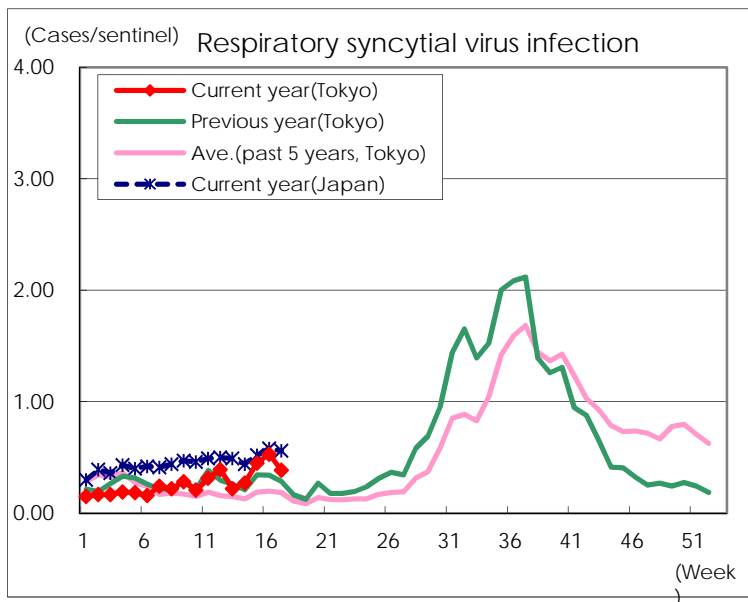
Category	Diseases	Tokyo					Japan	
		14th	15th	16th	17th	Cum 2019	17th	Cum 2019
V	Amebiasis	3	8	1	1	58	10	286
	Viral hepatitis(excluding hepatitis A and E)				1	27	1	98
	CRE infection	4	3	5	3	67	15	592
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)					1		18
	Acute encephalitis(excluding JE and WNE)	1	1	2	1	40	7	367
	Cryptosporidiosis	1				2		6
	Creutzfeldt-Jakob disease	1			1	9	2	50
	Severe invasive streptococcal infections(TSLs)		4	3	1	34	9	301
	Acquired immunodeficiency syndrome (AIDS)	12	8	9	2	137	7	370
	Giardiasis					3	1	12
	Invasive <i>Haemophilus influenzae</i> disease	1	2		1	31	5	205
	Invasive meningococcal disease					1	2	20
	Invasive pneumococcal disease	5	8	13	7	151	54	1,265
	Varicella (limited to hospitalized case)	2			2	19	9	135
	Congenital rubella syndrome				1	1	1	2
	Syphilis	28	29	34	24	537	72	2,010
	Disseminated cryptococcosis		1			6	1	47
	Tetanus					1	1	20
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection	1		1		3	1	28
Pertussis	19	23	29	21	594	212	5,178	
Rubella	29	36	28	16	454	34	1,377	
Measles	2	4	5	7	60	21	450	
MDRA infection					2		12	

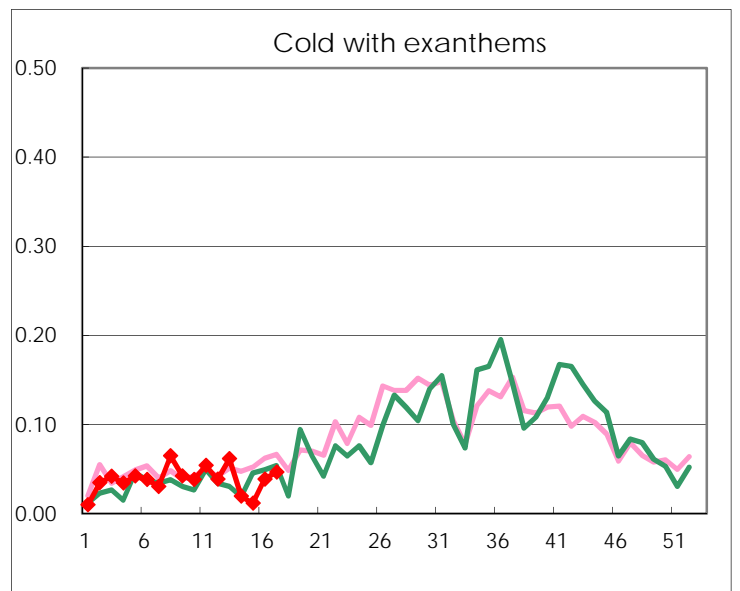
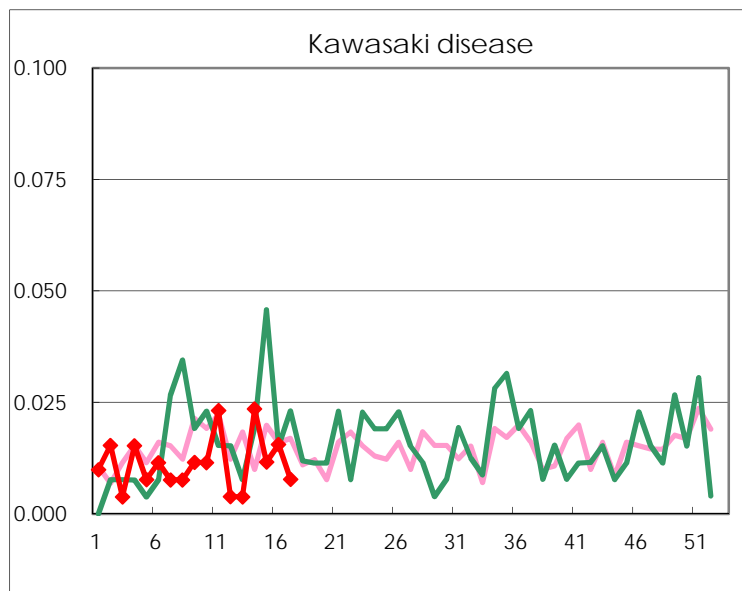
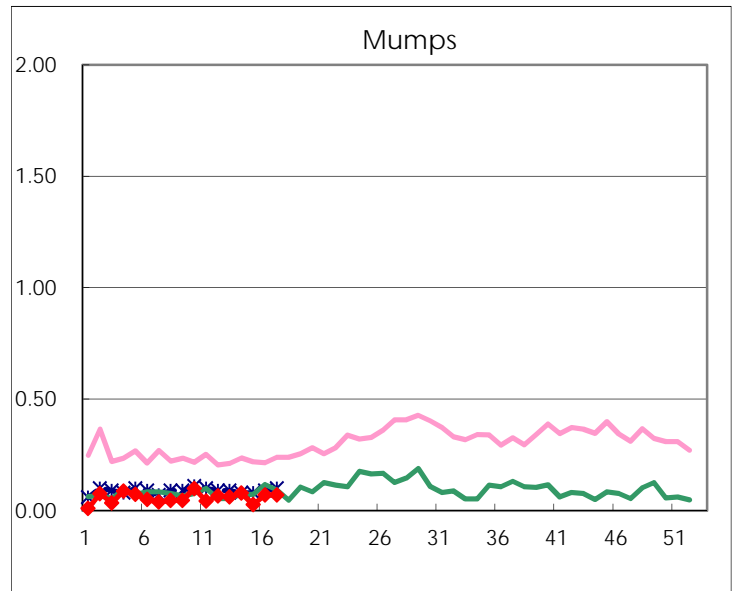
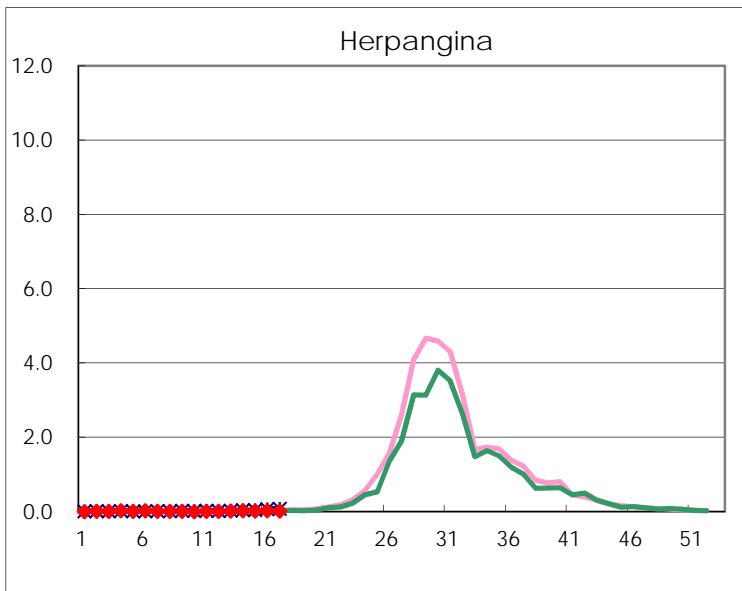
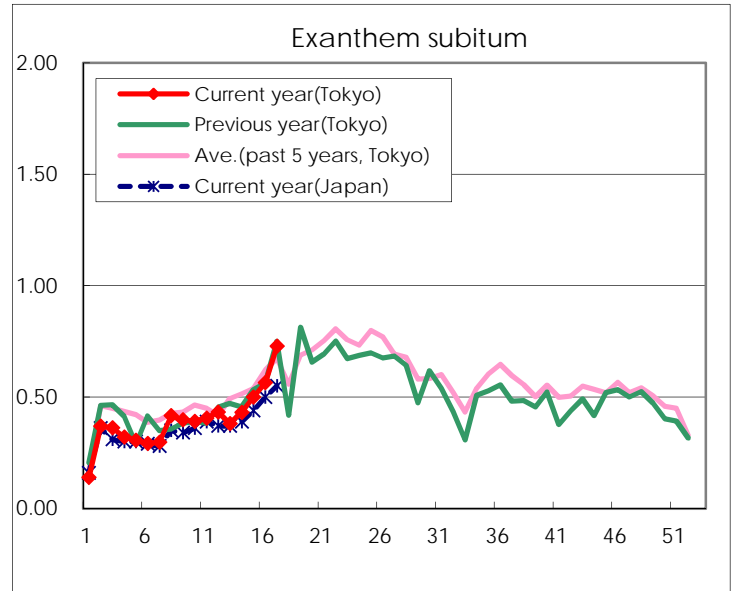
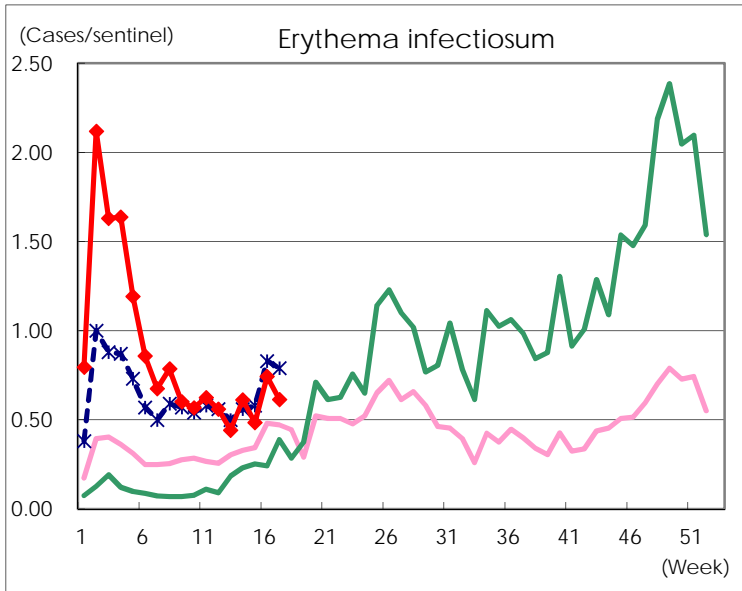
Number of patients with the diseases to be reported
by the designated clinics and hospitals

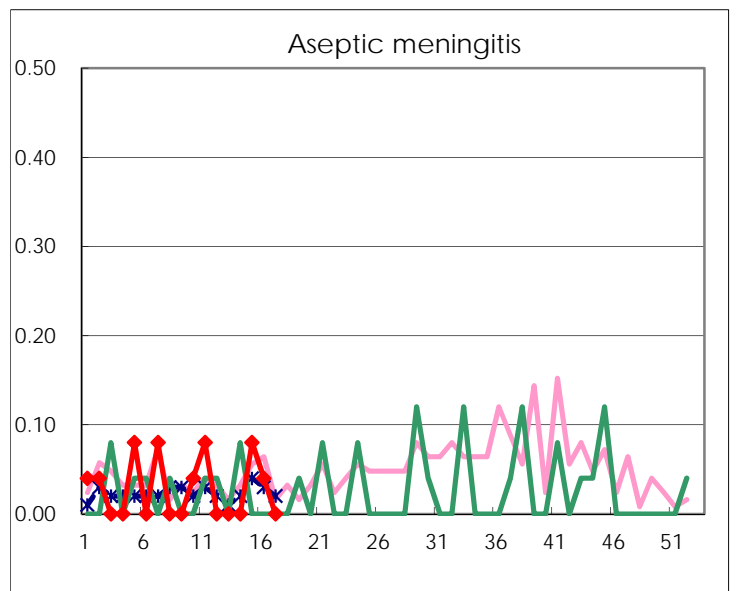
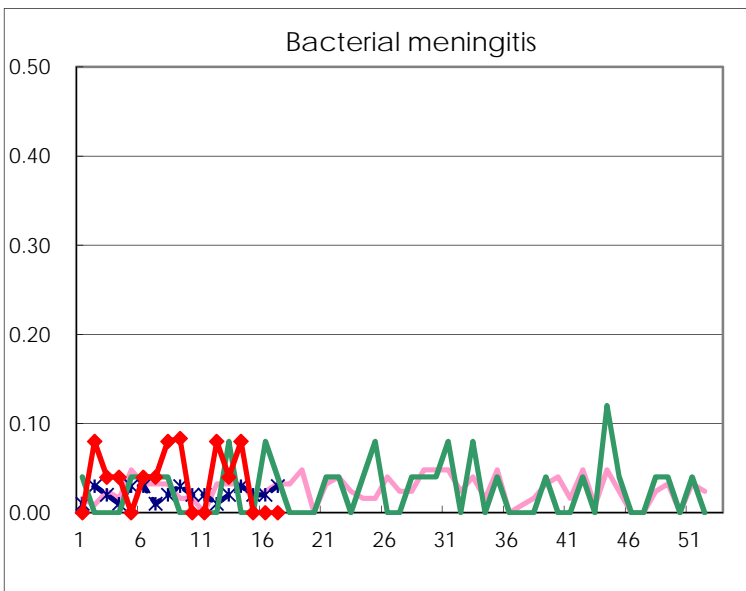
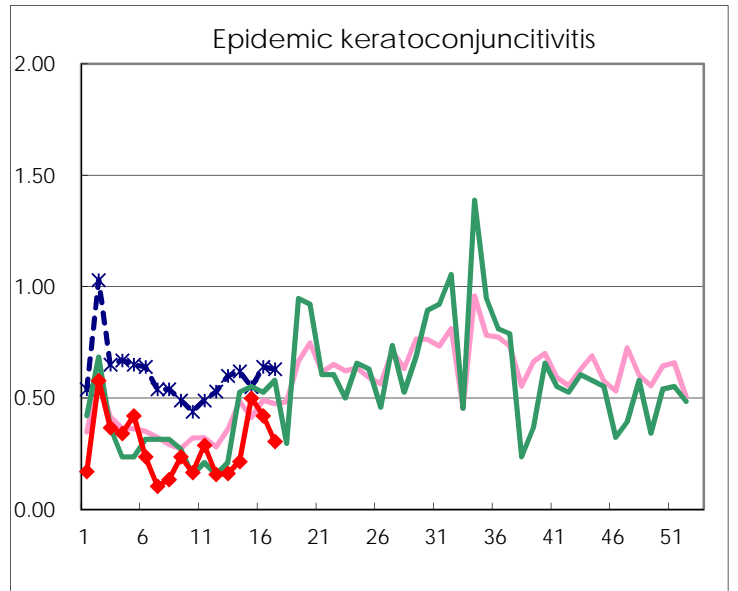
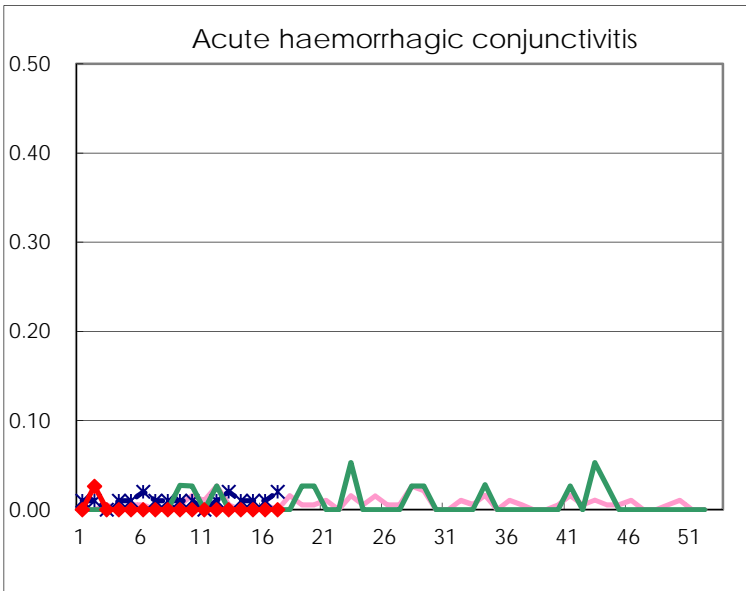
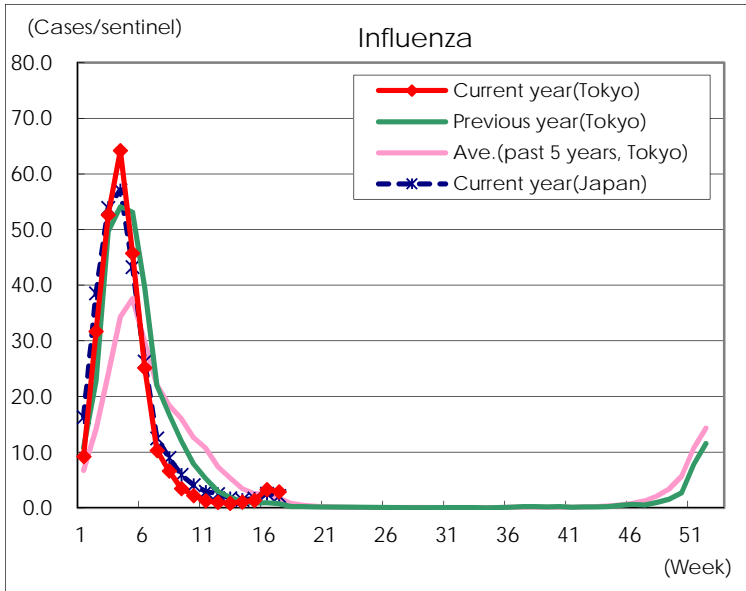
Diseases	Tokyo				
	14th	15th	16th	17th	/sentinel
Respiratory syncytial virus infection	69	116	136	99	0.39
Pharyngoconjunctival fever	36	45	57	66	0.26
Group A streptococcal pharyngitis	411	556	686	767	2.98
Infectious gastroenteritis	1,578	1,952	2,461	2,574	10.02
Chickenpox	102	91	88	122	0.47
Hand, foot, and mouth disease	15	12	16	14	0.05
Erythema infectiosum	156	125	191	158	0.61
Exanthem subitum	110	129	145	187	0.73
Herpangina	6	5	7	4	0.02
Mumps	20	7	18	18	0.07
Kawasaki disease	6	3	4	2	0.01
Cold with exanthems	5	3	10	12	0.05
Influenza	439	555	1,339	1,188	2.91
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	8	19	16	11	0.31
Bacterial meningitis	2				
Aseptic meningitis		2	1		
<i>Mycoplasma pneumoniae</i>		1	2	1	0.04
Chlamydial pneumonia (excluding psittacosis)	3	1	1	2	0.08
Infectious gastroenteritis (only by Rotavirus)	11	10	21	13	0.52
Influenza-Associated Hospitalizations	8	4	5	6	0.24

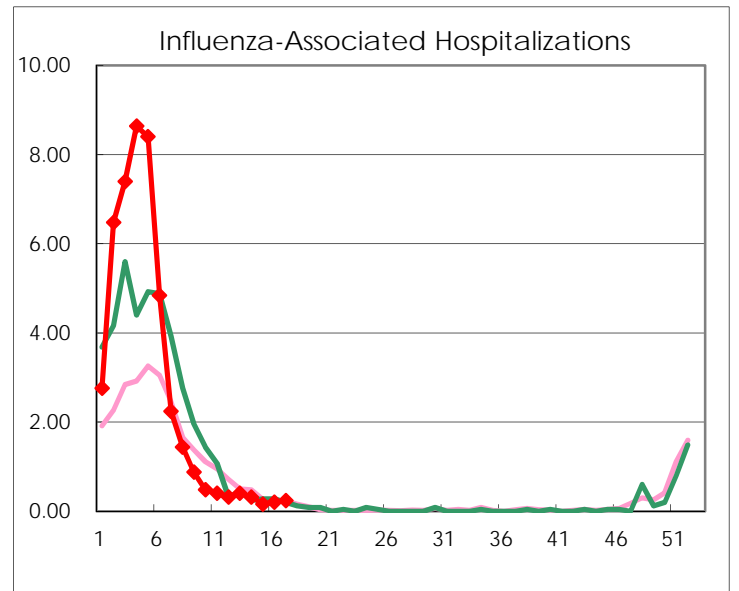
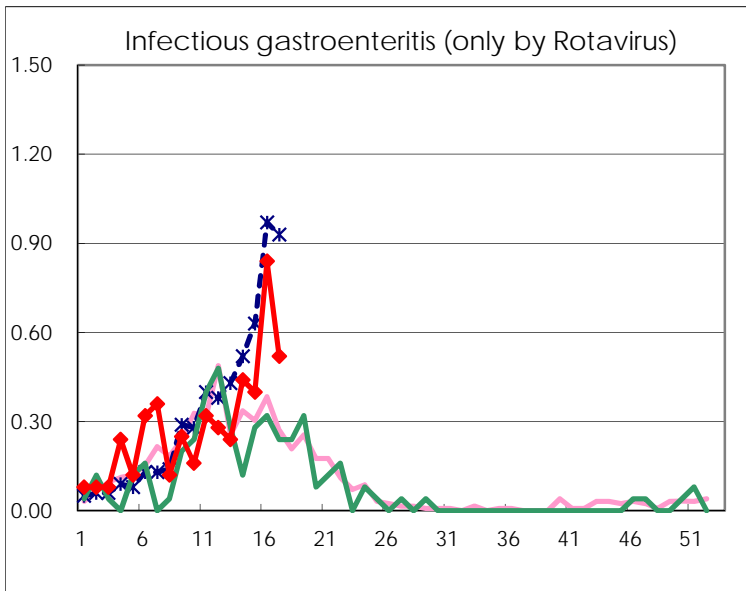
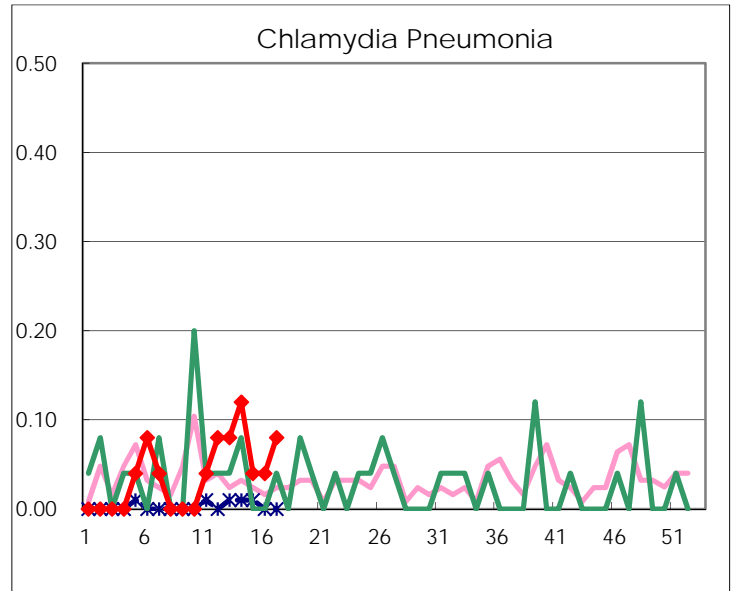
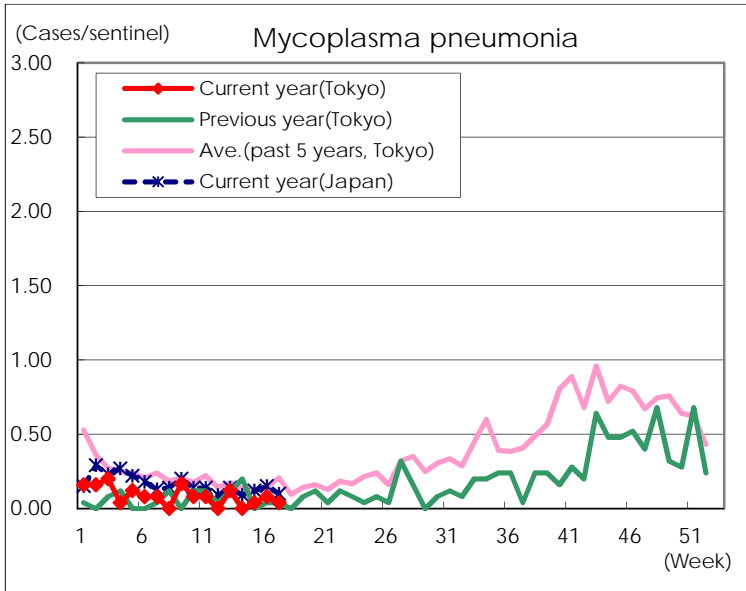
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	257
Influenza	419	408
Ophthalmic	39	36
Specially-designated	25	25