

14 February 2019 / Number 6

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	
		3rd	4th	5th	6th	Cum 2019	6th	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	50	49	53	282	317	1,848
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis					2	1	8
	Enterohemorrhagic Escherichia coli infection	1	4	4		14	27	111
	Typhoid fever		1			1	1	4
	Paratyphoid fever				1	1	1	3
IV	Hepatitis E		2	3	1	10	8	43
	West Nile fever							
	Hepatitis A		1	1	2	8	10	70
	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							
	Scrub typhus(Tsutsugamushi disease)						1	36
	Dengue fever	5	1	2		14		32
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever						1	2
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
Epidemic typhus								
Botulism								
Malaria	1				2		4	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	4	2	7	3	22	25	163	
Leptospirosis								
Rocky mountain spotted fever								

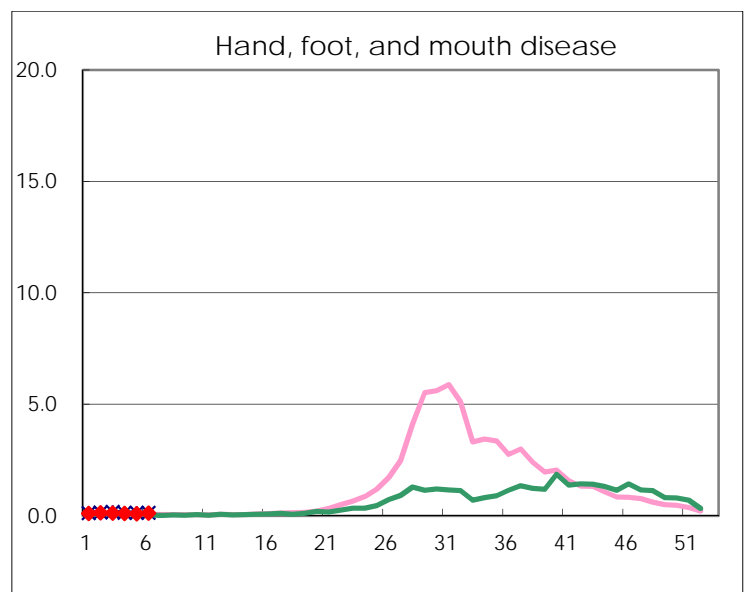
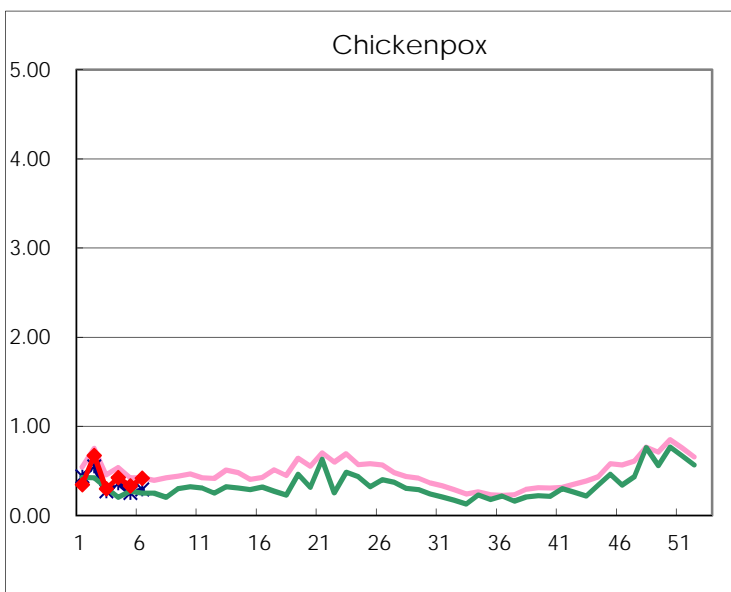
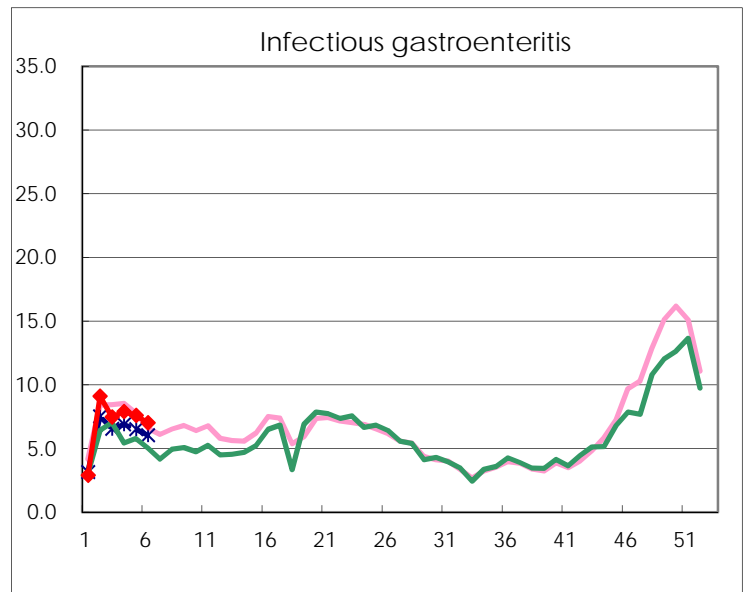
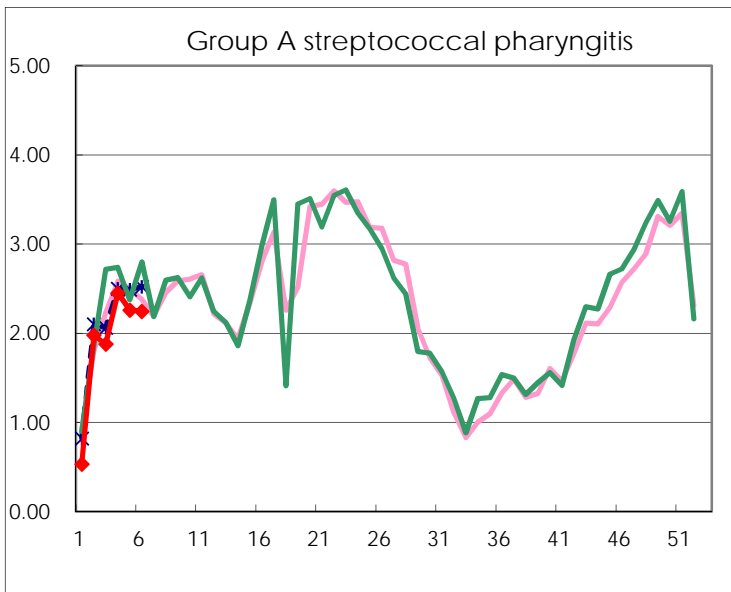
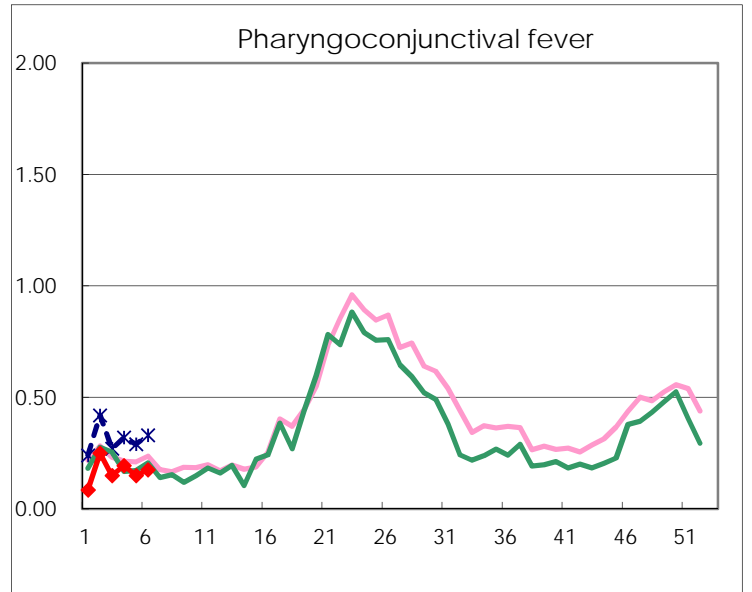
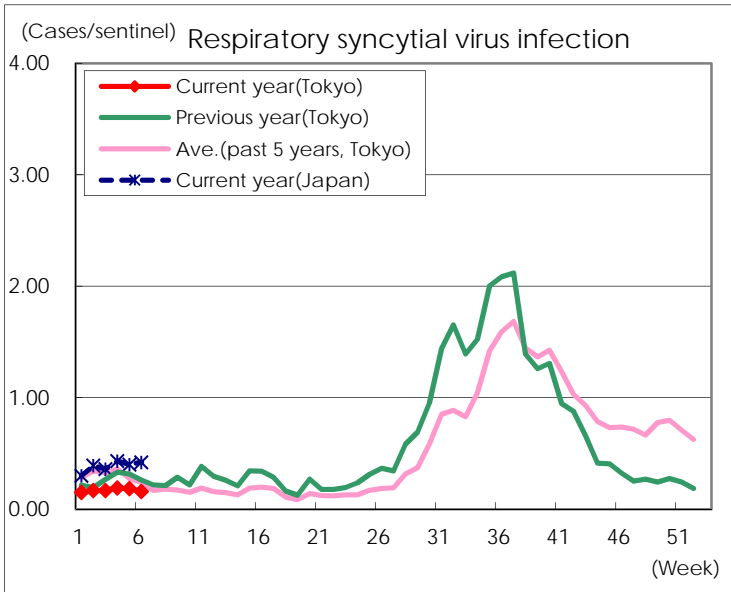
Category	Diseases	Tokyo					Japan	
		3rd	4th	5th	6th	Cum 2019	6th	Cum 2019
V	Amebiasis	3	3	5	5	20	10	77
	Viral hepatitis(excluding hepatitis A and E)	2		2	3	8	3	35
	CRE infection	6	3	4		21	22	208
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)						1	7
	Acute encephalitis(excluding JE and WNE)	6	6	5	4	26	16	210
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease			2		3	1	14
	Severe invasive streptococcal infections(TSLs)	3	2	1	3	14	11	114
	Acquired immunodeficiency syndrome (AIDS)	5	10	11	7	39	11	95
	Giardiasis	1				1		2
	Invasive <i>Haemophilus influenzae</i> disease	2	3	3	1	17	6	95
	Invasive meningococcal disease			1		1		9
	Invasive pneumococcal disease	12	11	15	6	69	59	499
	Varicella (limited to hospitalized case)	1	3		2	6	4	47
	Congenital rubella syndrome							1
	Syphilis	31	34	33	29	175	66	567
	Disseminated cryptococcosis	1		1		2		13
	Tetanus						1	4
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						1	9
	Pertussis	56	51	66	39	263	249	1,680
Rubella	14	23	24	24	132	71	447	
Measles	1	3	1		11	22	167	
MDRA infection			1		2		4	

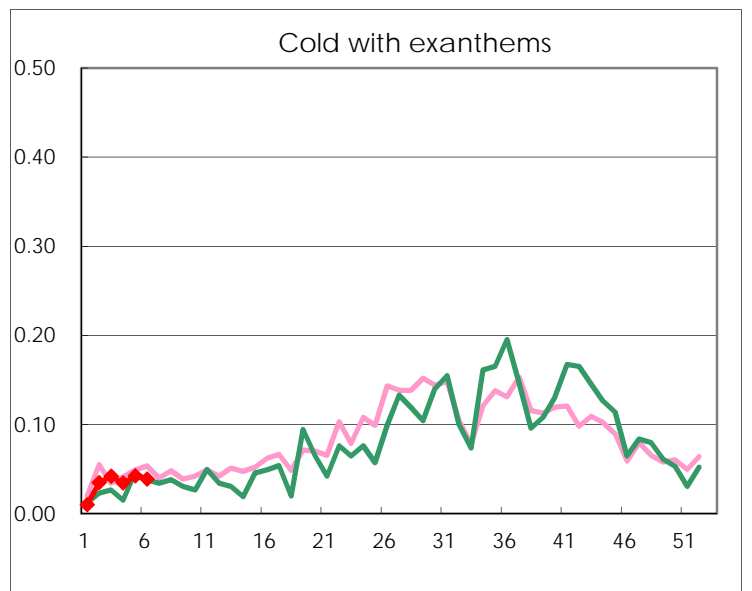
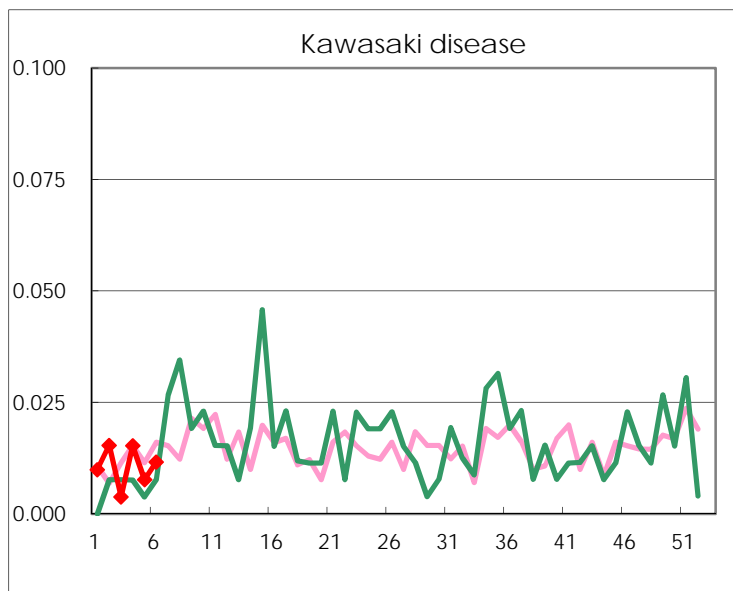
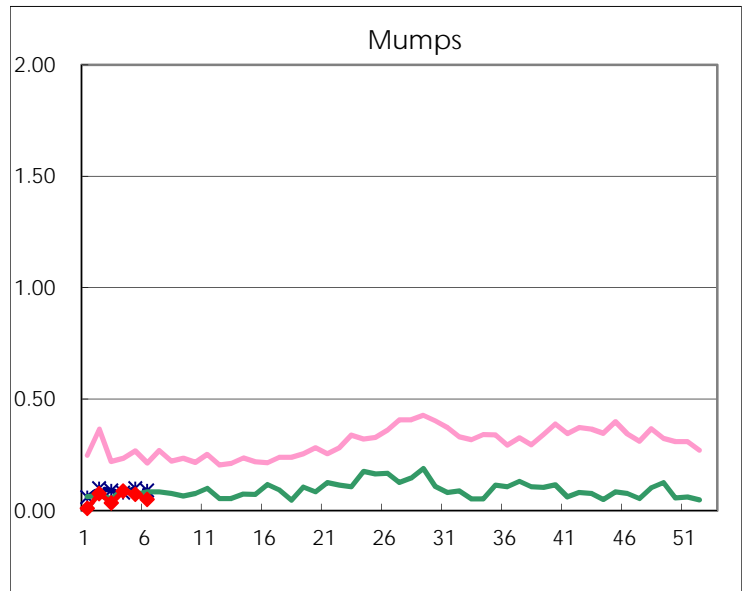
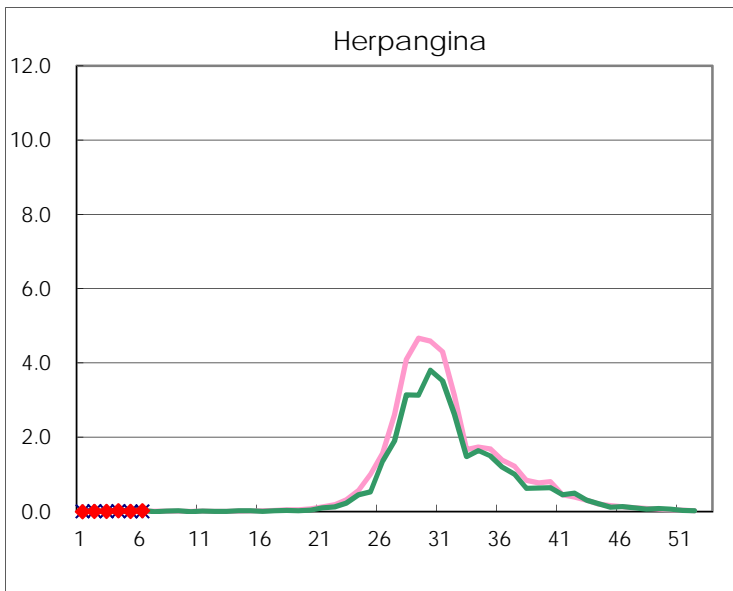
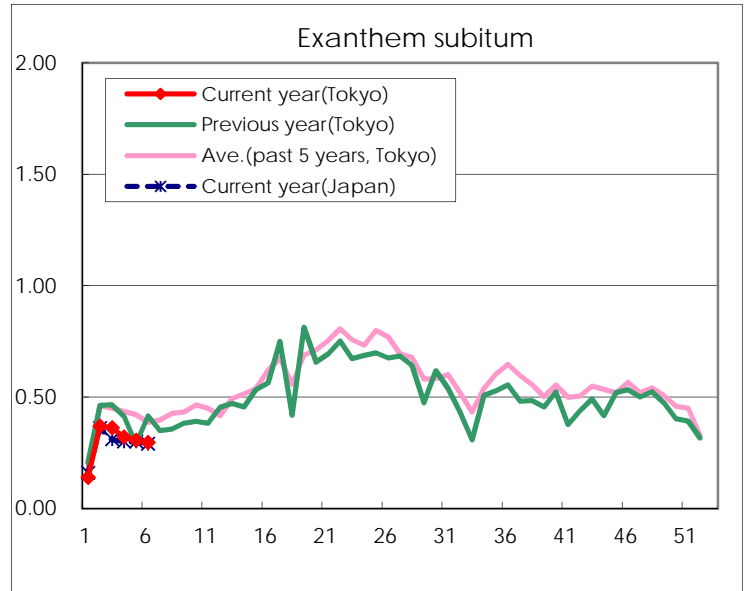
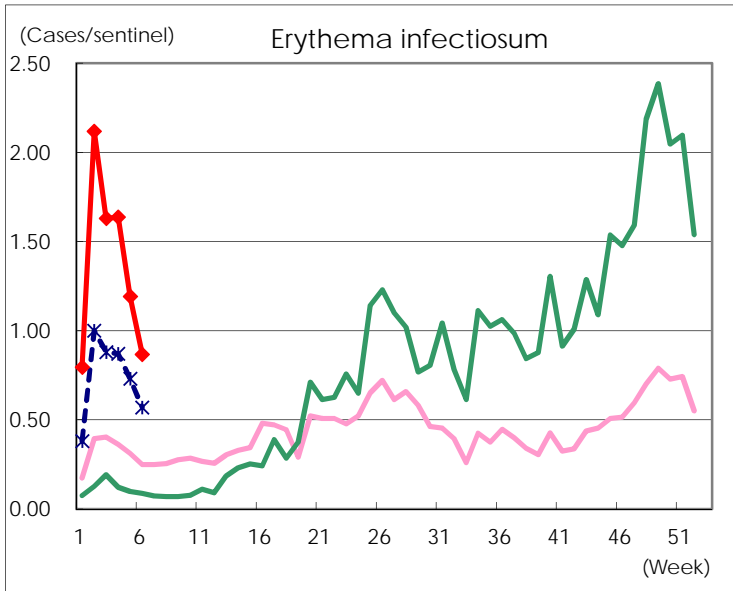
Number of patients with the diseases to be reported
by the designated clinics and hospitals

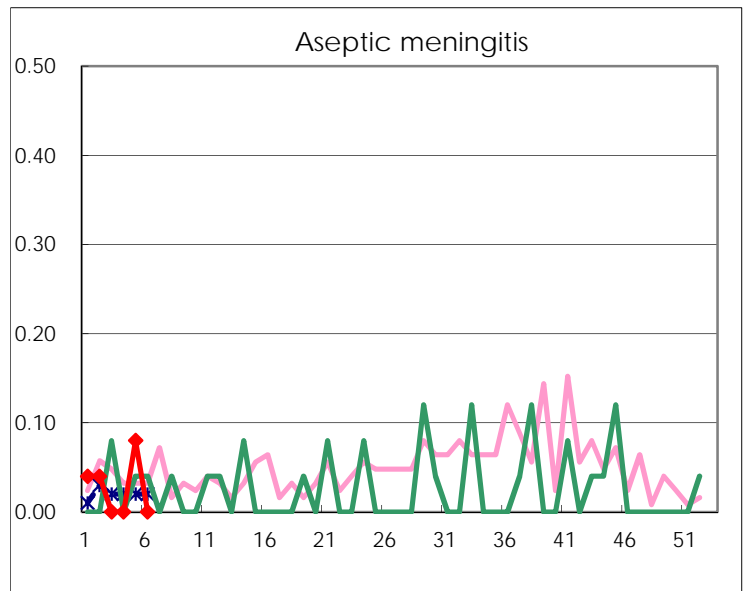
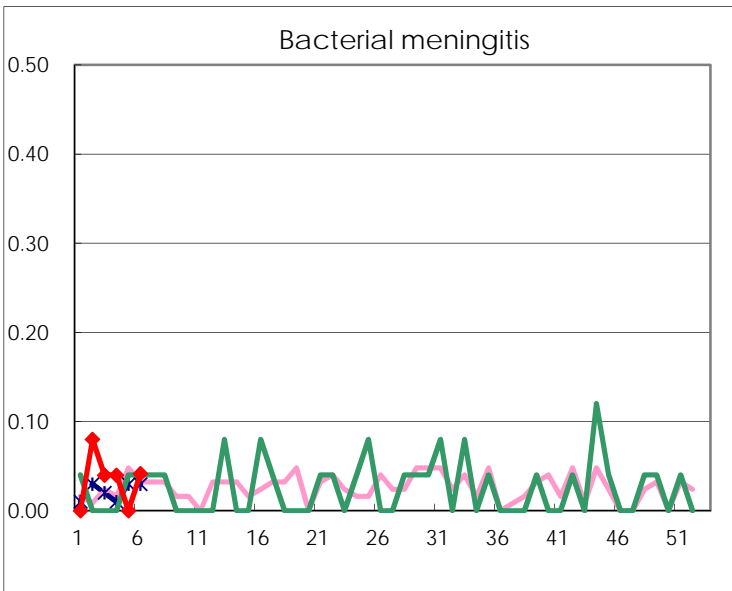
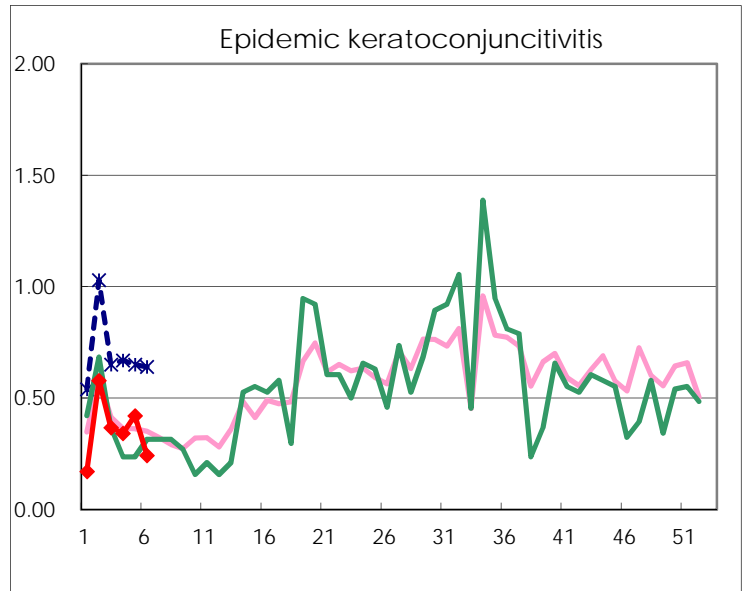
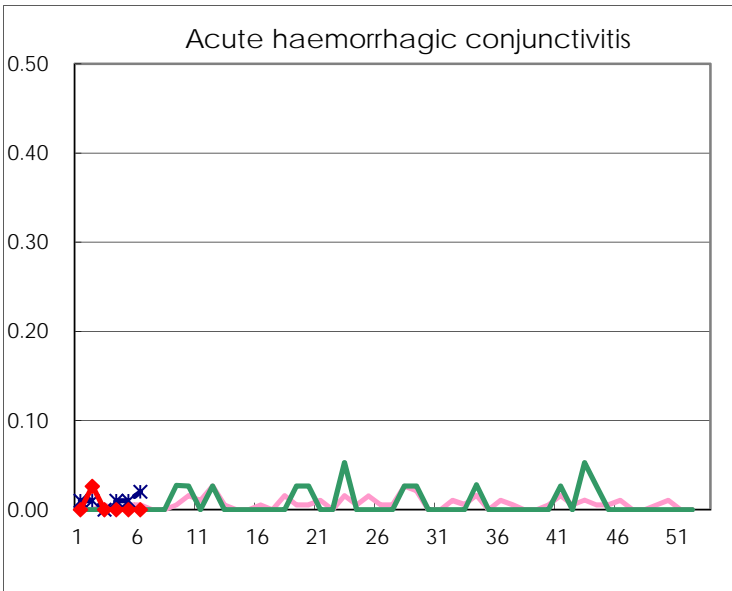
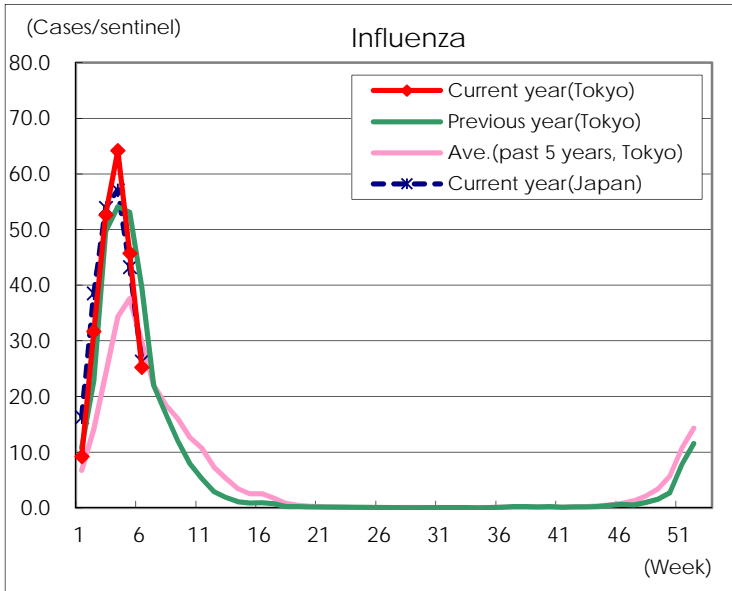
Diseases	Tokyo				
	3rd	4th	5th	6th	/sentinel
Respiratory syncytial virus infection	44	50	48	41	0.16
Pharyngoconjunctival fever	39	51	39	45	0.18
Group A streptococcal pharyngitis	492	642	590	577	2.25
Infectious gastroenteritis	1,958	2,067	1,981	1,802	7.01
Chickenpox	78	111	86	107	0.42
Hand, foot, and mouth disease	30	28	24	29	0.11
Erythema infectiosum	427	429	311	223	0.87
Exanthem subitum	95	84	80	76	0.30
Herpangina	3	6	2	6	0.02
Mumps	9	23	19	13	0.05
Kawasaki disease	1	4	2	3	0.01
Cold with exanthems	11	9	11	10	0.04
Influenza	21,850	26,635	18,926	10,304	25.25
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	14	13	16	9	0.24
Bacterial meningitis	1	1		1	0.04
Aseptic meningitis			2		
<i>Mycoplasma pneumoniae</i>	5	1	3	2	0.08
Chlamydial pneumonia (excluding psittacosis)			1	2	0.08
Infectious gastroenteritis (only by Rotavirus)	2	6	3	8	0.33
Influenza-Associated Hospitalizations	185	216	210	110	4.58

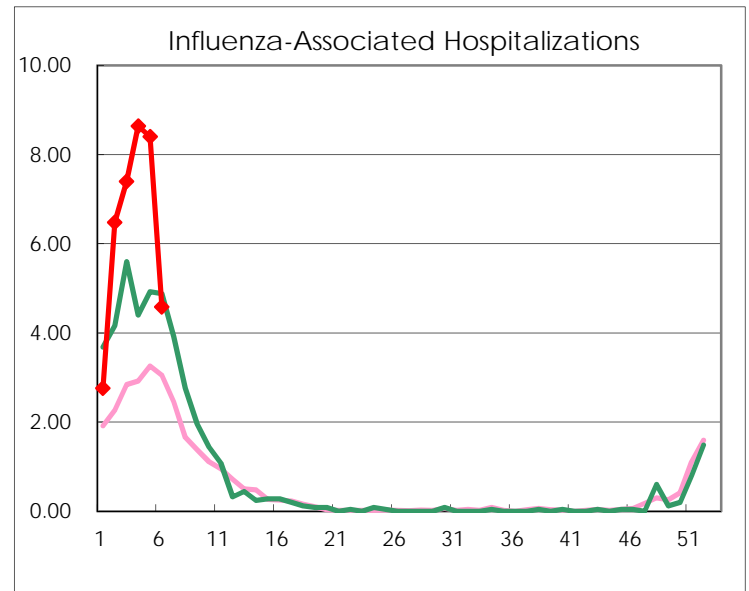
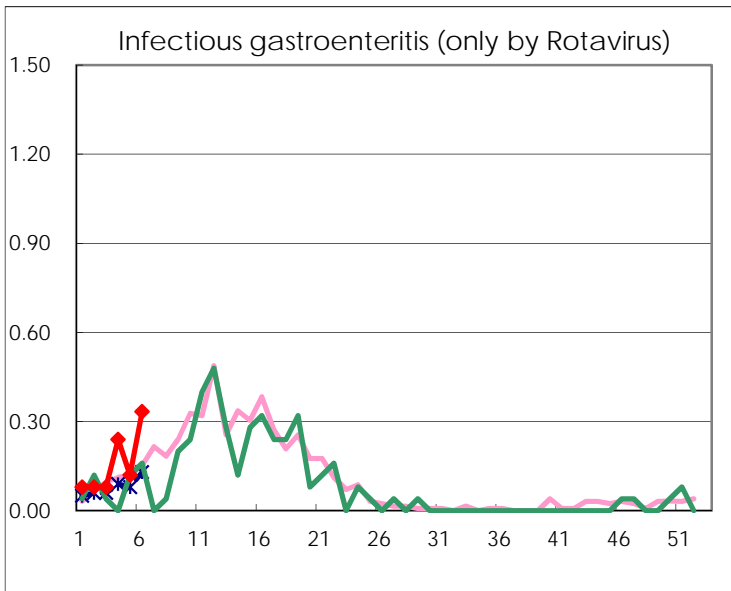
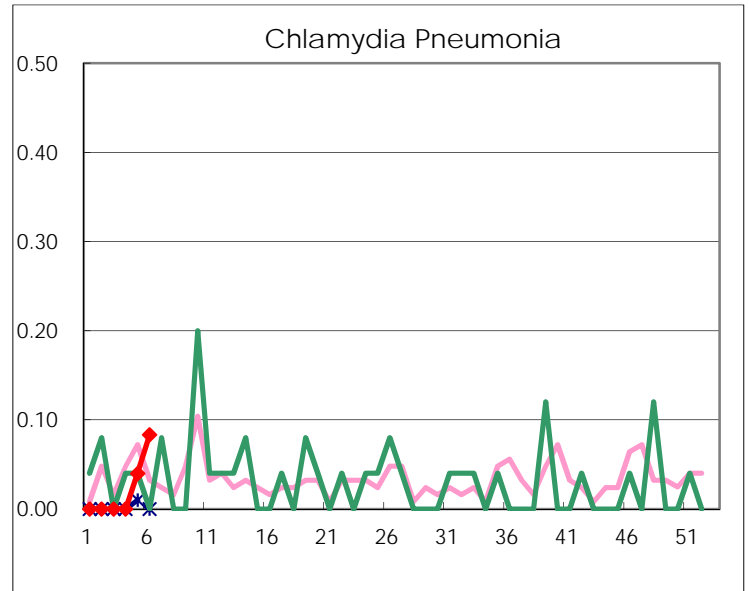
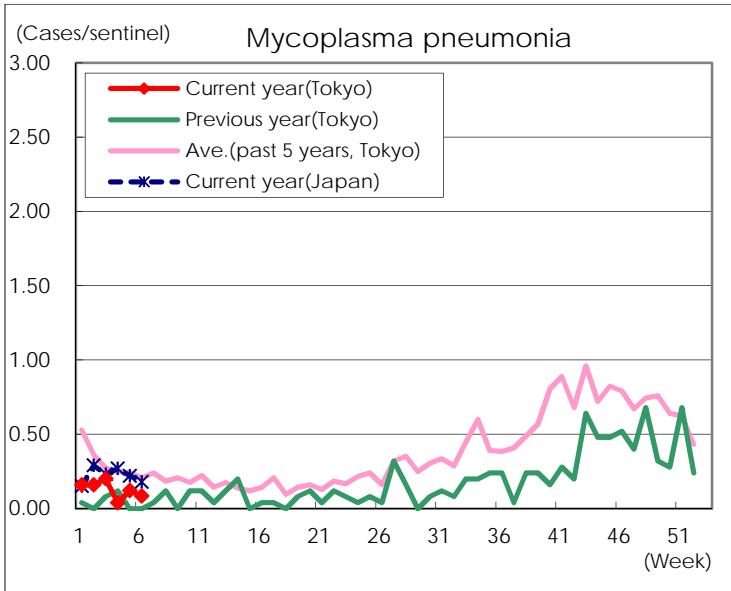
(Blank means 0.)

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	37
Specially-designated	25	24