

30 March 2017 / Number 12

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	
		9th	10th	11th	12th	Cum 2017	12th	Cum 2017
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	68	58	51	44	725	273	4,722
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
III	Avian influenza H5N1							
	Avian influenza H7N9							
	Cholera							
	Shigellosis		1			10	2	37
	Enterohemorrhagic Escherichia coli infection	2		2	2	15	15	166
IV	Typhoid fever					1	1	6
	Paratyphoid fever		1			1		3
	Hepatitis E	4		2	1	16	6	89
	West Nile fever							
	Hepatitis A	6	5	6		24	3	54
	Echinococcosis						1	8
	Yellow fever							
	Psittacosis							2
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection							1
	Severe Fever with Thrombocytopenia Syndrome							1
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							1
	Scrub typhus(Tsutsugamushi disease)					2		38
	Dengue fever			2	1	11	6	45
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							5
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
Brucellosis							1	
Venezuelan equine encephalitis								
Hendra virus infection								
Epidemic typhus								
Botulism	1				1		1	
Malaria			1		3		8	
Tularemia								
Lyme disease							1	
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	4	2		2	28	58	253	
Leptospirosis					1		2	
Rocky mountain spotted fever								

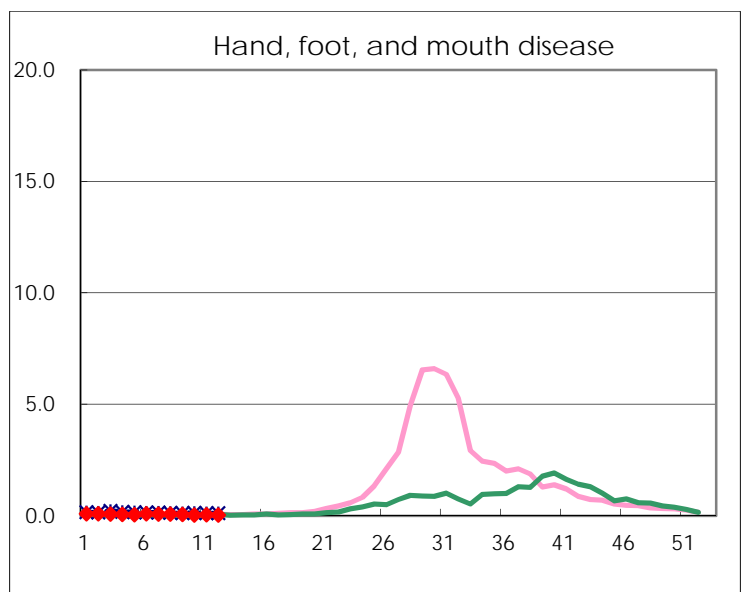
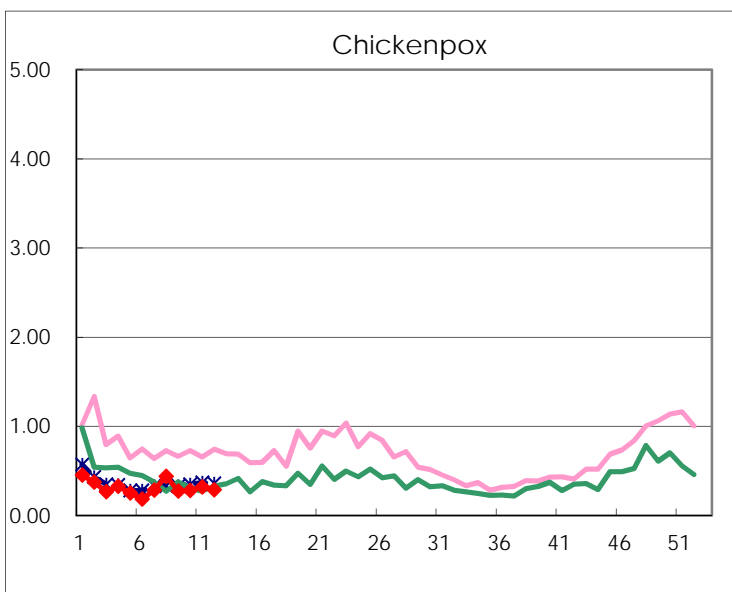
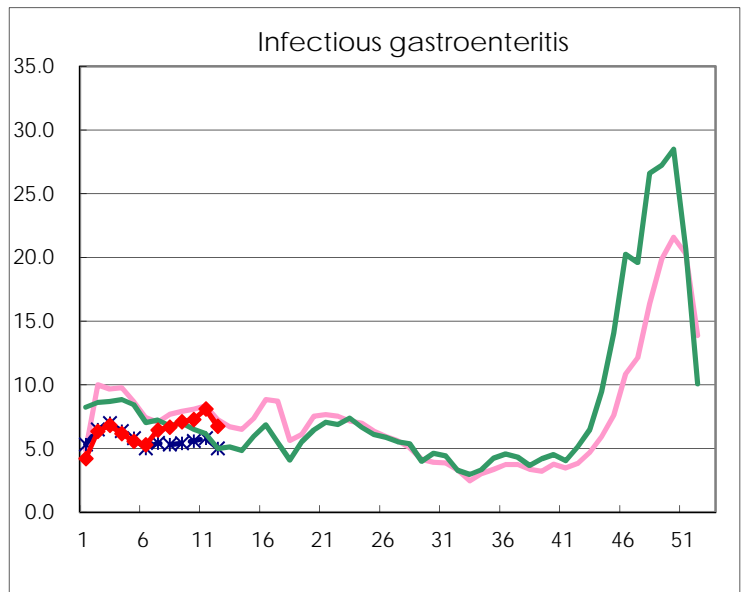
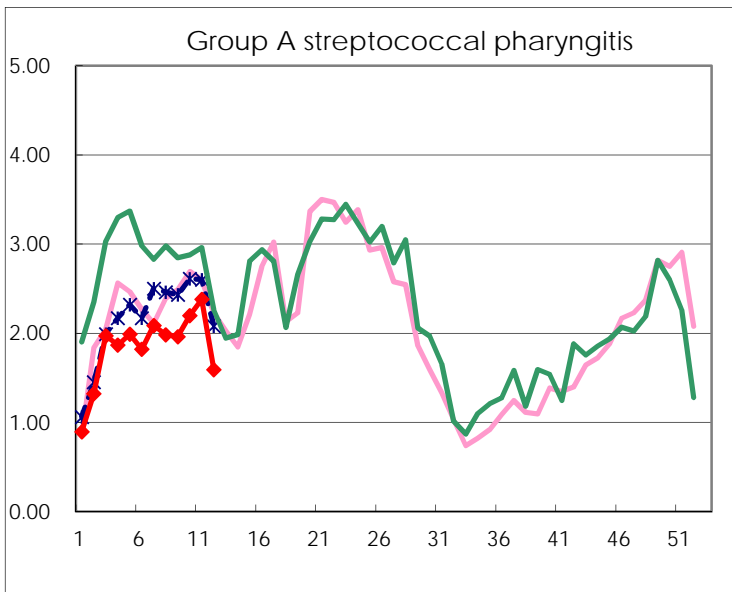
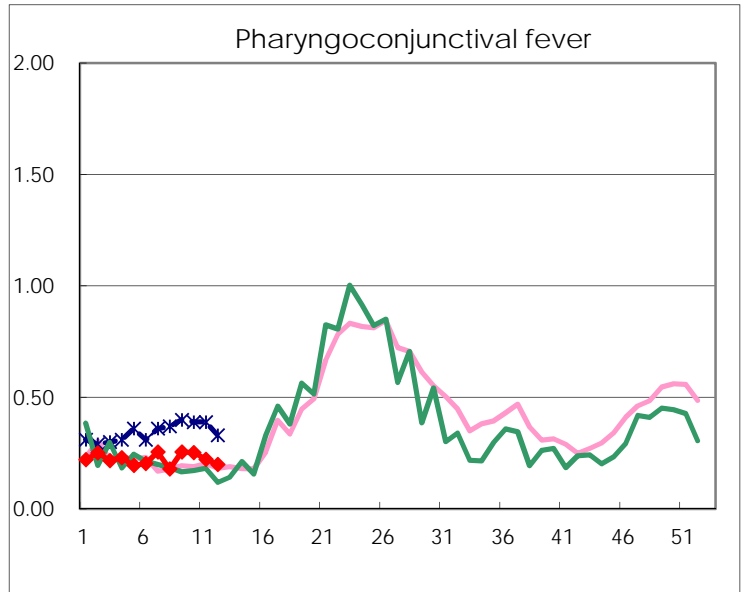
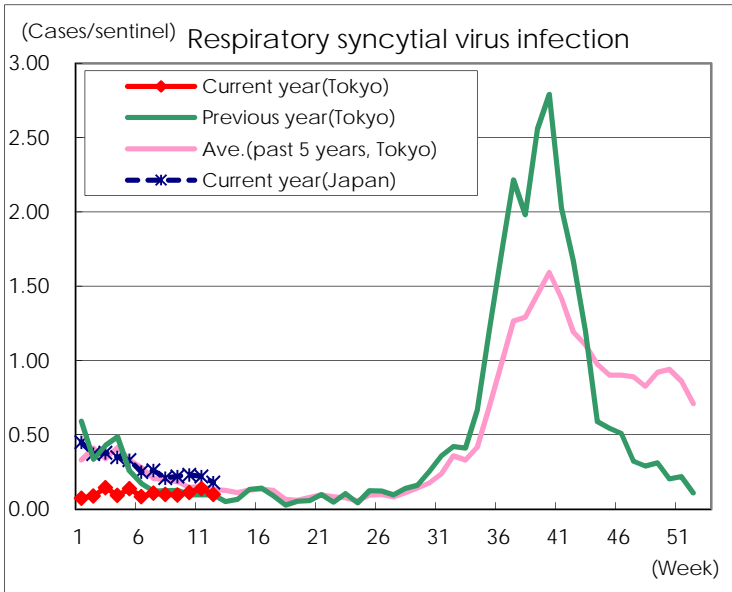
Category	Diseases	Tokyo				Cum 2017	Japan	
		9th	10th	11th	12th		12th	Cum 2017
V	Amebiasis	2	4	5	3	54	5	253
	Viral hepatitis(excluding hepatitis A and E)		1	1	5	15	4	67
	CRE infection	3	2	5	2	38	12	313
	Acute encephalitis(excluding JE and WNE)	1		3	1	20	7	193
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease		2	1		7	2	37
	Severe invasive streptococcal infections(TSLS)		3	3	1	18	4	130
	Acquired immunodeficiency syndrome (AIDS)	12	5	7	4	102	10	285
	Giardiasis	3		1	1	6	1	11
	Invasive <i>Haemophilus influenzae</i> disease		1			10	5	95
	Invasive meningococcal disease						1	6
	Invasive pneumococcal disease	13	10	7	14	117	65	872
	Varicella (limited to hospitalized case)				1	8	2	55
	Congenital rubella syndrome							
	Syphilis	45	30	32	26	334	52	1,013
	Disseminated cryptococcosis		1			5	1	31
	Tetanus					1	1	11
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection					3		23
	Rubella		1		1	2	2	18
Measles			3	3	9	5	65	
MDRA infection							8	

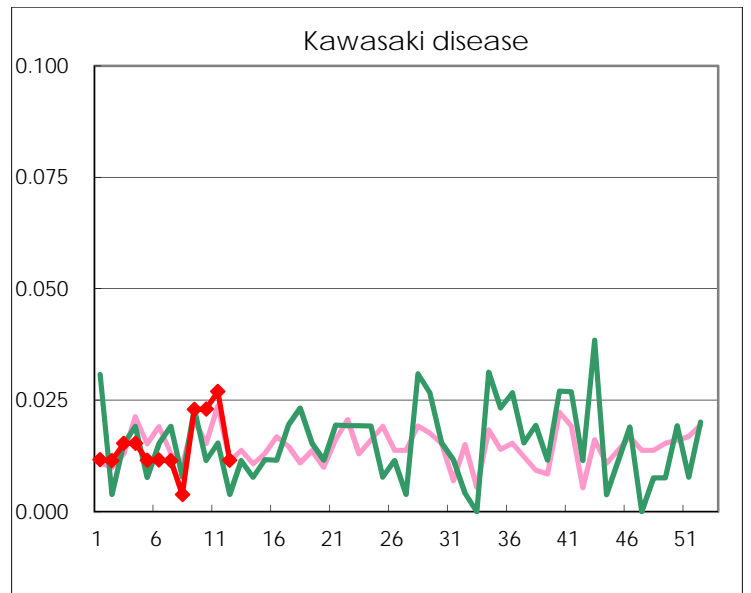
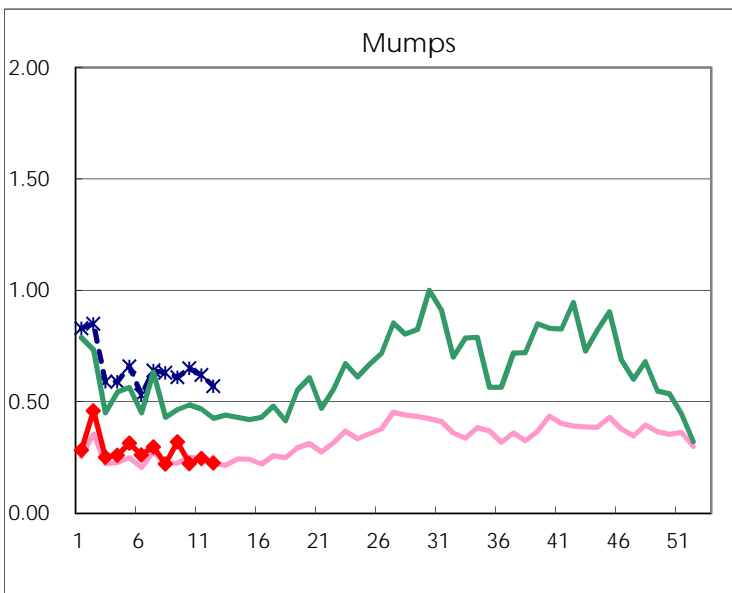
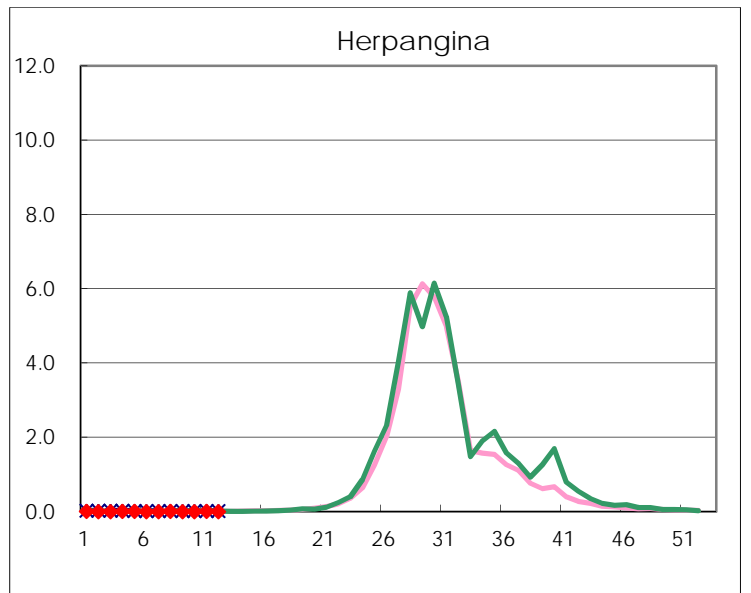
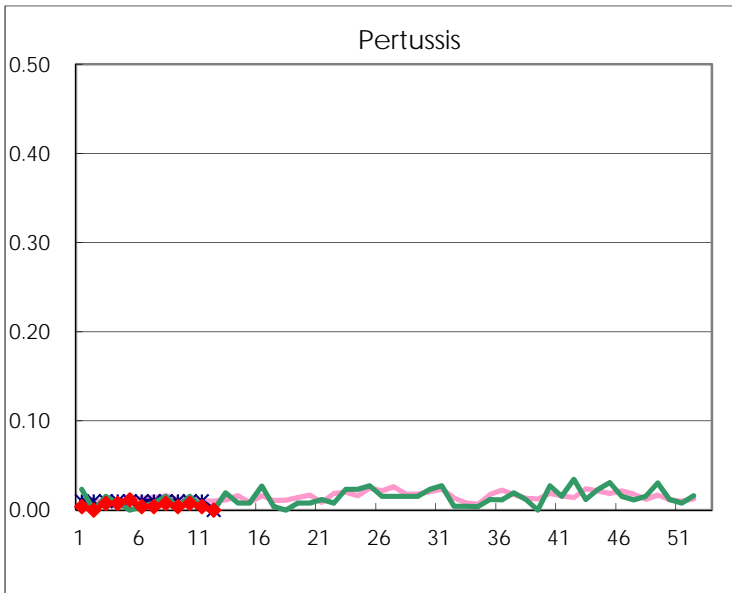
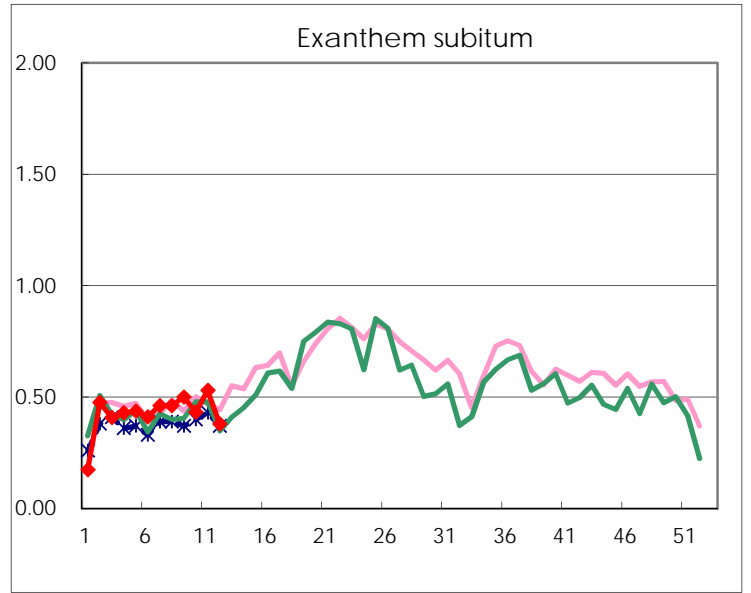
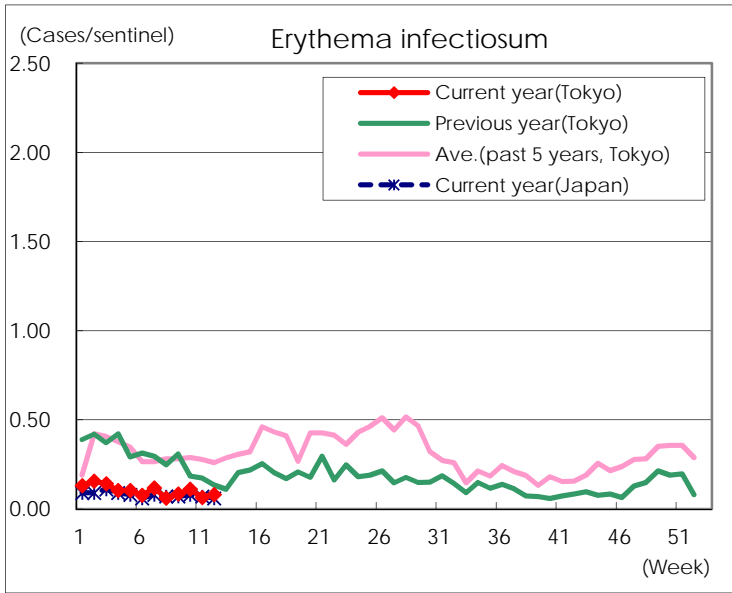
Number of patients with the diseases to be reported
by the designated clinics and hospitals

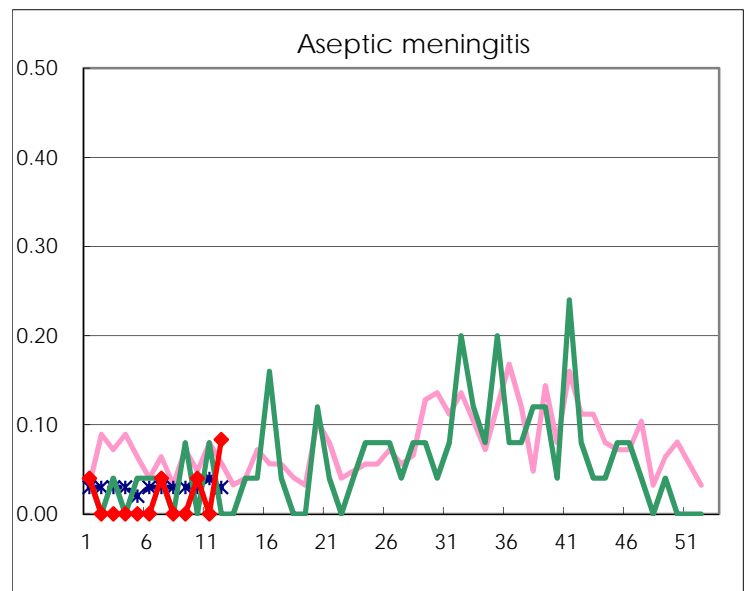
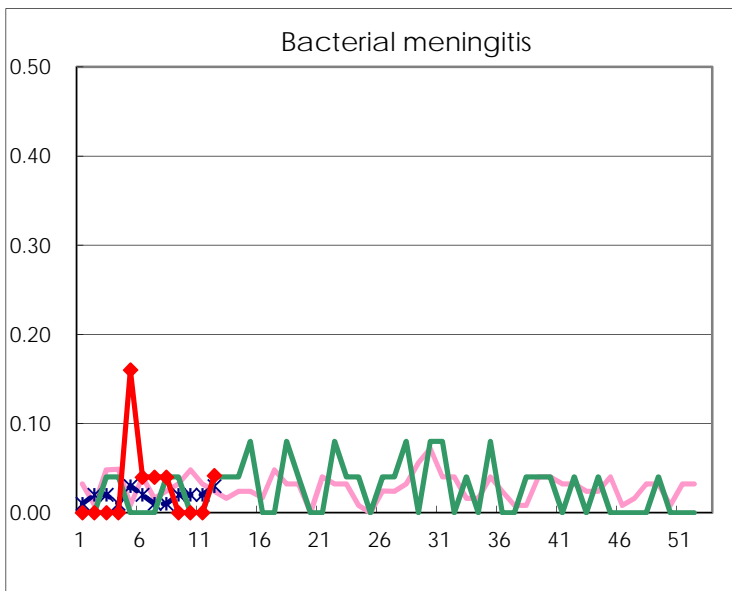
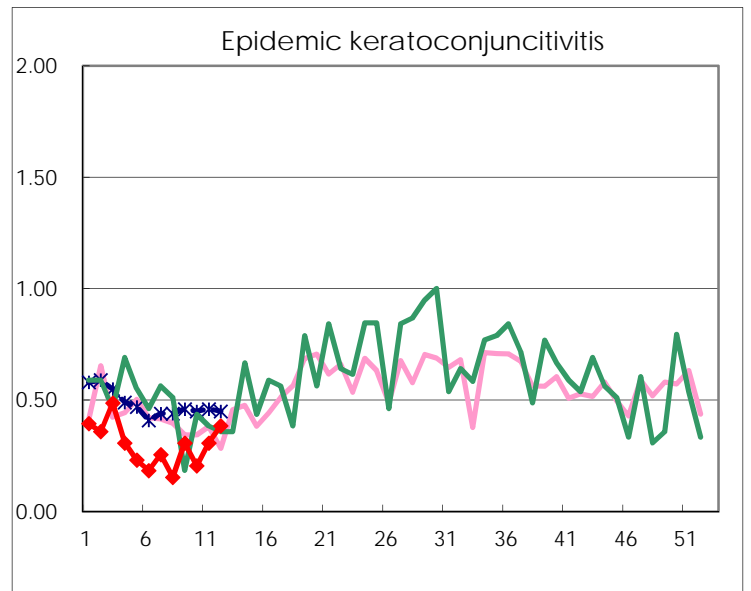
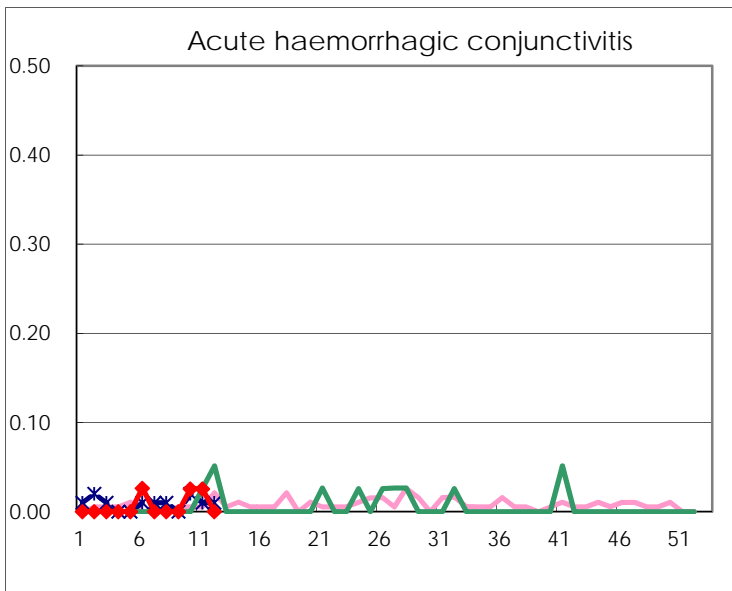
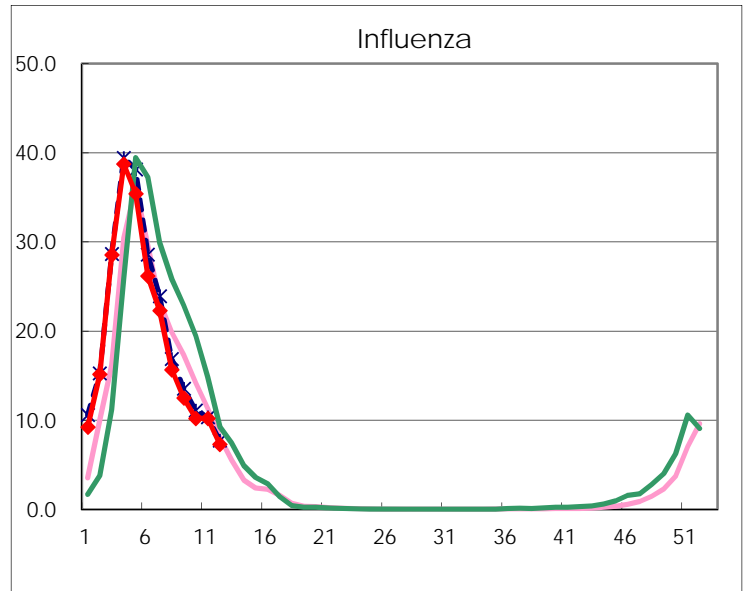
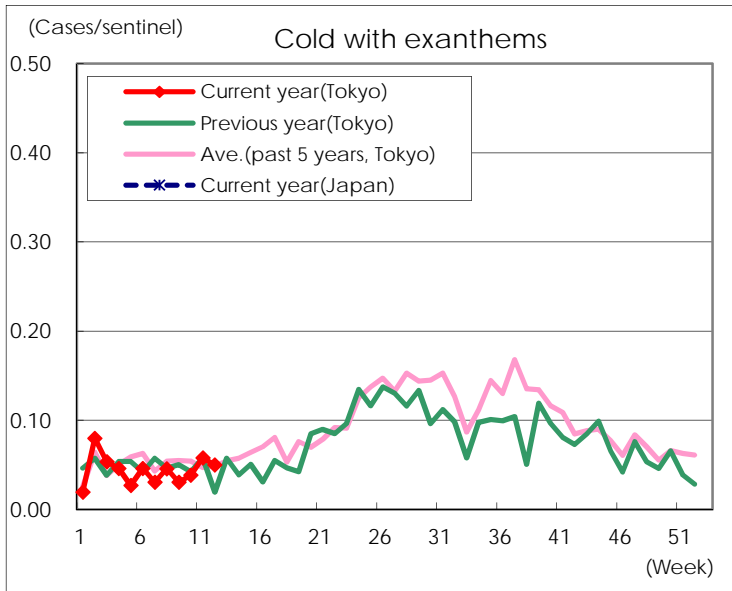
Diseases	Tokyo				
	9th	10th	11th	12th	/sentinel
Respiratory syncytial virus infection	25	29	36	26	0.10
Pharyngoconjunctival fever	67	66	58	52	0.20
Group A streptococcal pharyngitis	514	574	619	415	1.59
Infectious gastroenteritis	1,859	1,898	2,104	1,758	6.74
Chickenpox	72	73	83	75	0.29
Hand, foot, and mouth disease	17	9	10	9	0.03
Erythema infectiosum	22	29	17	21	0.08
Exanthem subitum	131	113	138	99	0.38
Pertussis	1	2	1		
Herpangina	1	1	3	1	
Mumps	84	58	64	59	0.23
Kawasaki disease	6	6	7	3	0.01
Cold with exanthems	8	10	15	13	0.05
Influenza	5,181	4,236	4,217	3,008	7.28
Acute hemorrhagic conjunctivitis		1	1		
Epidemic keratoconjunctivitis	12	8	12	15	0.38
Bacterial meningitis				1	0.04
Aseptic meningitis		1		2	0.08
Mycoplasma pneumonia	5	3	8	5	0.21
Chlamydial pneumonia (excluding psittacosis)	1		1	1	0.04
Infectious gastroenteritis (only by Rotavirus)	12	21	16	34	1.42
Influenza-Associated Hospitalizations	21	25	21	16	0.67

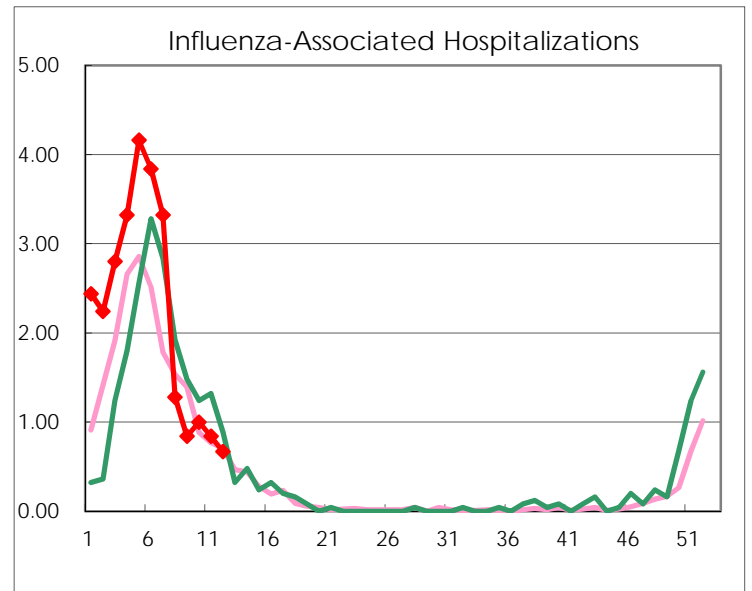
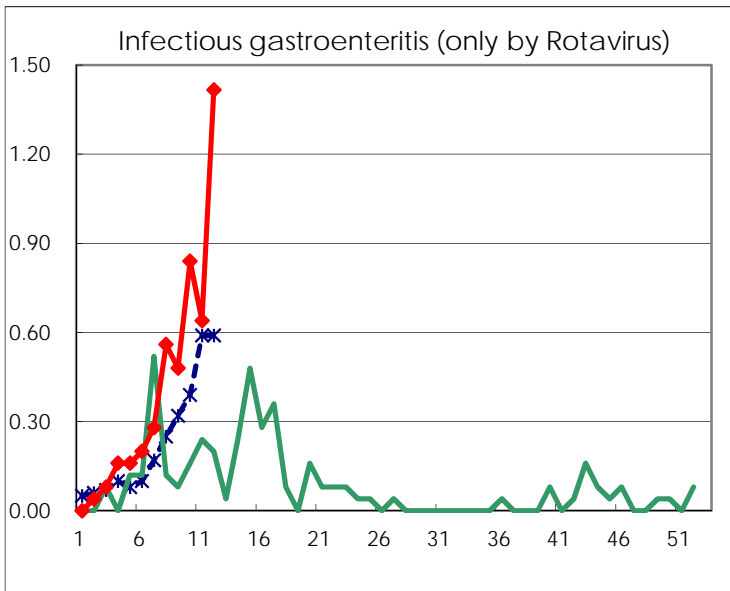
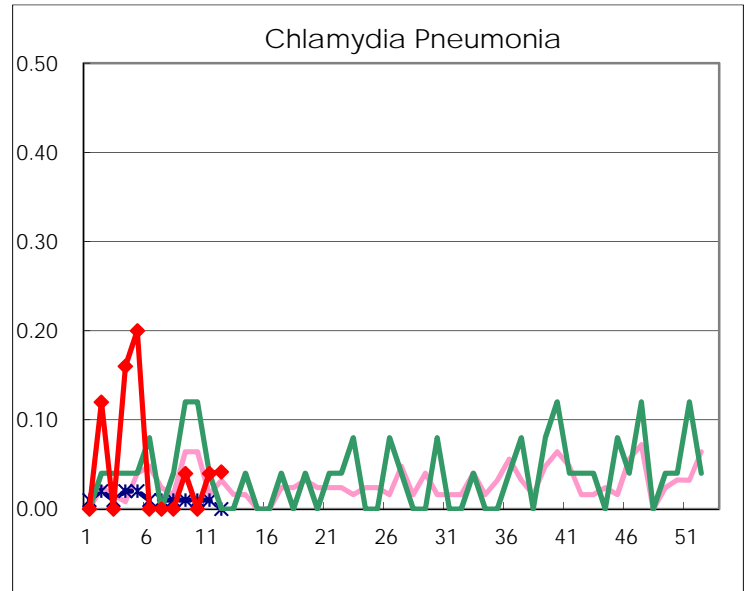
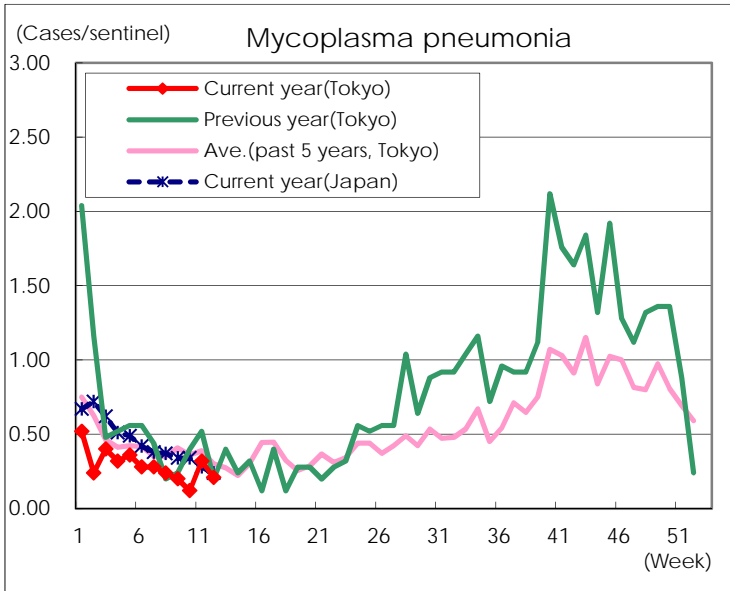
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	261
Influenza	419	413
Ophthalmic	39	39
Specially-designated	25	24