

31 January 2019 / Number 4

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	
		1st	2nd	3rd	4th	Cum 2019	4th	Cum 2019
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	10	54	64	43	171	333	1,099
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera							
	Shigellosis		2			2	1	6
	Enterohemorrhagic Escherichia coli infection		5	1	4	10	13	73
	Typhoid fever				1	1		2
	Paratyphoid fever							
IV	Hepatitis E		4		2	6	5	23
	West Nile fever							
	Hepatitis A	1	3			4	9	55
	Echinococcosis							
	Yellow fever							
	Psittacosis							3
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	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)						4	29
	Dengue fever	1	5	4	1	11	1	26
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
Malaria	1		1		2		4	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	3	3	4	1	11	21	101	
Leptospirosis								
Rocky mountain spotted fever								

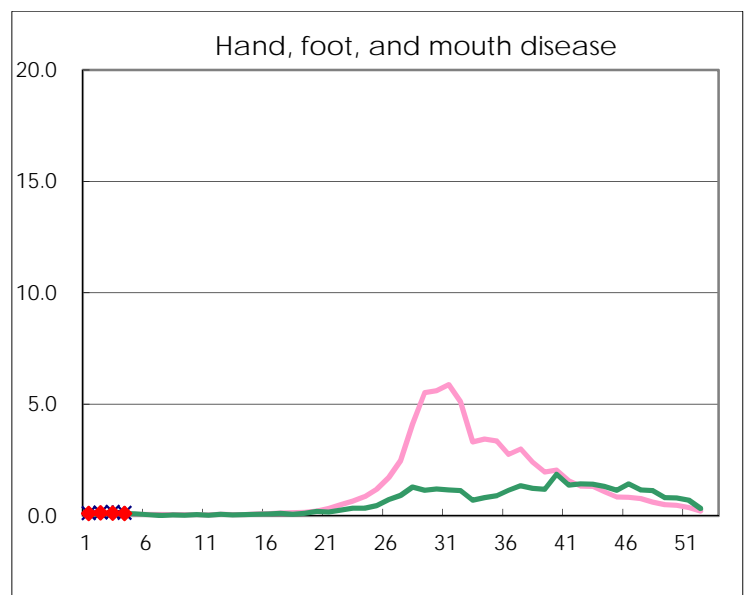
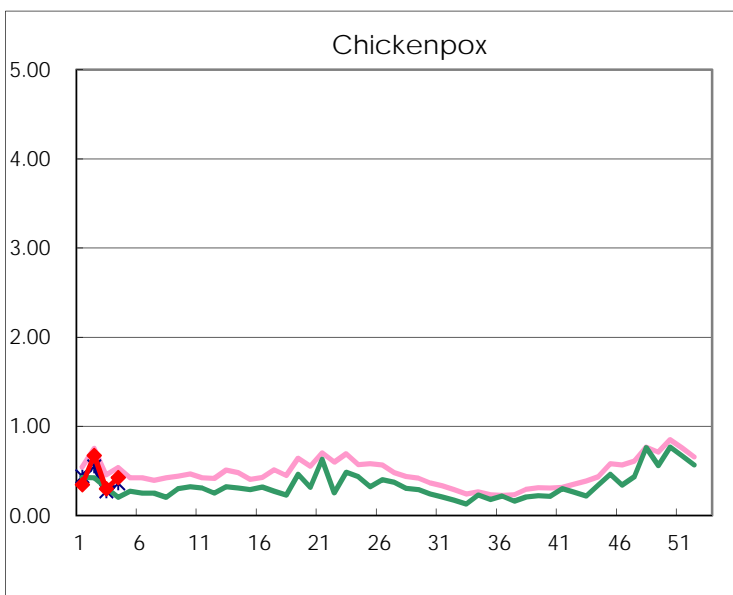
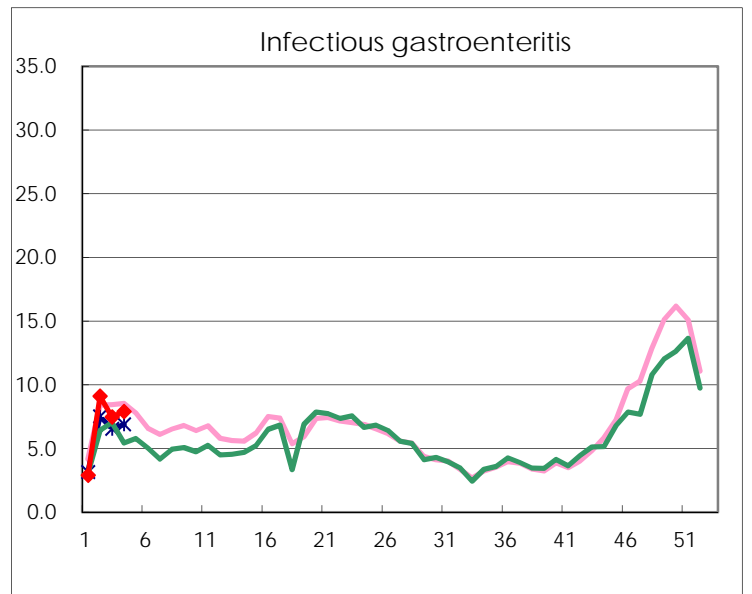
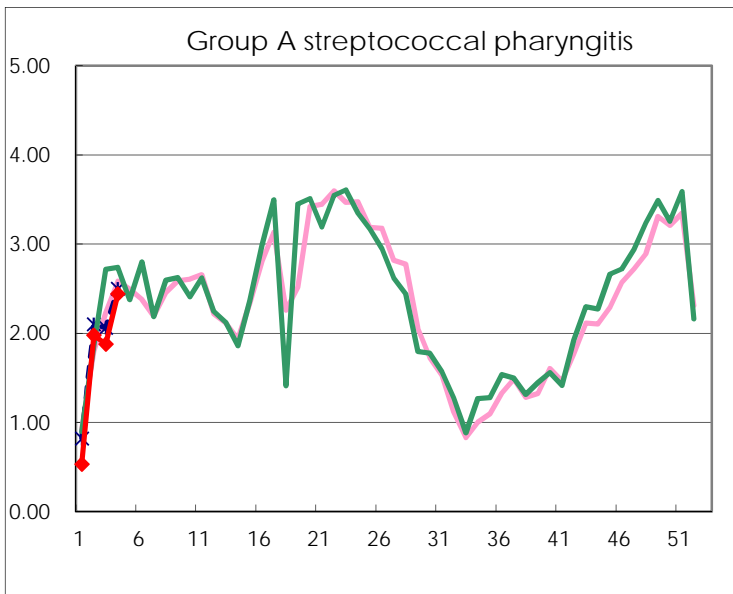
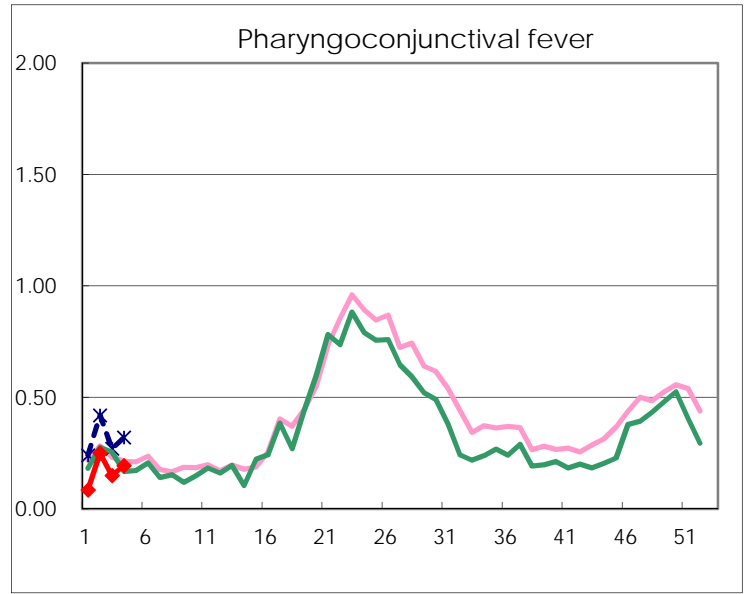
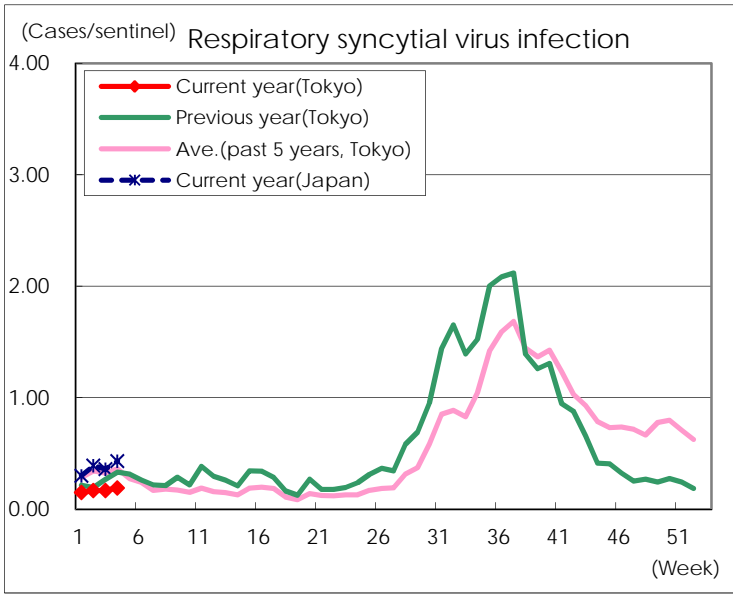
Category	Diseases	Tokyo					Japan	
		1st	2nd	3rd	4th	Cum 2019	4th	Cum 2019
V	Amebiasis		4	2	3	9	9	42
	Viral hepatitis(excluding hepatitis A and E)		1	2		3	10	22
	CRE infection	4	4	6	1	15	23	127
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)							3
	Acute encephalitis(excluding JE and WNE)		5	6	5	16	46	131
	Cryptosporidiosis							
	Creutzfeldt-Jakob disease		1			1	2	7
	Severe invasive streptococcal infections(TSLs)	1	4	3	2	10	19	75
	Acquired immunodeficiency syndrome (AIDS)	1	5	5	8	19	15	47
	Giardiasis			1		1		1
	Invasive <i>Haemophilus influenzae</i> disease	1	7	2	3	13	15	70
	Invasive meningococcal disease						3	8
	Invasive pneumococcal disease	6	19	11	8	44	49	321
	Varicella (limited to hospitalized case)			1	3	4	5	30
	Congenital rubella syndrome						1	1
	Syphilis	9	39	31	32	111	86	333
	Disseminated cryptococcosis			1		1		8
	Tetanus							2
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						1	4
	Pertussis	9	42	55	45	151	237	1,004
Rubella	12	35	13	21	81	81	280	
Measles	3	3	1	3	10	41	113	
MDRA infection		1			1		1	

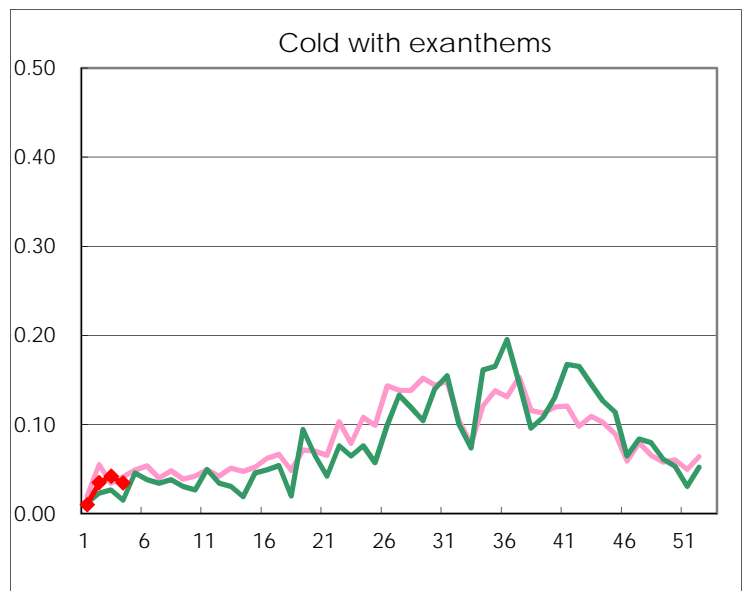
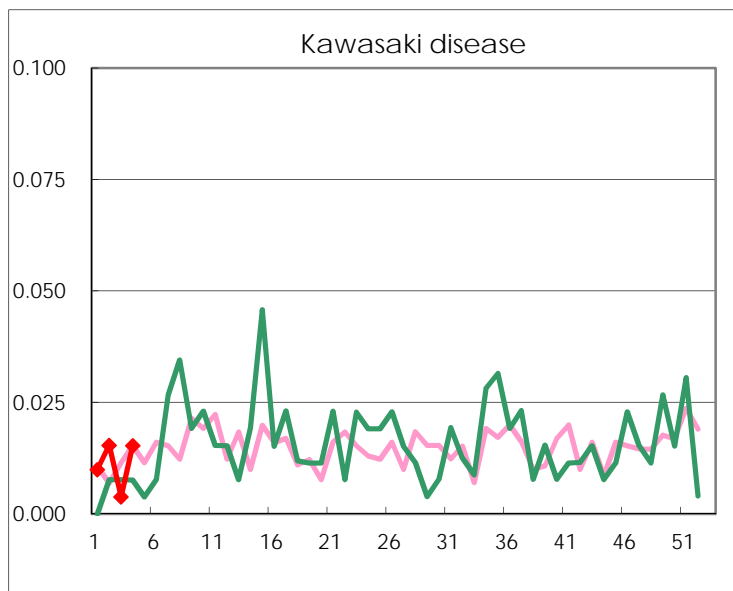
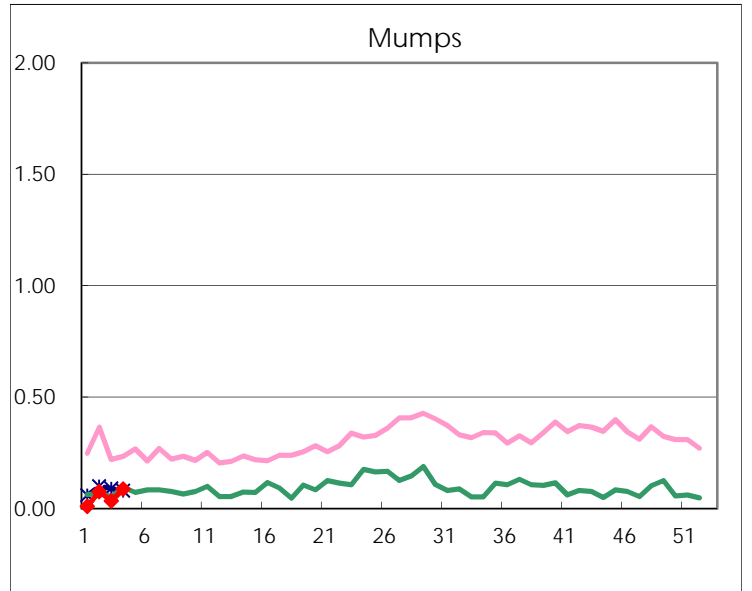
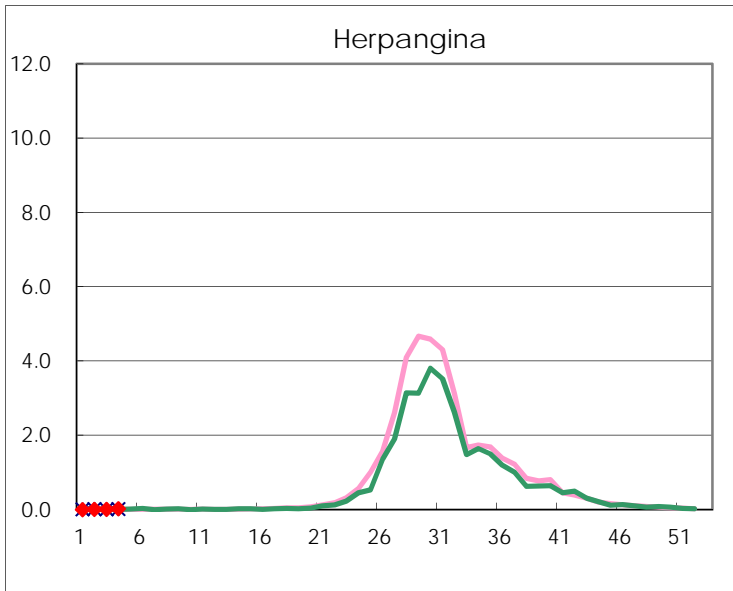
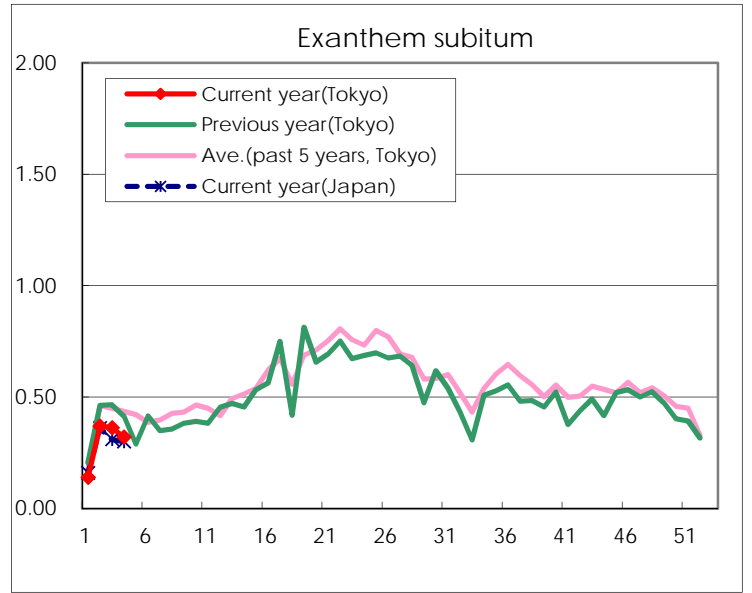
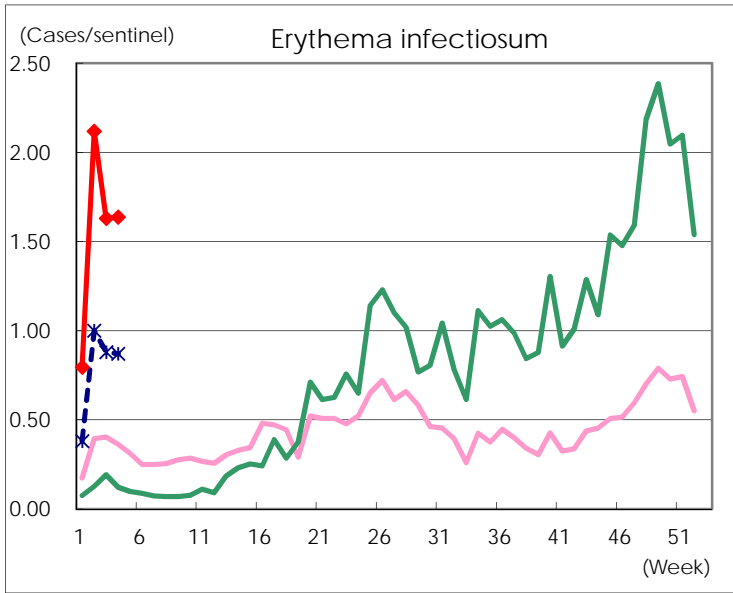
Number of patients with the diseases to be reported
by the designated clinics and hospitals

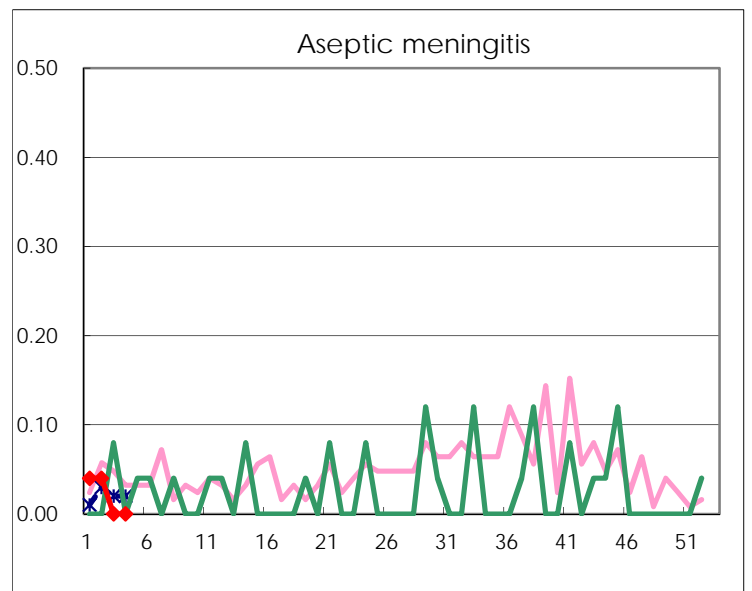
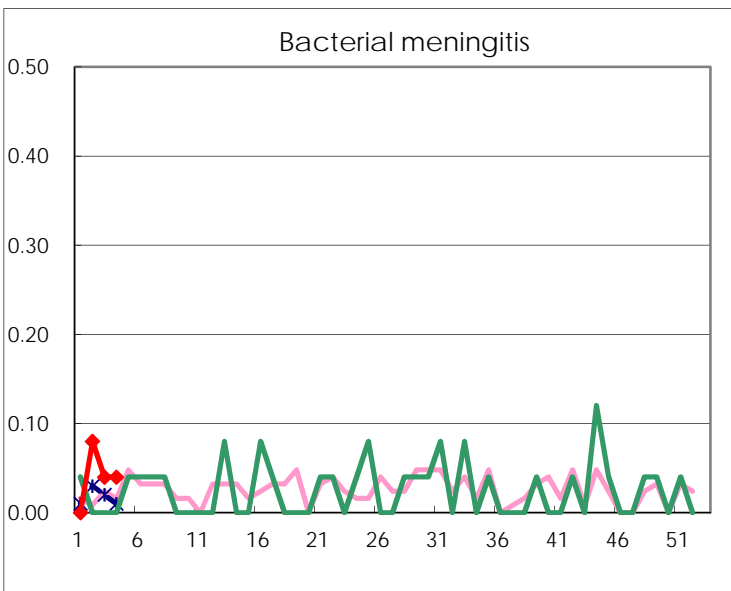
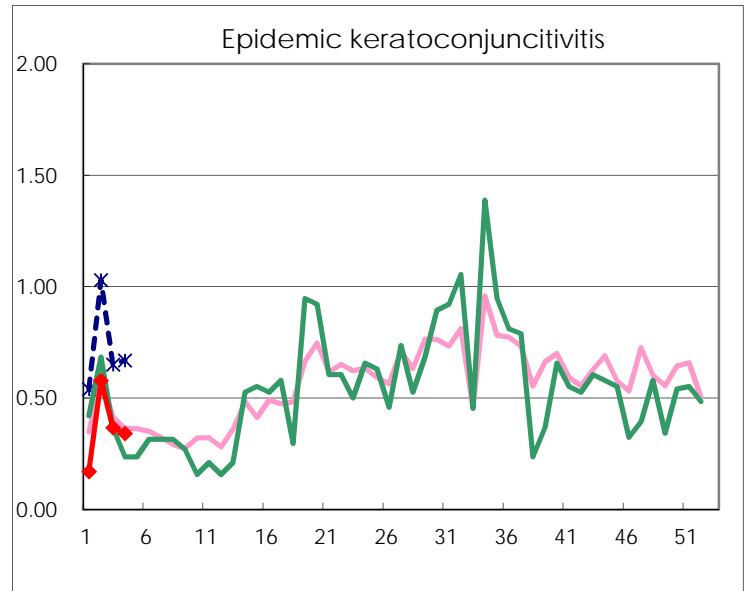
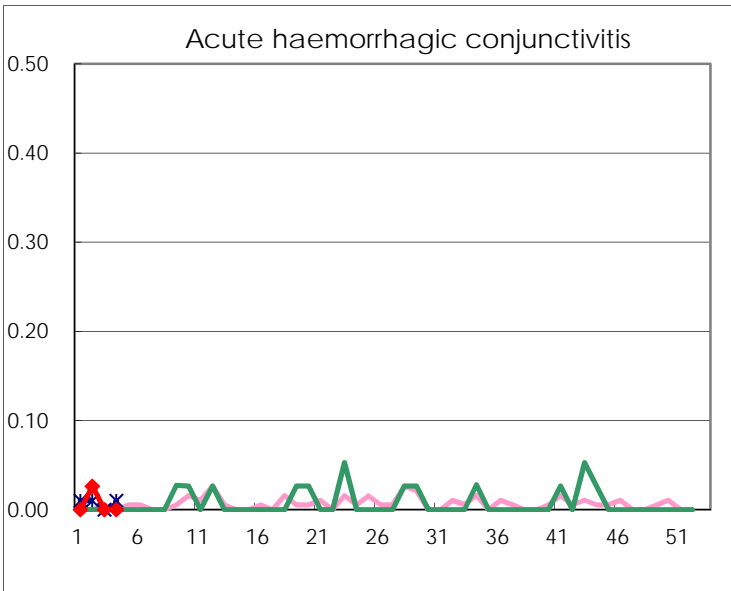
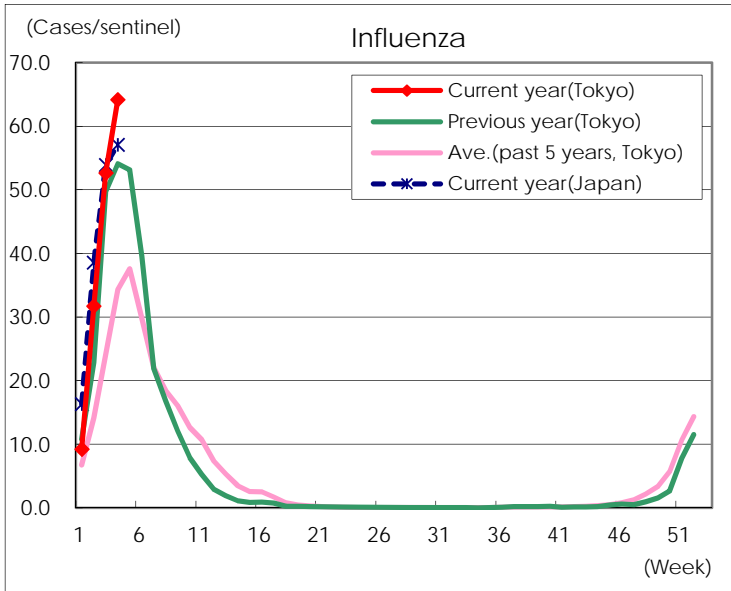
Diseases	Tokyo				
	1st	2nd	3rd	4th	/sentinel
Respiratory syncytial virus infection	30	43	44	50	0.19
Pharyngoconjunctival fever	17	65	39	51	0.19
Group A streptococcal pharyngitis	107	514	492	640	2.44
Infectious gastroenteritis	581	2,365	1,958	2,069	7.90
Chickenpox	69	175	78	111	0.42
Hand, foot, and mouth disease	21	32	30	28	0.11
Erythema infectiosum	160	551	427	429	1.64
Exanthem subitum	28	96	95	84	0.32
Herpangina		3	3	6	0.02
Mumps	2	20	9	23	0.09
Kawasaki disease	2	4	1	4	0.02
Cold with exanthems	2	9	11	9	0.03
Influenza	3,156	13,064	21,850	26,635	64.18
Acute hemorrhagic conjunctivitis		1			
Epidemic keratoconjunctivitis	6	22	14	13	0.34
Bacterial meningitis		2	1	1	0.04
Aseptic meningitis	1	1			
<i>Mycoplasma pneumoniae</i>	4	4	5	1	0.04
Chlamydial pneumonia (excluding psittacosis)					
Infectious gastroenteritis (only by Rotavirus)	2	2	2	6	0.24
Influenza-Associated Hospitalizations	69	162	185	216	8.64

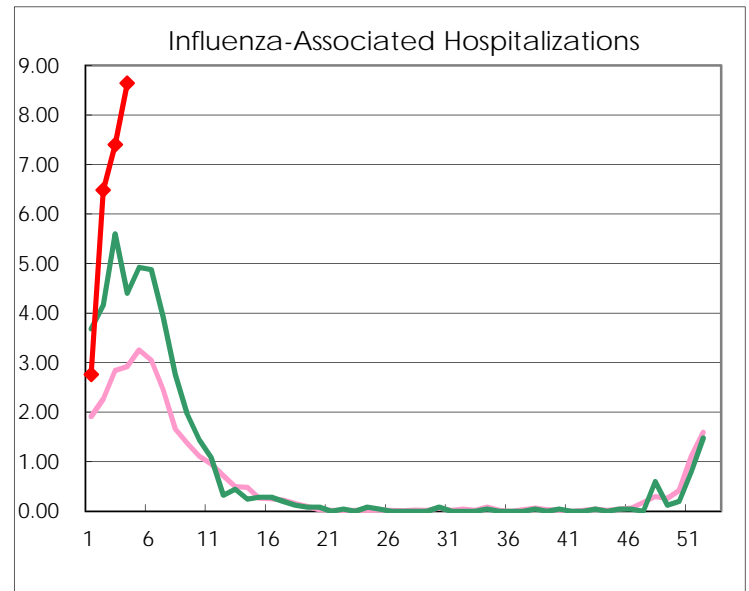
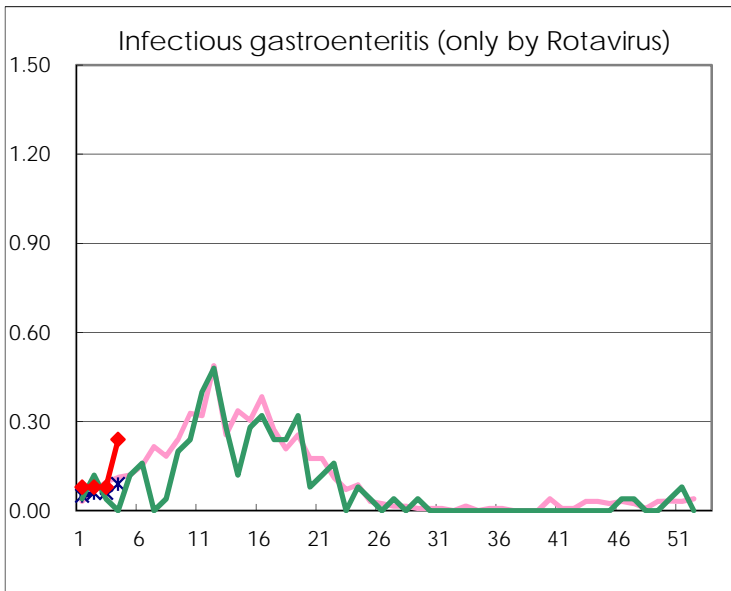
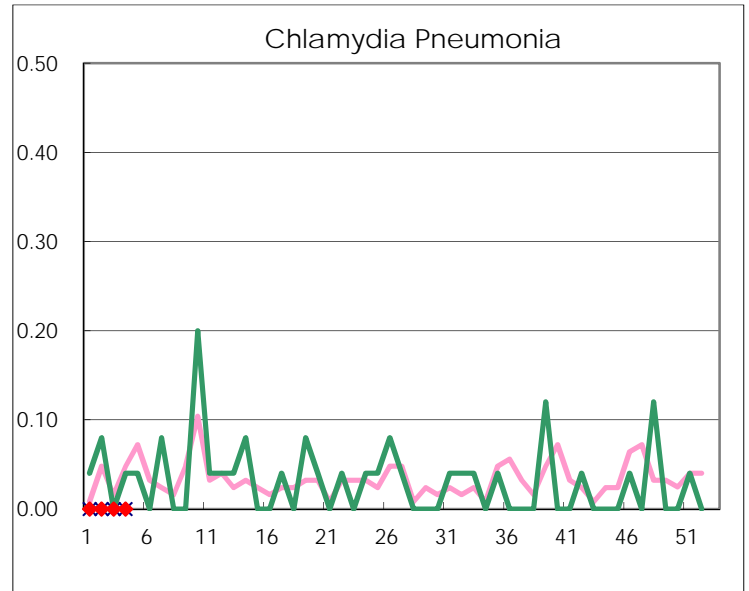
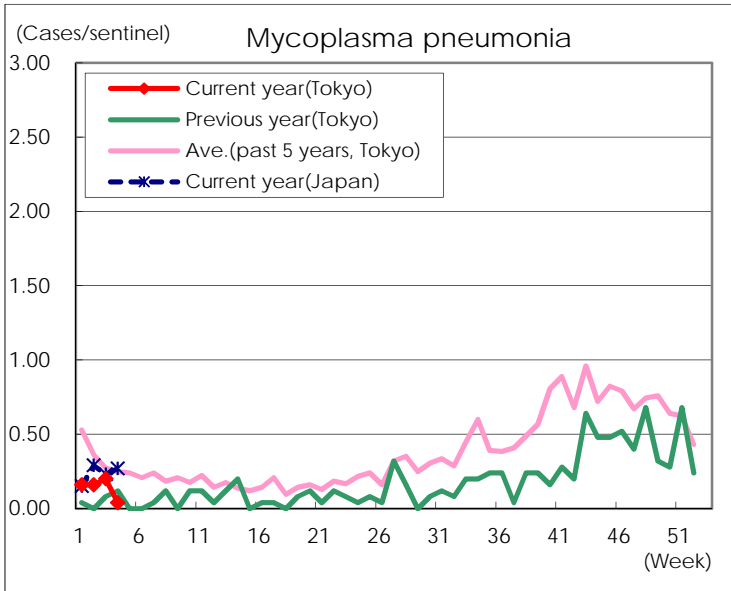
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	262
Influenza	419	415
Ophthalmic	39	38
Specially-designated	25	25