

30 May 2019 / Number 21

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	
		18th	19th	20th	21st	Cum 2019	21st	Cum 2019
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	16	45	66	60	1,179	329	8,126
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera				1	2	1	3
	Shigellosis		1			8	1	35
	Enterohemorrhagic Escherichia coli infection			6	7	55	58	503
	Typhoid fever				1	2	1	15
	Paratyphoid fever		1			3		9
IV	Hepatitis E		4	2	4	53	9	193
	West Nile fever							
	Hepatitis A	2	5	8	6	56	5	187
	Echinococcosis							4
	Yellow fever							
	Psittacosis		1			3		10
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							1
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome			1		1	2	25
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever				1	1	1	3
	Scrub typhus(Tsutsugamushi disease)						4	55
	Dengue fever	1	5	2	3	40	6	124
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever						7	37
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							1
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
Botulism							1	
Malaria					2	1	15	
Tularemia								
Lyme disease							1	
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	1	6	4	1	54	25	544	
Leptospirosis					1	1	4	
Rocky mountain spotted fever								

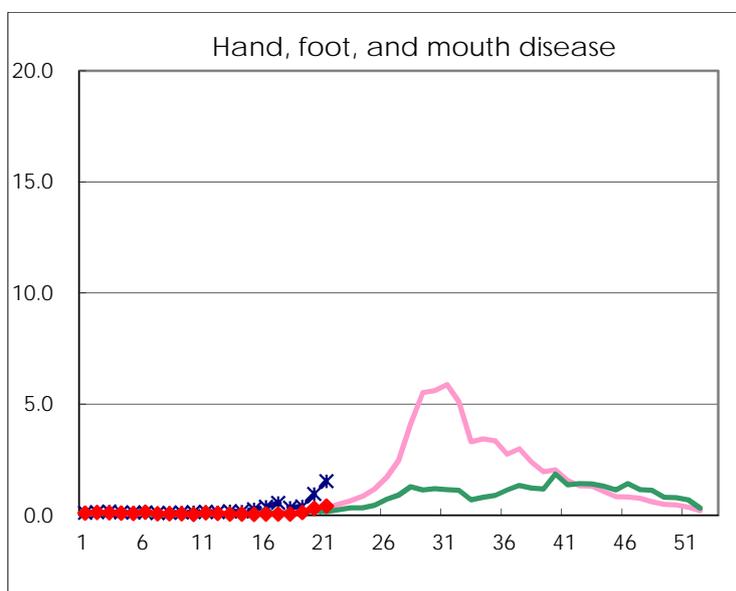
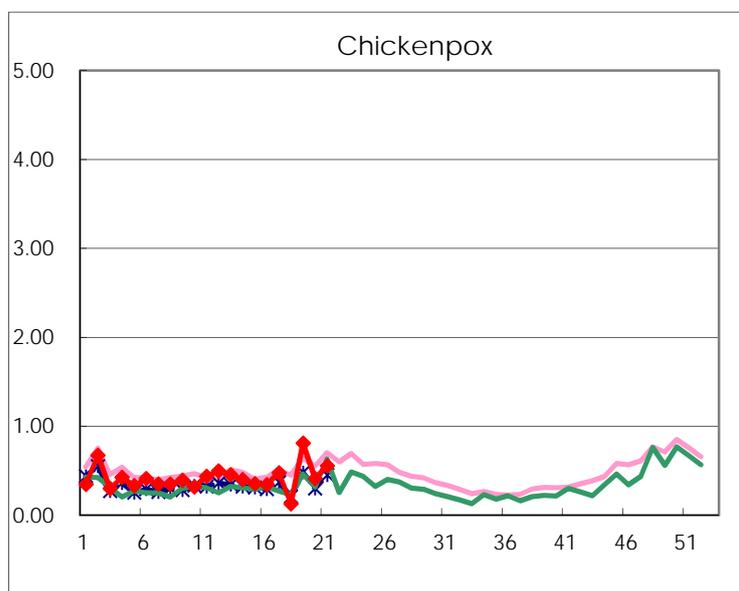
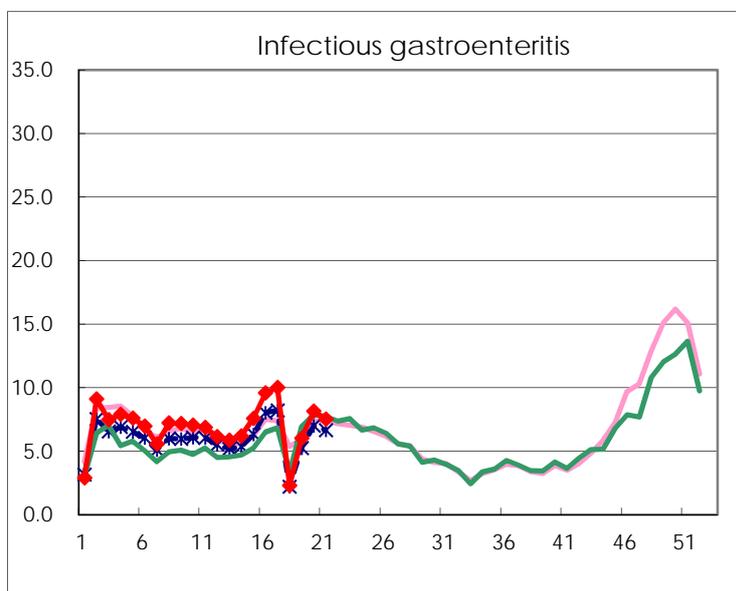
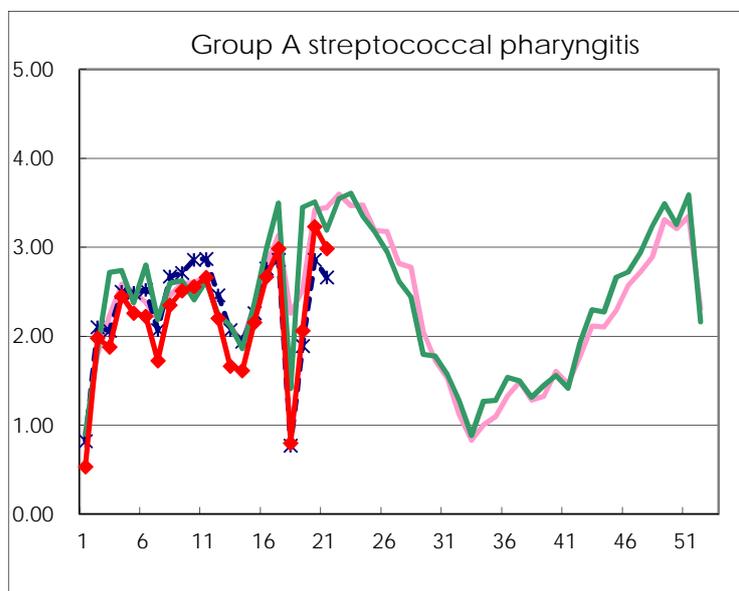
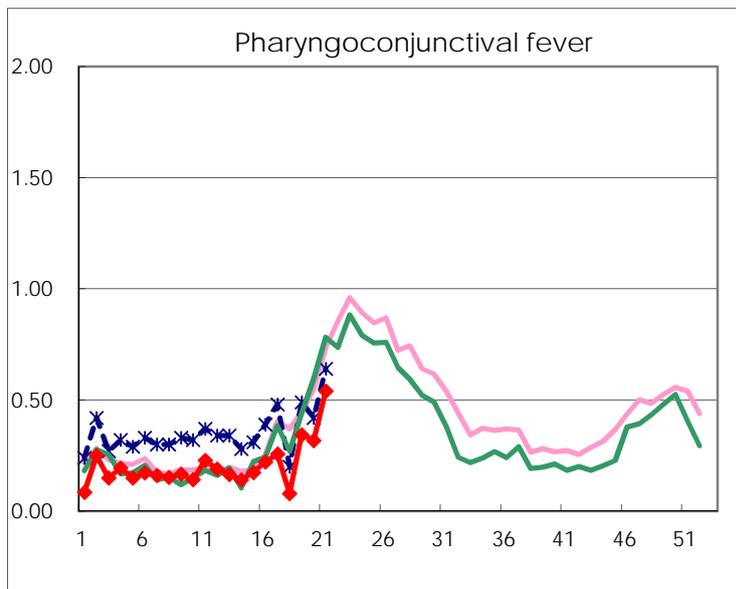
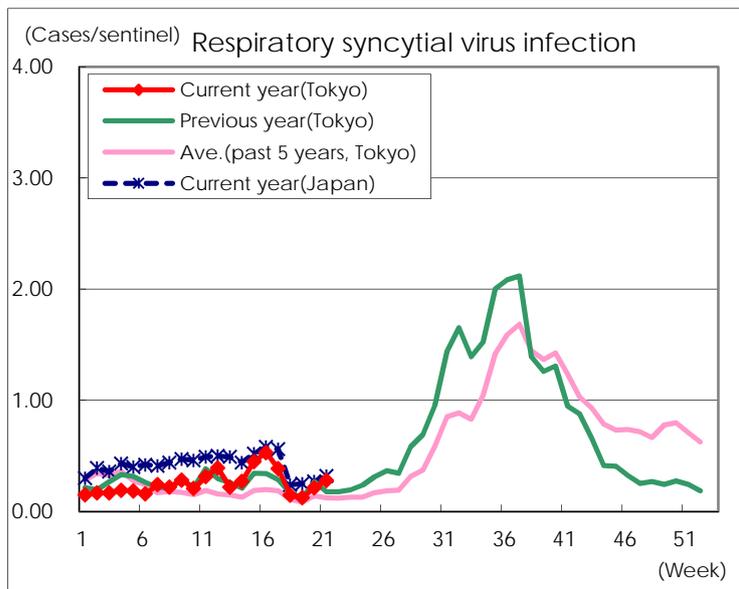
Category	Diseases	Tokyo					Japan	
		18th	19th	20th	21st	Cum 2019	21st	Cum 2019
V	Amebiasis		1	7	1	71	11	347
	Viral hepatitis(excluding hepatitis A and E)		1		1	29	5	120
	CRE infection	3	2	3	5	80	23	735
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)			1		2		25
	Acute encephalitis(excluding JE and WNE)		1		1	42	6	422
	Cryptosporidiosis					2	1	7
	Creutzfeldt-Jakob disease					9	3	62
	Severe invasive streptococcal infections(TSLs)	3	2	3	2	45	12	375
	Acquired immunodeficiency syndrome (AIDS)	1	4	4	5	152	10	431
	Giardiasis					3		17
	Invasive <i>Haemophilus influenzae</i> disease		4	2	1	38	8	256
	Invasive meningococcal disease					1		20
	Invasive pneumococcal disease	3	15	11	7	194	58	1,683
	Varicella (limited to hospitalized case)	1	2	3	2	28	10	179
	Congenital rubella syndrome					1		2
	Syphilis	3	36	41	26	661	78	2,472
	Disseminated cryptococcosis				1	7	5	57
	Tetanus		1			2		33
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection					3		30
	Pertussis		23	38	18	683	233	6,247
Rubella	9	27	32	21	563	44	1,624	
Measles	7	7	17	1	96	26	566	
MDRA infection					2		14	

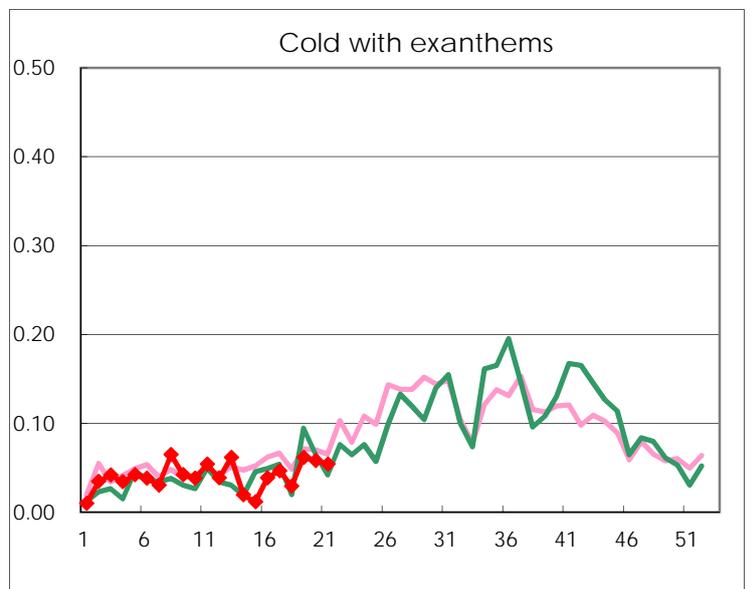
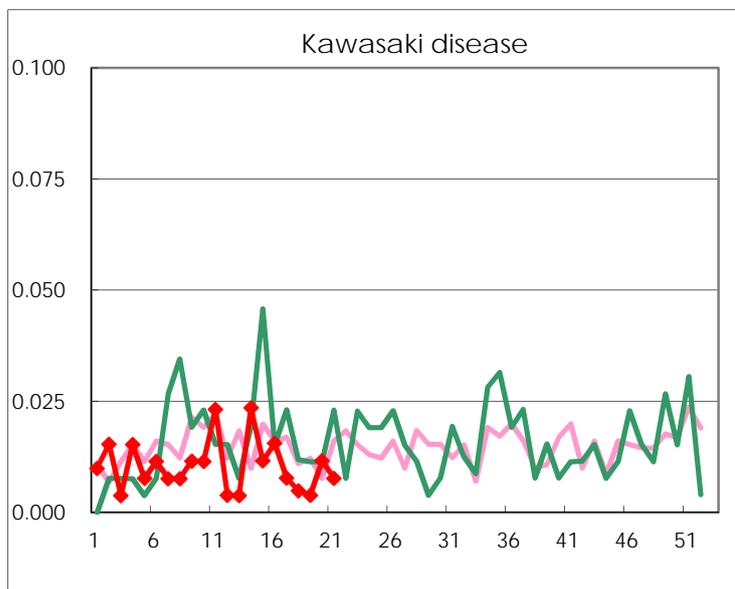
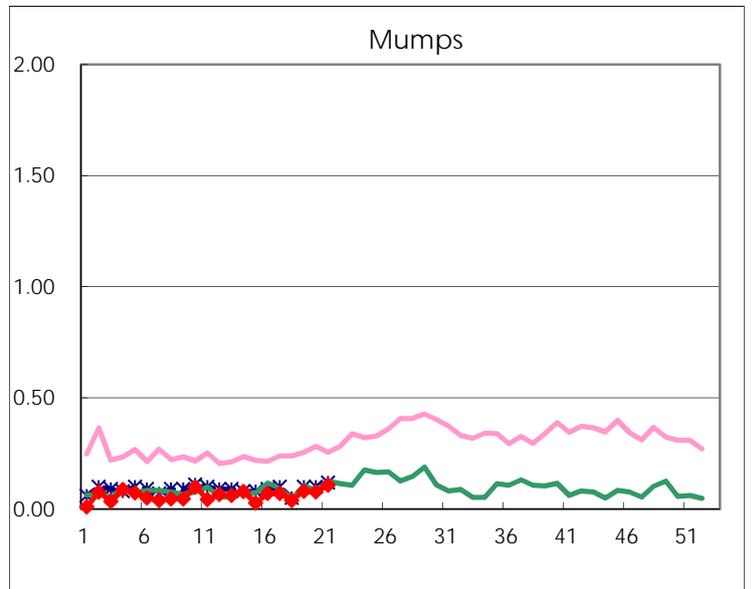
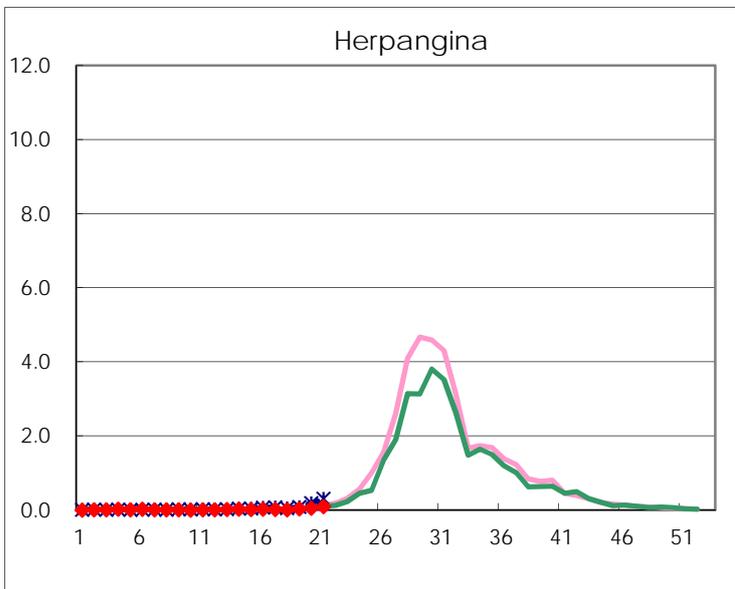
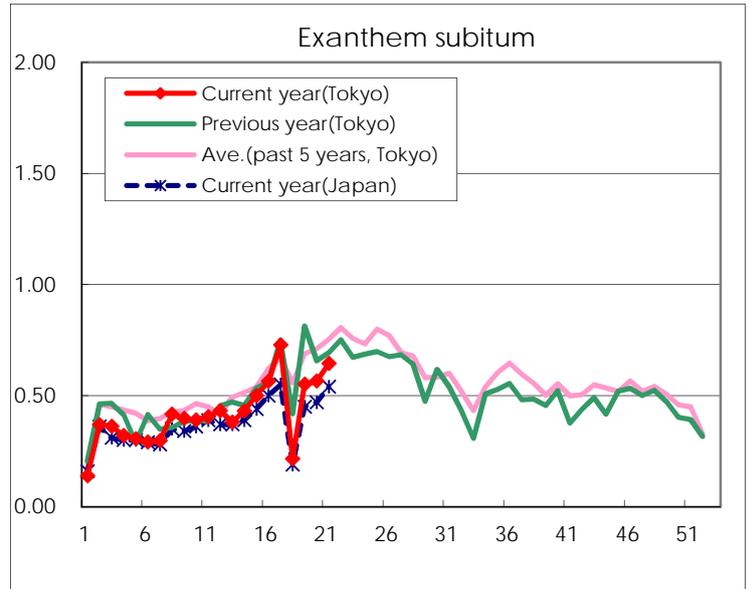
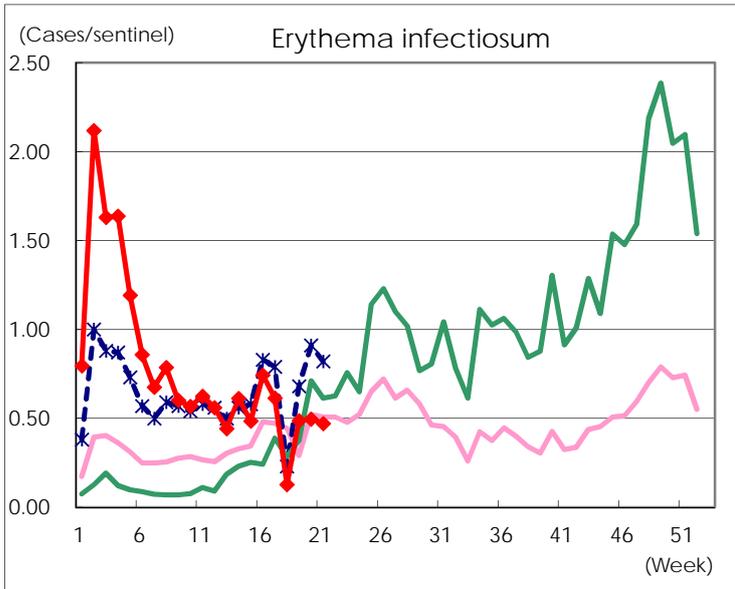
Number of patients with the diseases to be reported
by the designated clinics and hospitals

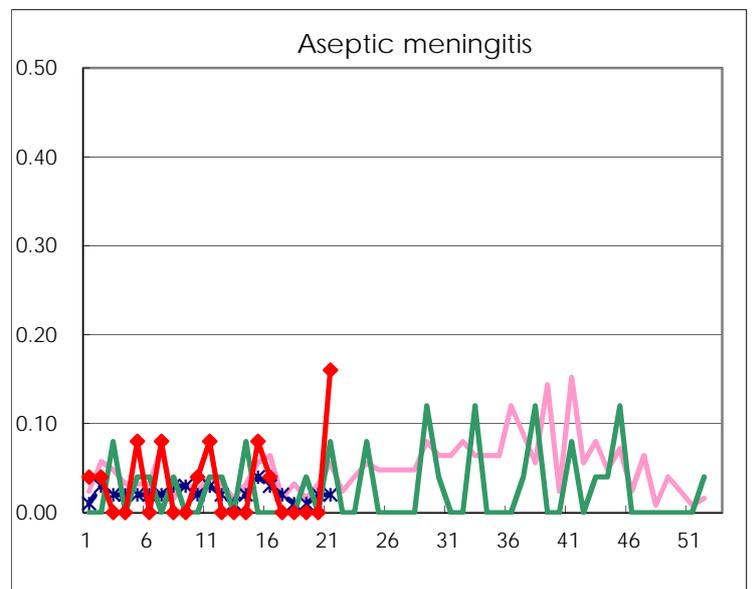
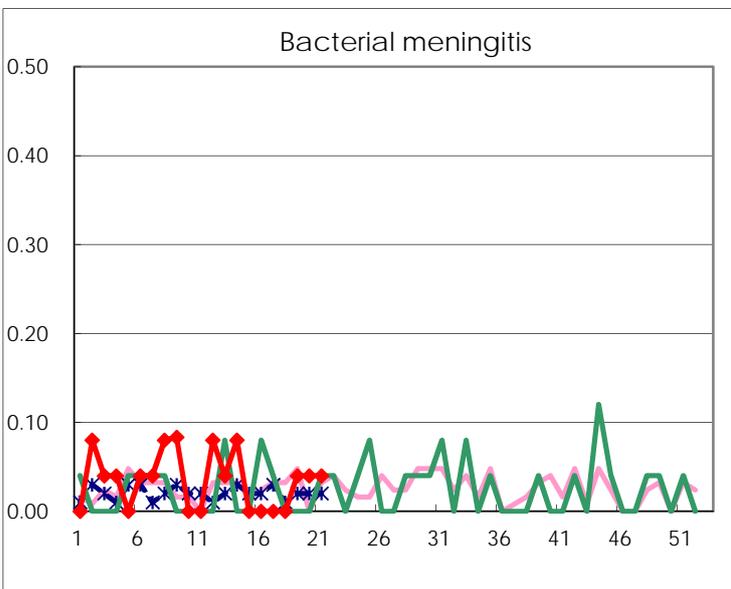
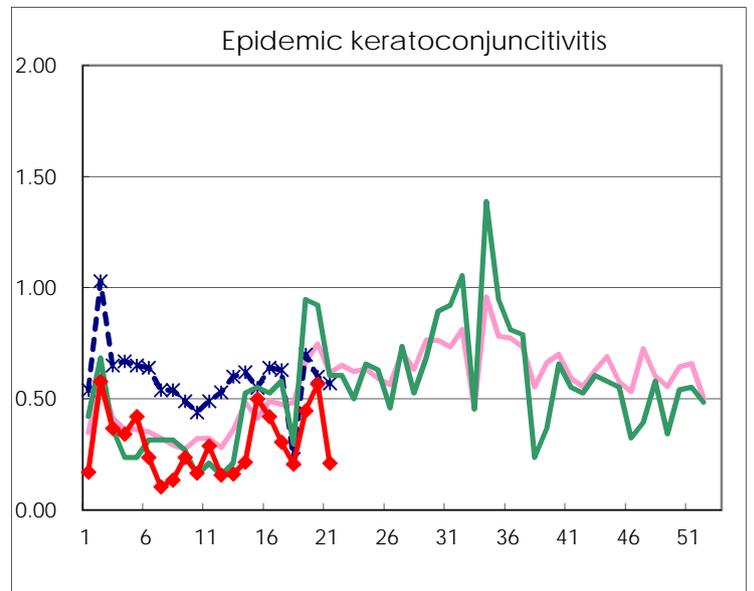
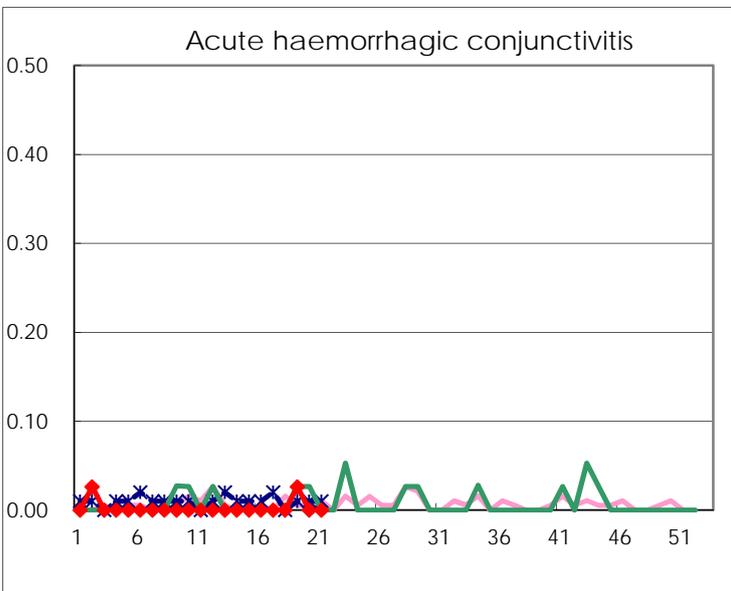
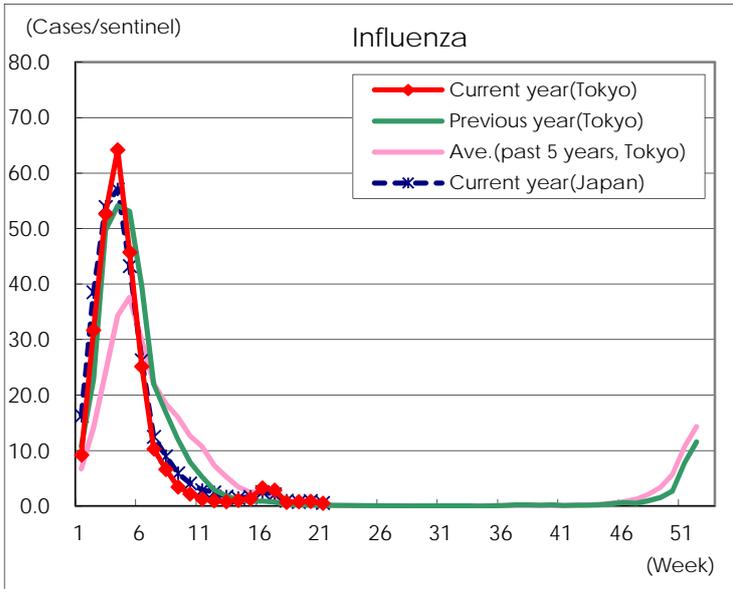
Diseases	Tokyo				
	18th	19th	20th	21st	/sentinel
Respiratory syncytial virus infection	30	32	55	72	0.28
Pharyngoconjunctival fever	16	89	82	140	0.54
Group A streptococcal pharyngitis	163	534	834	773	2.98
Infectious gastroenteritis	468	1,559	2,100	1,946	7.51
Chickenpox	26	209	106	143	0.55
Hand, foot, and mouth disease	12	34	83	109	0.42
Erythema infectiosum	26	126	128	122	0.47
Exanthem subitum	44	143	146	167	0.64
Herpangina	1	8	14	24	0.09
Mumps	8	21	20	28	0.11
Kawasaki disease	1	1	3	2	0.01
Cold with exanthems	6	16	15	14	0.05
Influenza	229	337	361	218	0.53
Acute hemorrhagic conjunctivitis		1			
Epidemic keratoconjunctivitis	6	17	21	8	0.21
Bacterial meningitis		1	1	1	0.04
Aseptic meningitis				4	0.16
<i>Mycoplasma pneumoniae</i>	1	2	1	3	0.12
Chlamydial pneumonia (excluding psittacosis)	1	2			
Infectious gastroenteritis (only by Rotavirus)	7	14	10	8	0.32
Influenza-Associated Hospitalizations	2	2		1	0.04

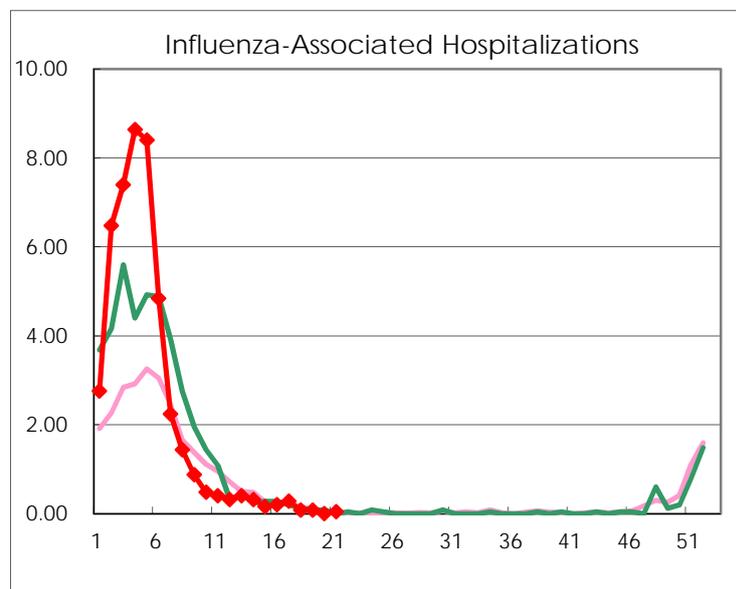
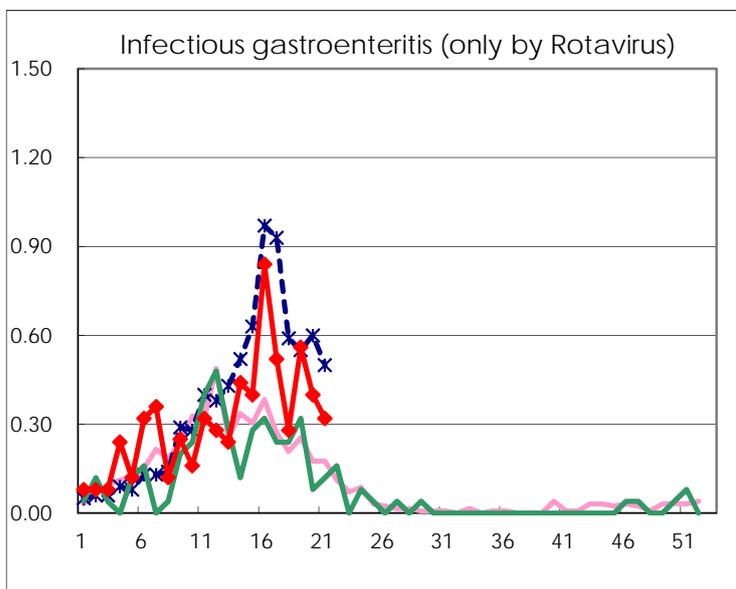
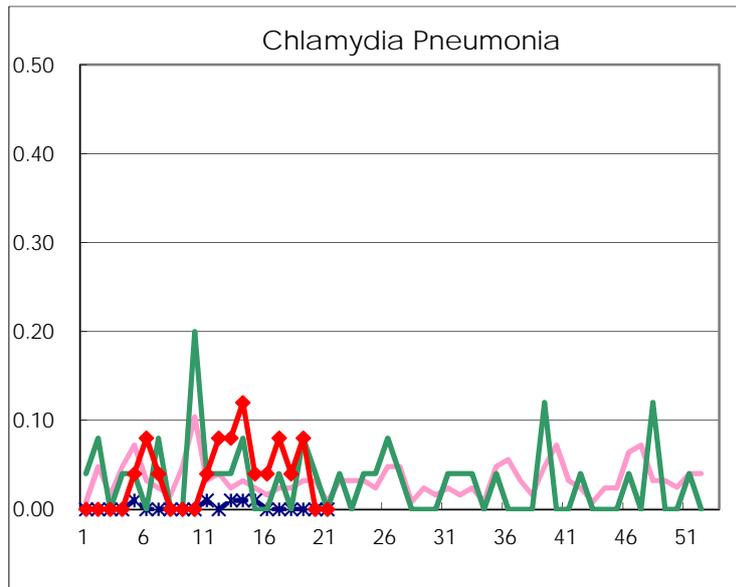
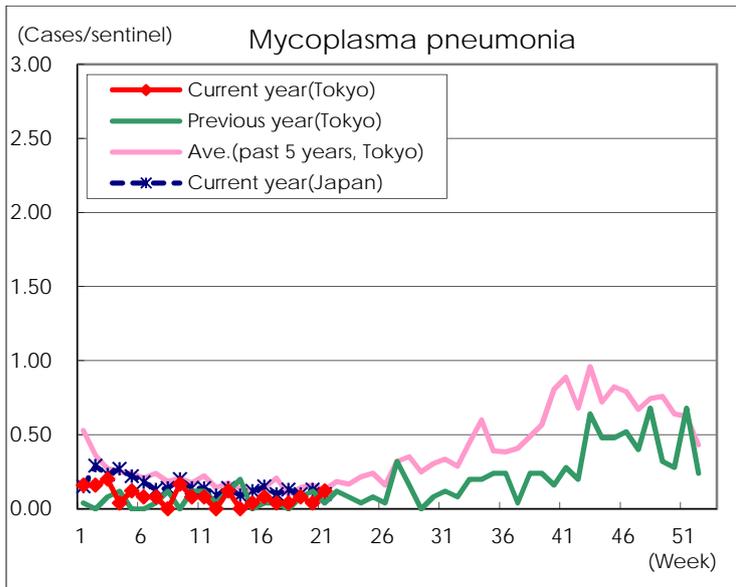
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	259
Influenza	419	412
Ophthalmic	39	38
Specially-designated	25	25