

6 April 2017 / Number 13

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	
		10th	11th	12th	13th	Cum 2017	13th	Cum 2017
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	65	52	50	48	790	318	5,136
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis	1			1	11	2	39
	Enterohemorrhagic Escherichia coli infection		2	2	6	21	18	186
	Typhoid fever					1		6
	Paratyphoid fever	1			1	2	1	4
IV	Hepatitis E		2	1		16	4	94
	West Nile fever							
	Hepatitis A	5	6		1	25	6	61
	Echinococcosis							9
	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	1	39
	Dengue fever		2	1	1	12	8	53
	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	
Malaria		1		1	4	1	10	
Tularemia								
Lyme disease							1	
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	2		2	4	32	32	289	
Leptospirosis					1		2	
Rocky mountain spotted fever								

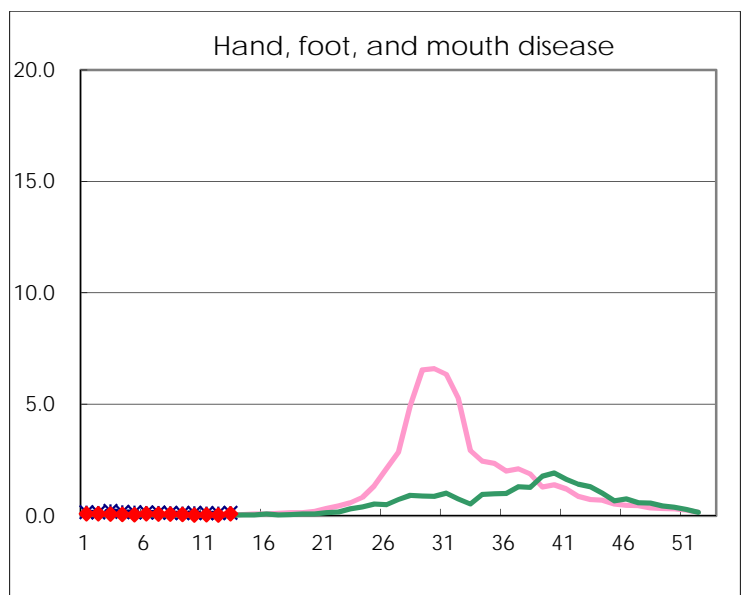
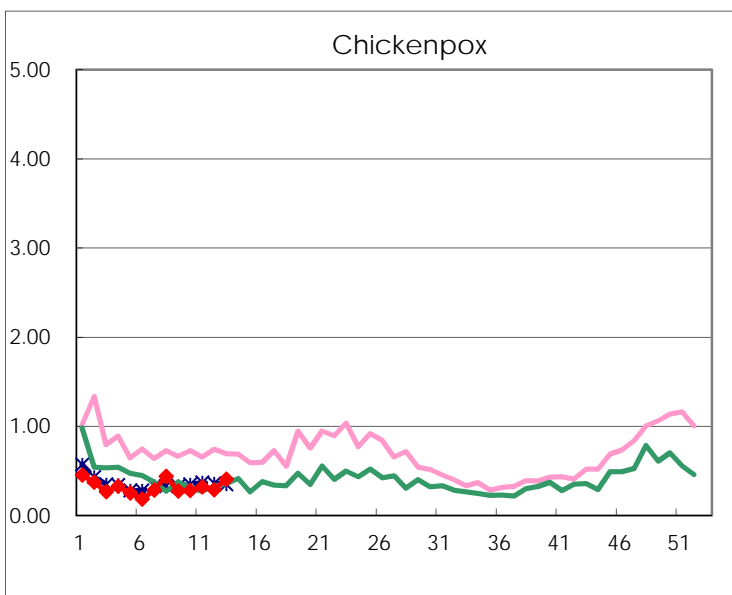
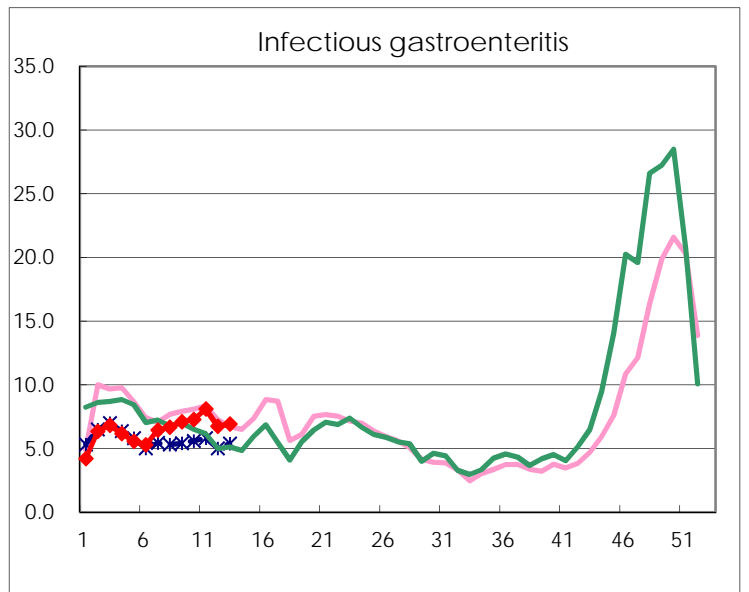
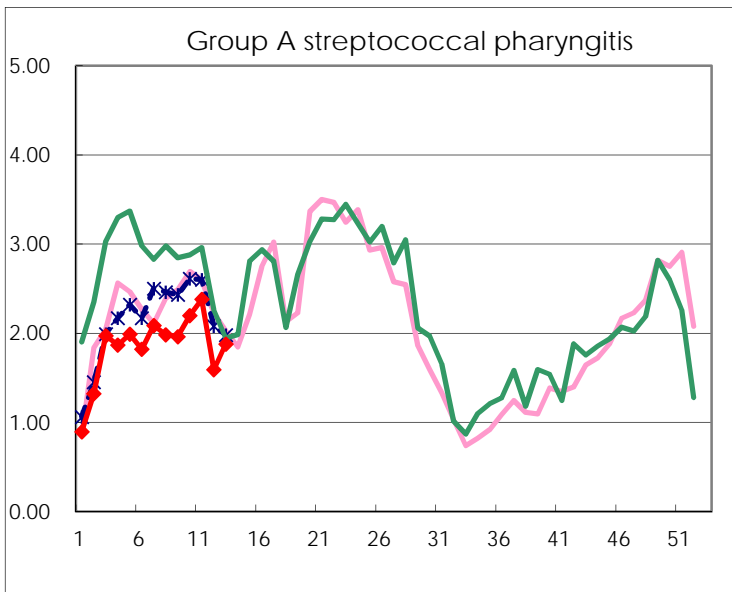
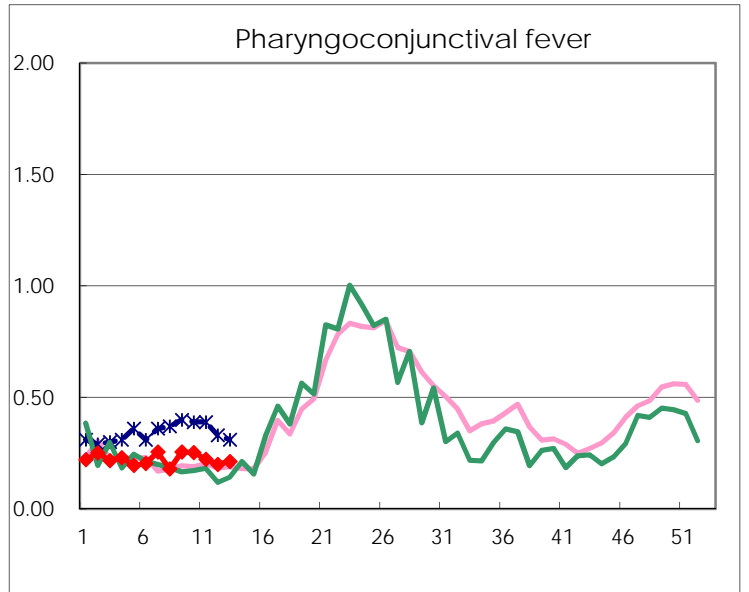
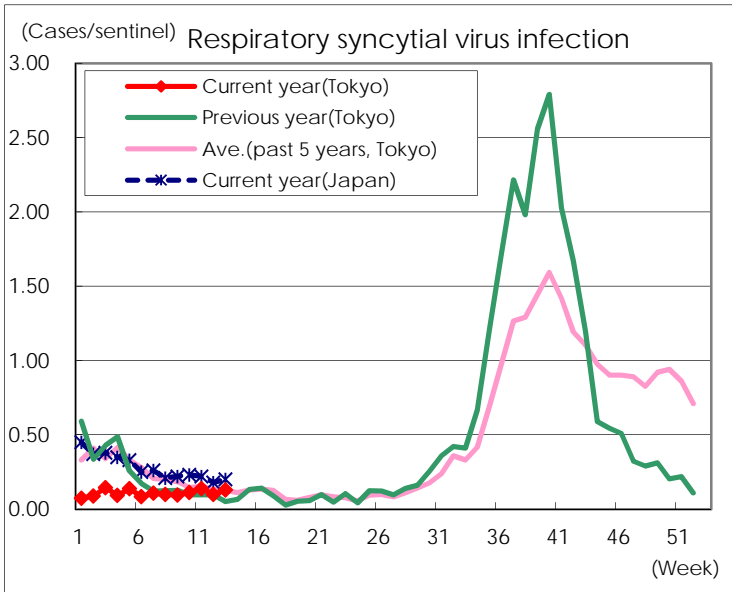
Category	Diseases	Tokyo					Japan	
		10th	11th	12th	13th	Cum 2017	13th	Cum 2017
V	Amebiasis	4	5	3	6	60	13	274
	Viral hepatitis(excluding hepatitis A and E)	1	1	5		15	1	69
	CRE infection	2	5	2	4	42	20	347
	Acute encephalitis(excluding JE and WNE)		3	1	1	21	8	205
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease	2	1			7	3	41
	Severe invasive streptococcal infections(TSLS)	3	3	1	2	20	5	137
	Acquired immunodeficiency syndrome (AIDS)	5	7	4	8	110	12	305
	Giardiasis		1	1		6	2	13
	Invasive <i>Haemophilus influenzae</i> disease	1			3	13	5	105
	Invasive meningococcal disease				1	1	2	8
	Invasive pneumococcal disease	10	7	15	16	134	57	962
	Varicella (limited to hospitalized case)			1	1	9	1	60
	Congenital rubella syndrome							
	Syphilis	30	32	26	22	356	66	1,105
	Disseminated cryptococcosis	1				5	5	37
	Tetanus					1		11
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection					3	1	25
	Rubella	1		1		2		17
Measles		3	3	4	13	13	99	
MDRA infection							8	

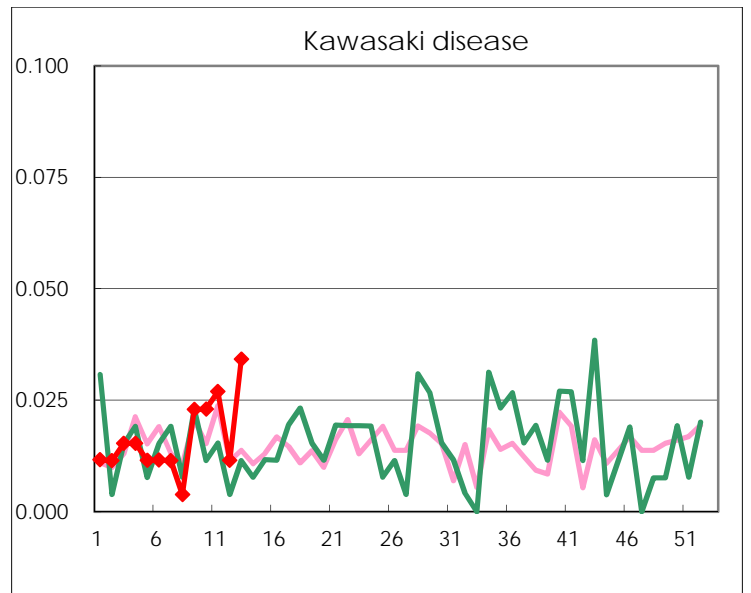
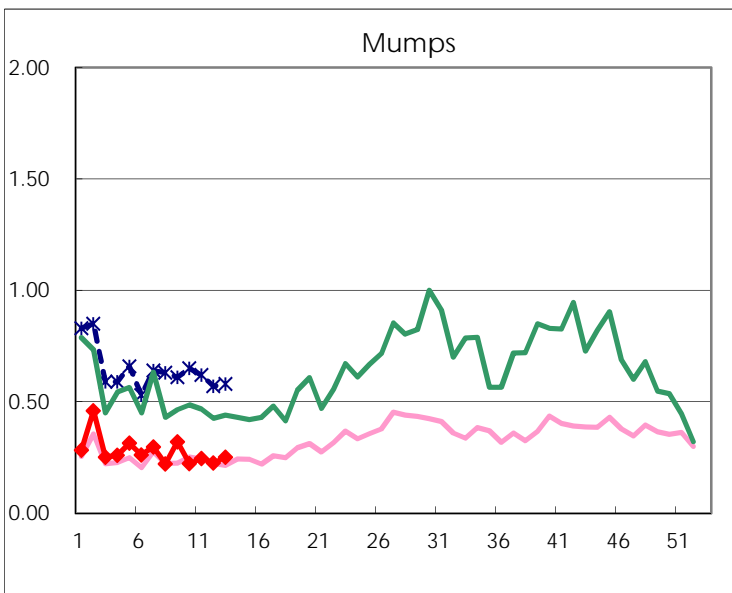
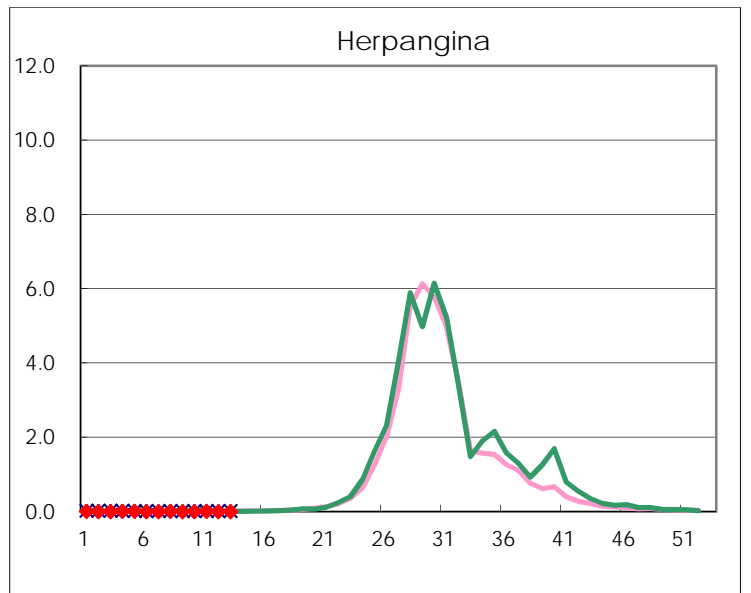
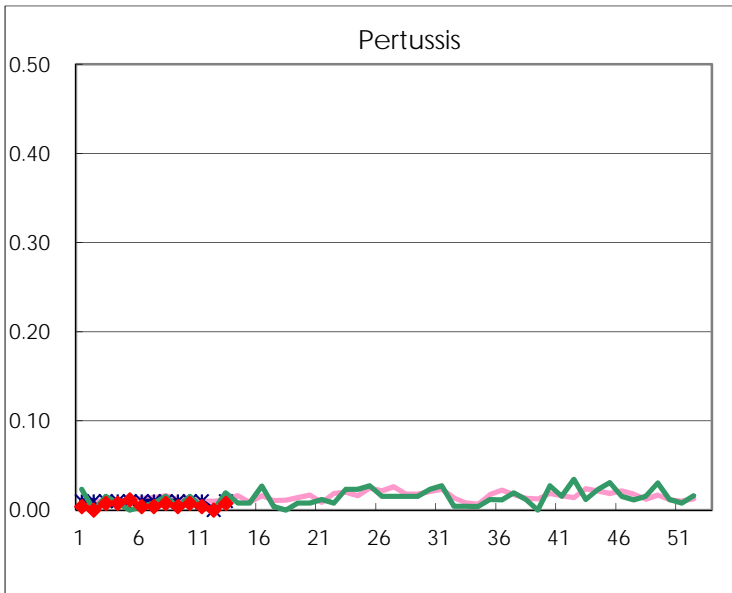
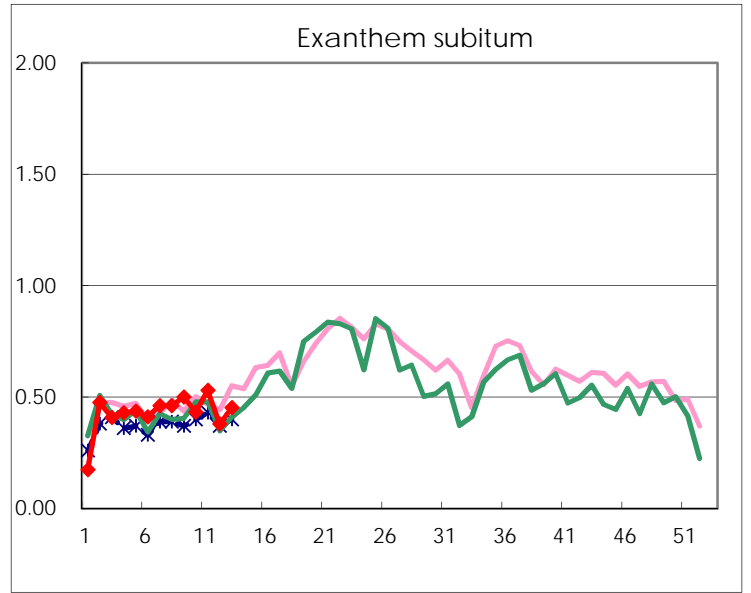
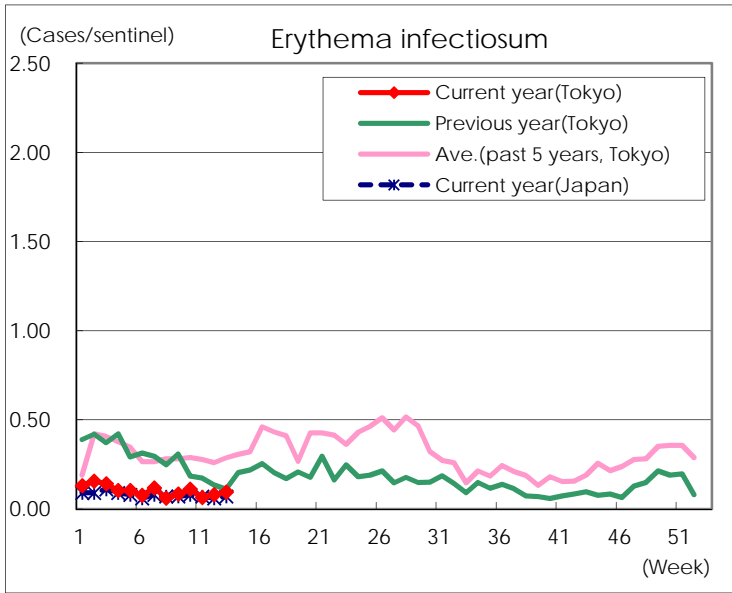
Number of patients with the diseases to be reported
by the designated clinics and hospitals

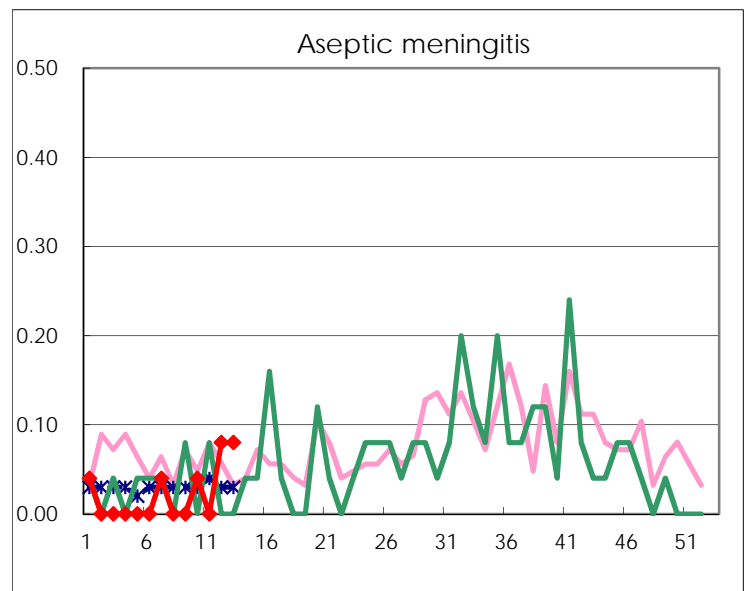
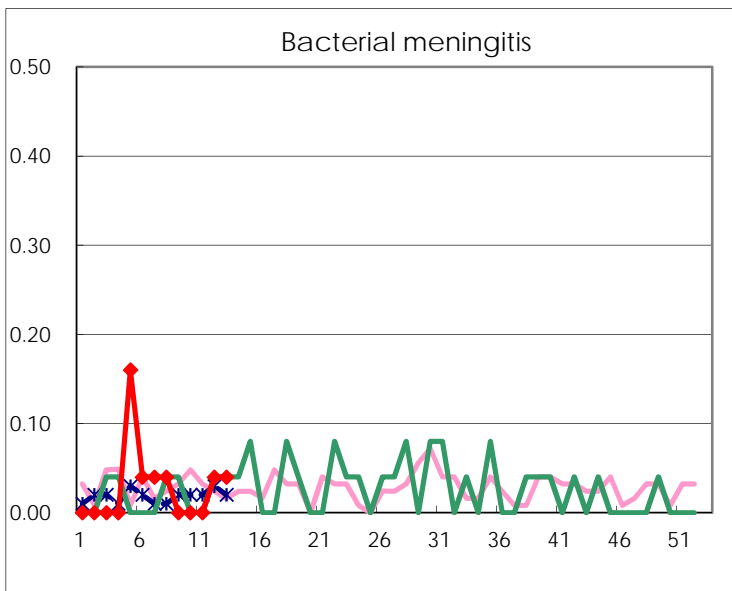
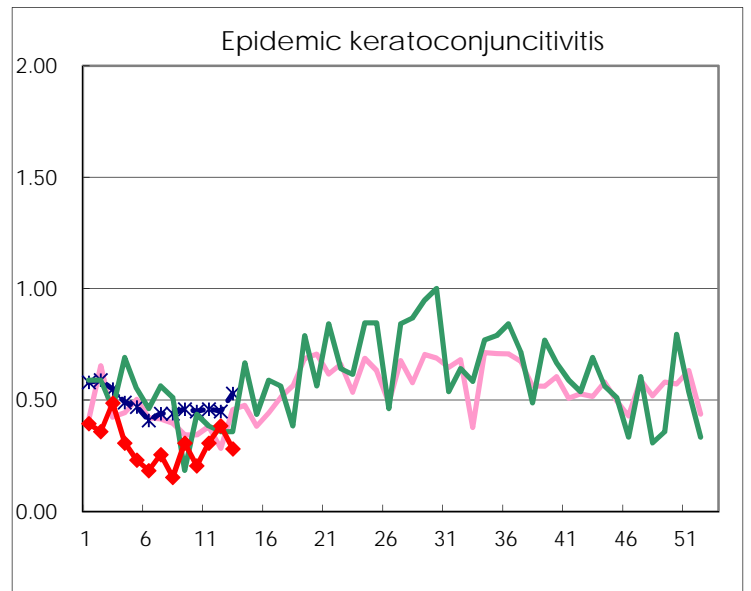
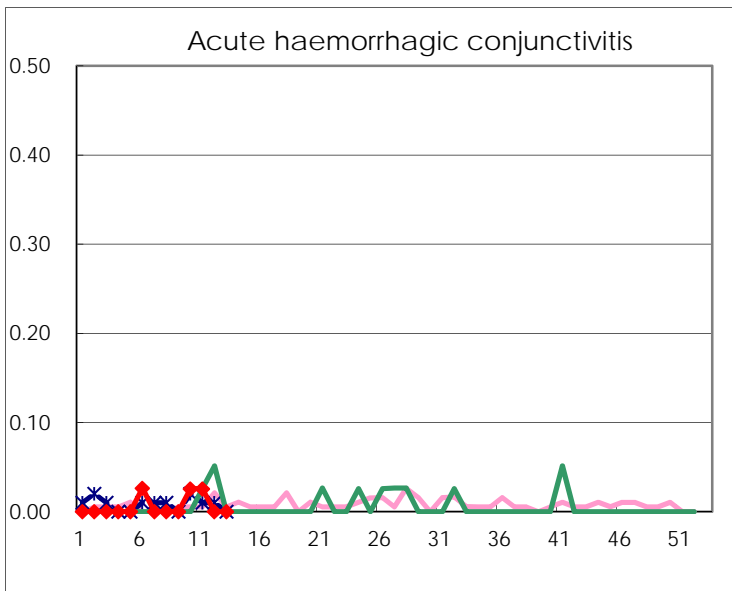
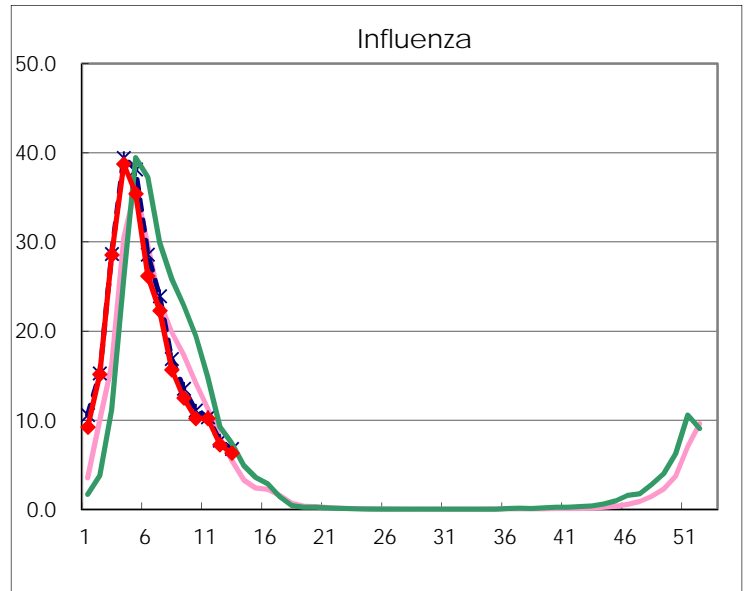
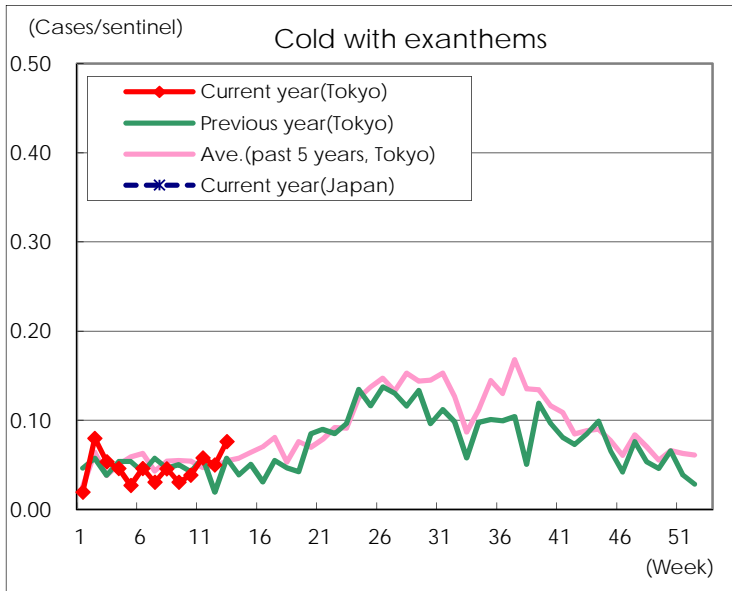
Diseases	Tokyo				
	10th	11th	12th	13th	/sentinel
Respiratory syncytial virus infection	29	36	26	34	0.13
Pharyngoconjunctival fever	66	58	52	56	0.21
Group A streptococcal pharyngitis	574	619	415	494	1.88
Infectious gastroenteritis	1,898	2,104	1,758	1,821	6.92
Chickenpox	73	83	75	107	0.41
Hand, foot, and mouth disease	9	10	9	24	0.09
Erythema infectiosum	29	17	21	25	0.10
Exanthem subitum	113	138	99	119	0.45
Pertussis	2	1		2	0.01
Herpangina	1	3	1	1	
Mumps	58	64	59	66	0.25
Kawasaki disease	6	7	3	9	0.03
Cold with exanthems	10	15	13	20	0.08
Influenza	4,236	4,217	3,008	2,635	6.32
Acute hemorrhagic conjunctivitis	1	1			
Epidemic keratoconjunctivitis	8	12	15	11	0.28
Bacterial meningitis			1	1	0.04
Aseptic meningitis	1		2	2	0.08
Mycoplasma pneumonia	3	8	5	6	0.24
Chlamydial pneumonia (excluding psittacosis)		1	1	1	0.04
Infectious gastroenteritis (only by Rotavirus)	21	16	34	13	0.52
Influenza-Associated Hospitalizations	25	21	16	14	0.56

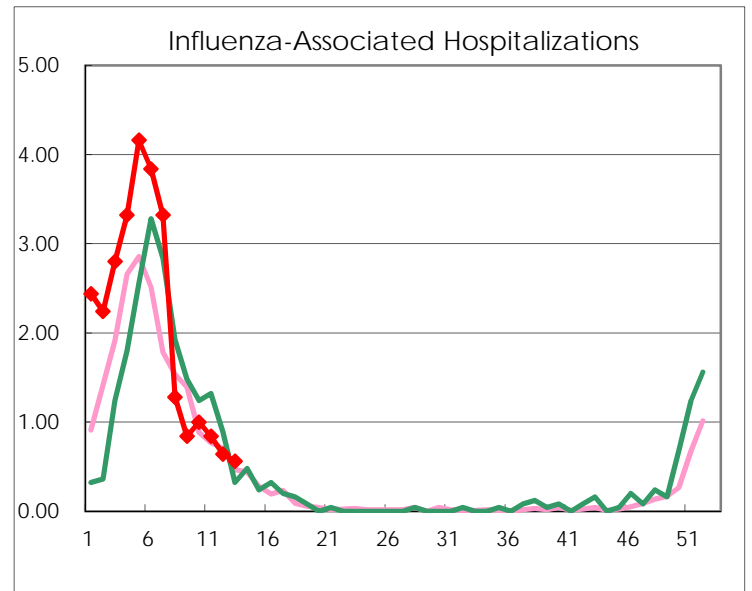
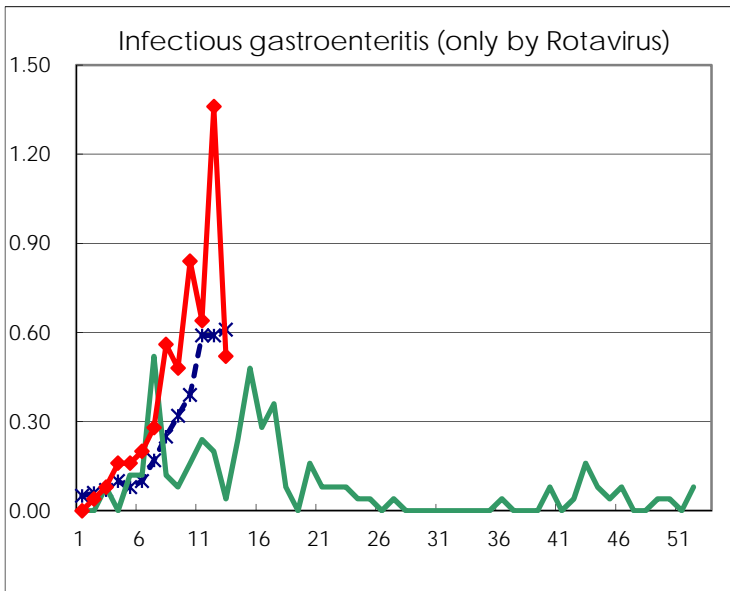
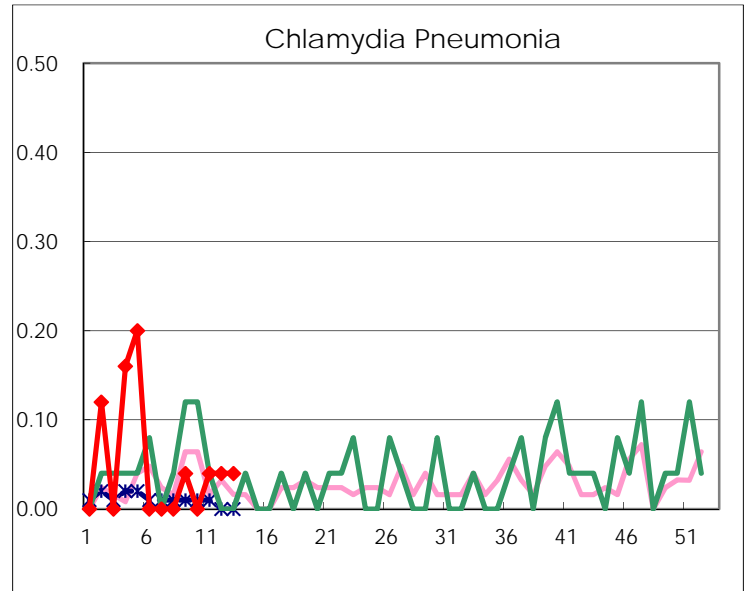
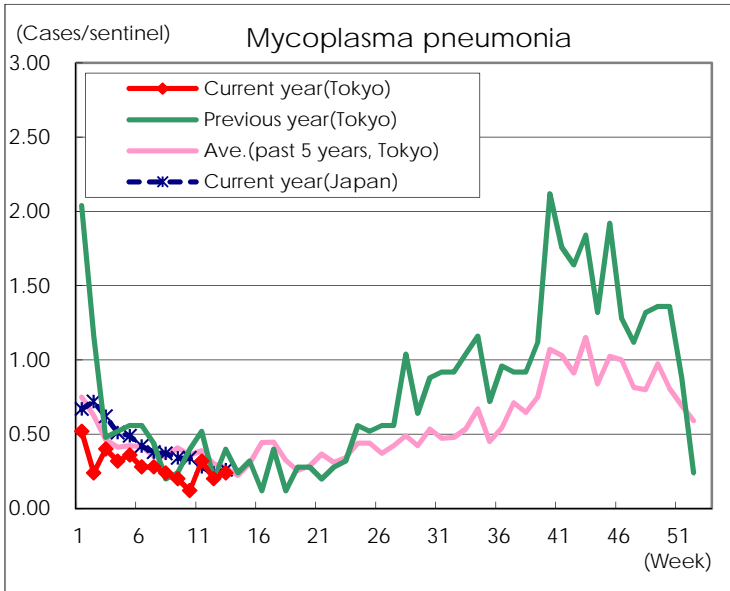
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	263
Influenza	419	417
Ophthalmic	39	39
Specially-designated	25	25