

18 April 2019 / Number 15

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	
		12th	13th	14th	15th	Cum 2019	15th	Cum 2019
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
	Lassa fever							
II	Acute poliomyelitis							
	Tuberculosis	54	63	64	71	834	346	5,692
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
	Avian influenza H7N9							
III	Cholera		1			1		1
	Shigellosis					6		28
	Enterohemorrhagic Escherichia coli infection	1	2	6	2	38	11	287
	Typhoid fever					1	1	10
	Paratyphoid fever				1	2	1	6
IV	Hepatitis E	2	3	1	1	31	6	127
	West Nile fever							
	Hepatitis A	2	1	2	3	23	10	131
	Echinococcosis						1	3
	Yellow fever							
	Psittacosis	1				2		8
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							1
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome						1	8
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							2
	Scrub typhus(Tsutsugamushi disease)						2	44
	Dengue fever	1	2	2	1	29	7	86
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever						2	10
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							1
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							1
	Malaria					2		10
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis	2	2	3	4	38	16	372
	Leptospirosis					1		2
	Rocky mountain spotted fever							

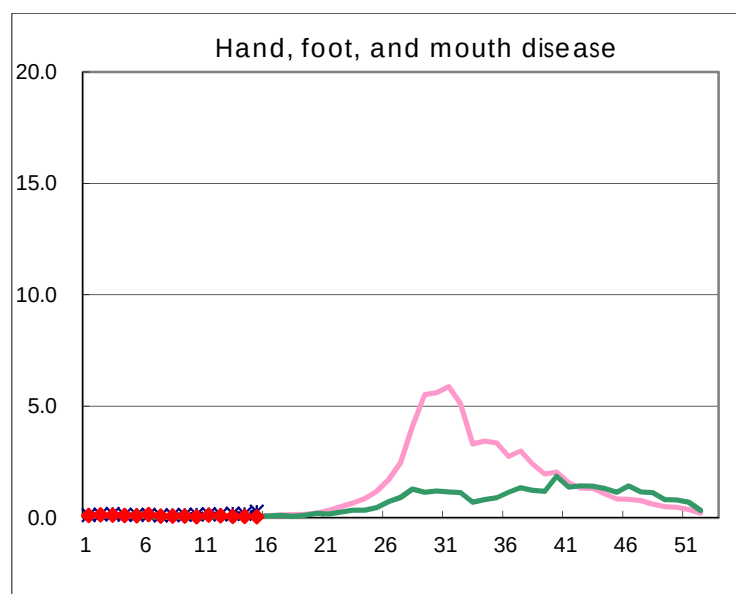
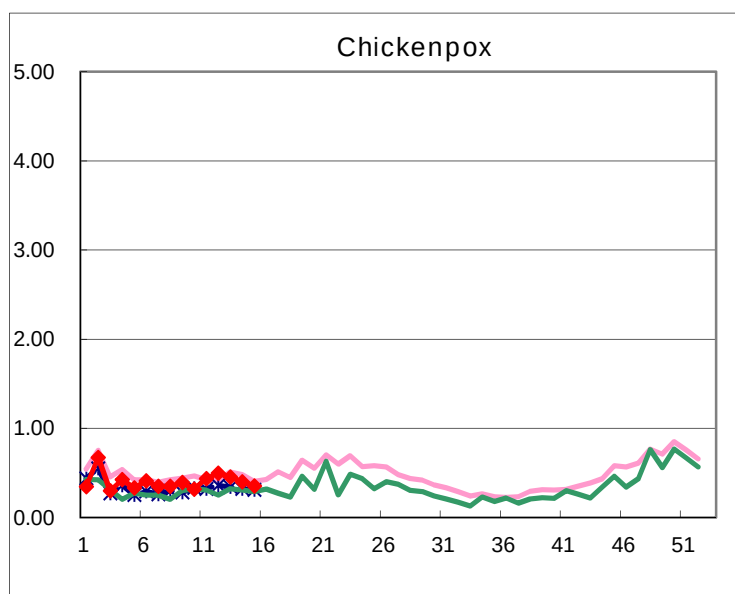
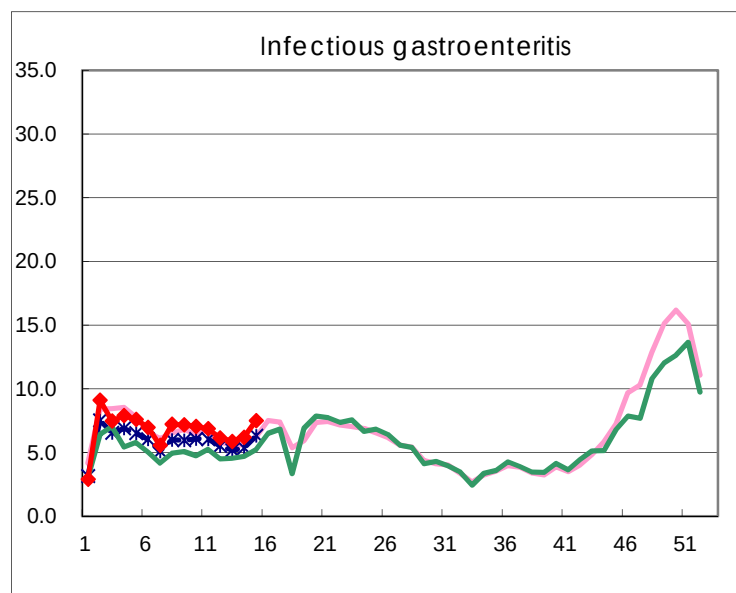
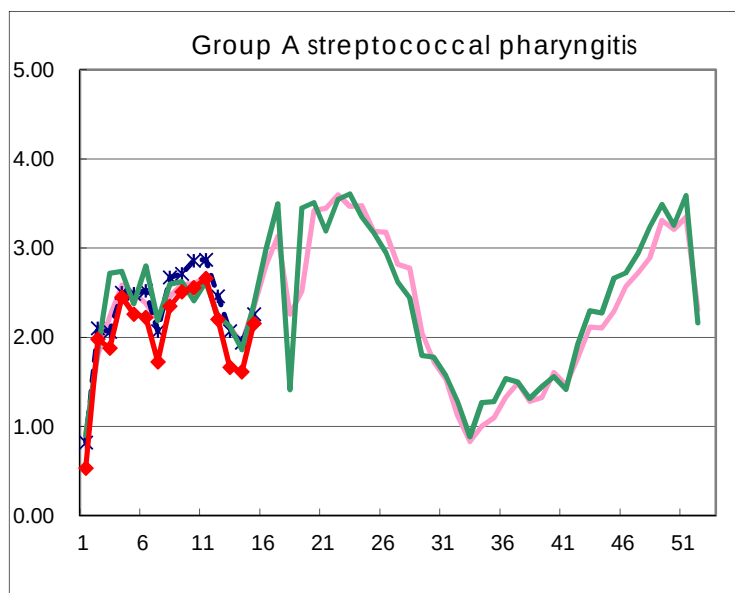
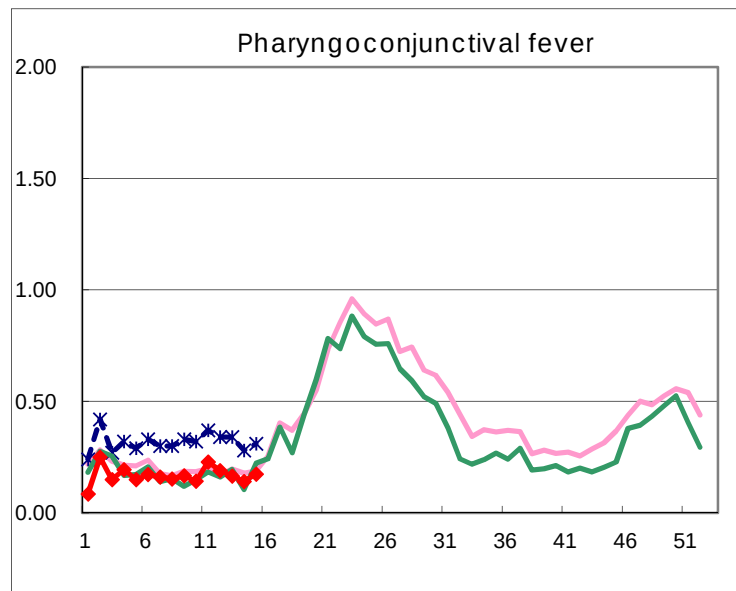
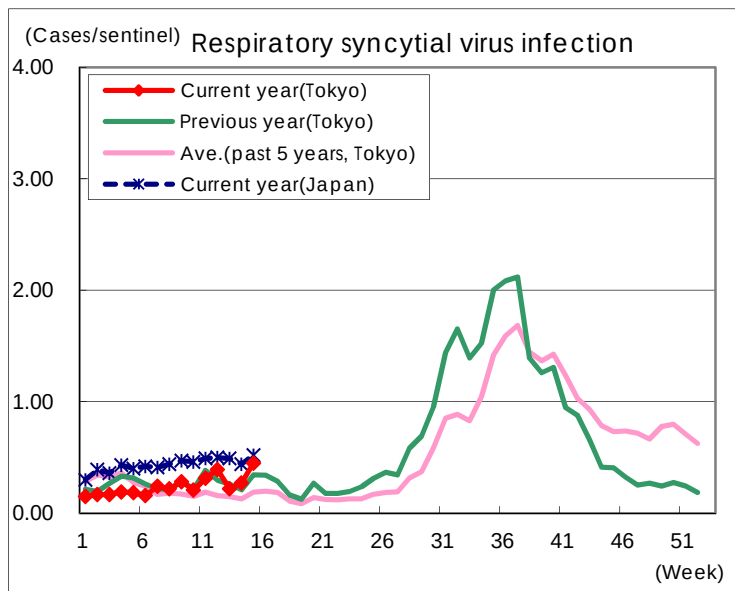
Category	Diseases	Tokyo					Japan	
		12th	13th	14th	15th	Cum 2019	15th	Cum 2019
V	Amebiasis	2	3	3	8	56	11	250
	Viral hepatitis(excluding hepatitis A and E)	3	3			26	1	89
	CRE infection	5	5	4	2	58	22	527
	Acute Flaccid Paralysis (excluding Acute poliomyelitis)	1				1	1	16
	Acute encephalitis(excluding JE and WNE)			1	1	37	4	340
	Cryptosporidiosis					1		4
	Creutzfeldt-Jakob disease			1		8	4	46
	Severe invasive streptococcal infections(TSLS)	2	1		4	30	9	265
	Acquired immunodeficiency syndrome (AIDS)	12	6	12	7	125	17	332
	Giardiasis					3		9
	Invasive <i>Haemophilus influenzae</i> disease	1	1		2	29	5	183
	Invasive meningococcal disease					1	2	16
	Invasive pneumococcal disease	7	5	5	8	131	45	1,088
	Varicella (limited to hospitalized case)	1	2	2		17	1	114
	Congenital rubella syndrome							1
	Syphilis	30	30	28	21	471	70	1,742
	Disseminated cryptococcosis		2		1	6	1	41
	Tetanus		1			1		13
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection			1		2	3	28
	Pertussis	23	42	19	22	543	191	4,604
	Rubella	33	29	29	33	407	64	1,276
	Measles	2	6	2	4	48	21	406
	MDRA infection					2		12

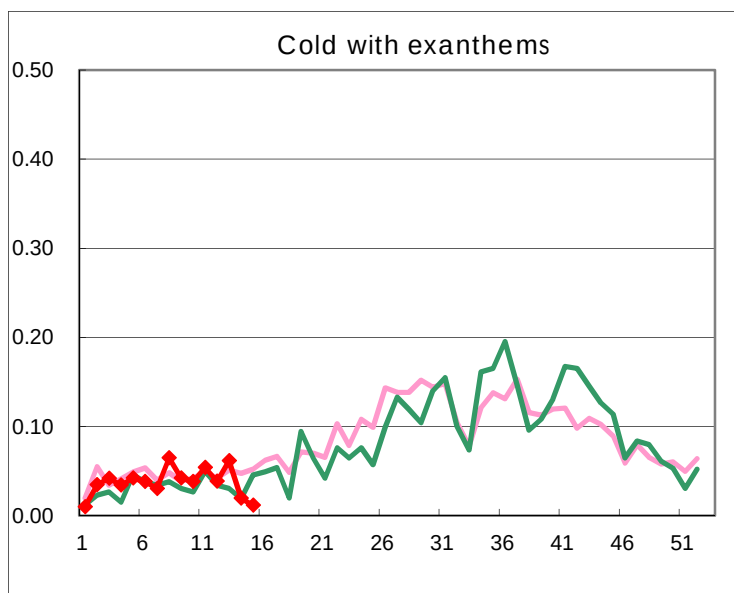
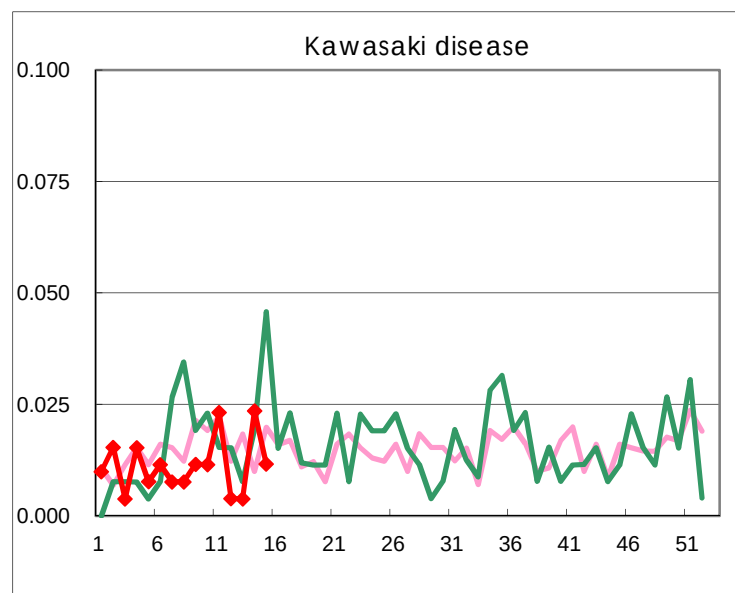
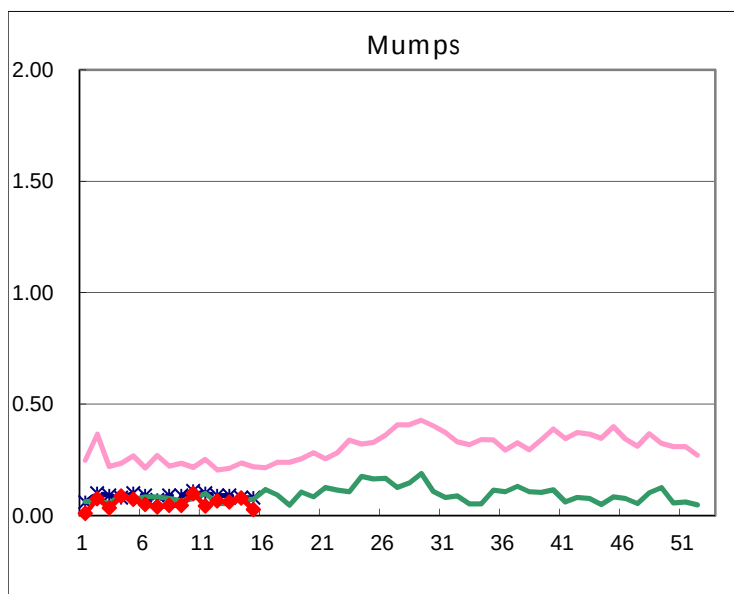
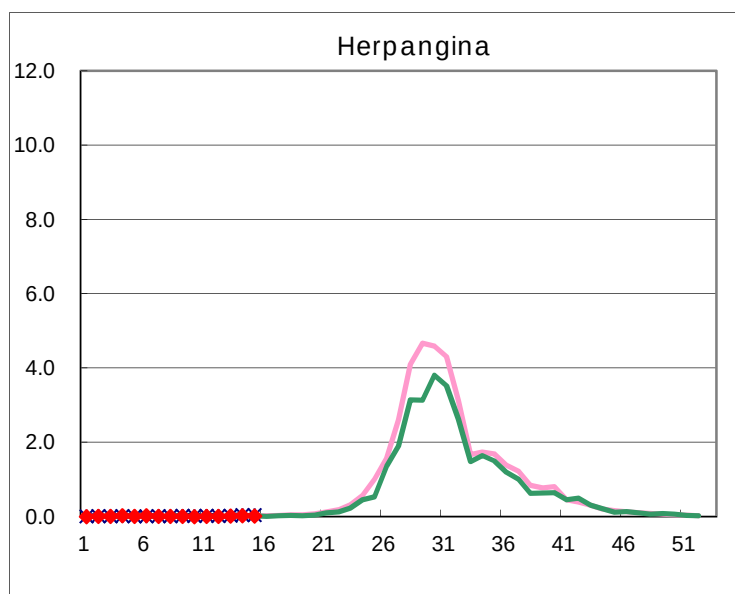
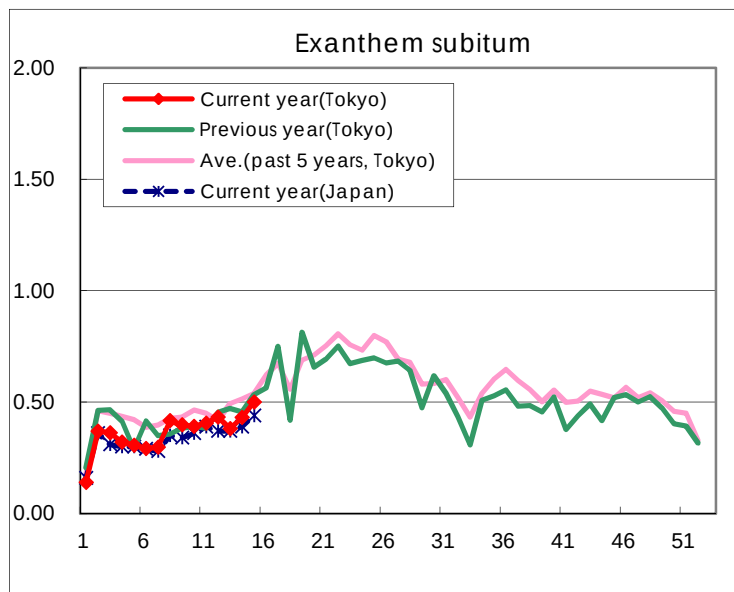
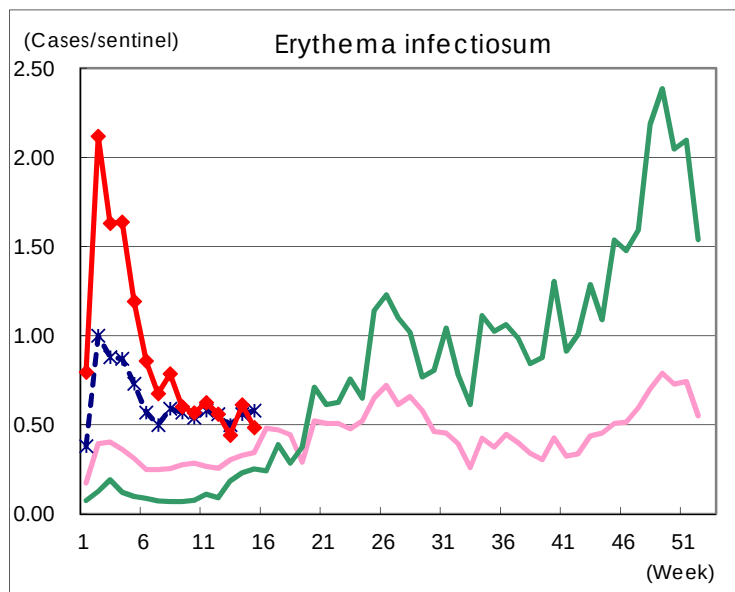
Number of patients with the diseases to be reported
by the designated clinics and hospitals

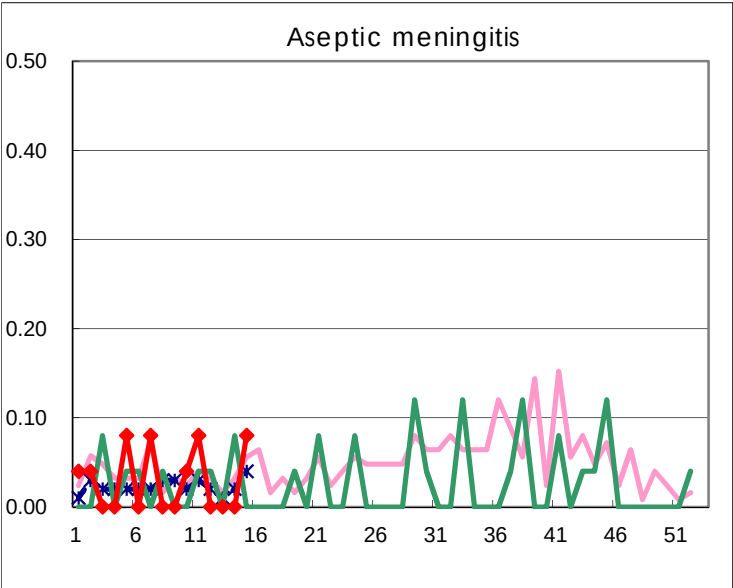
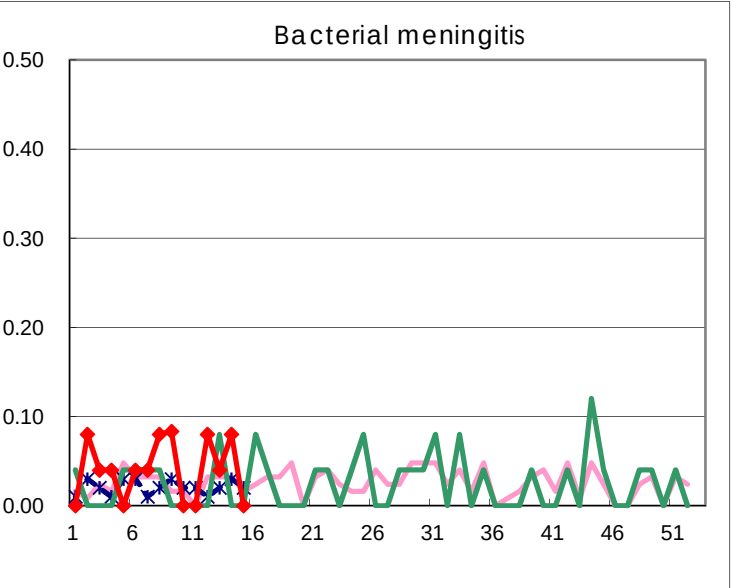
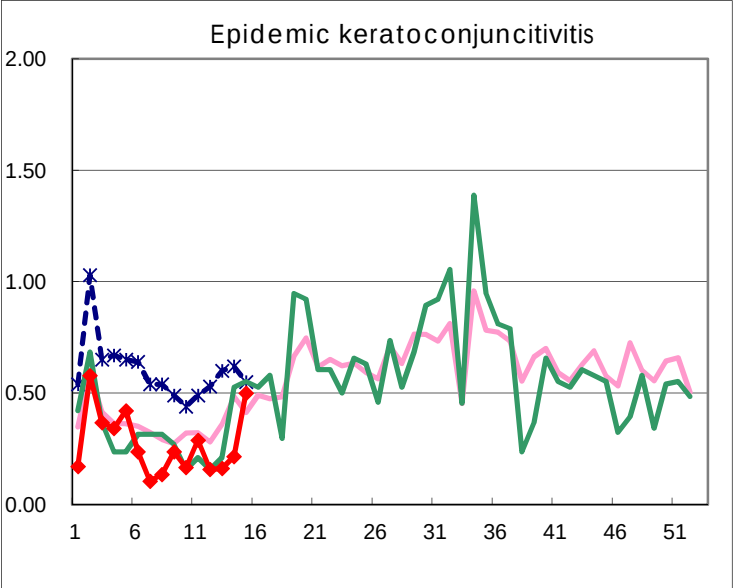
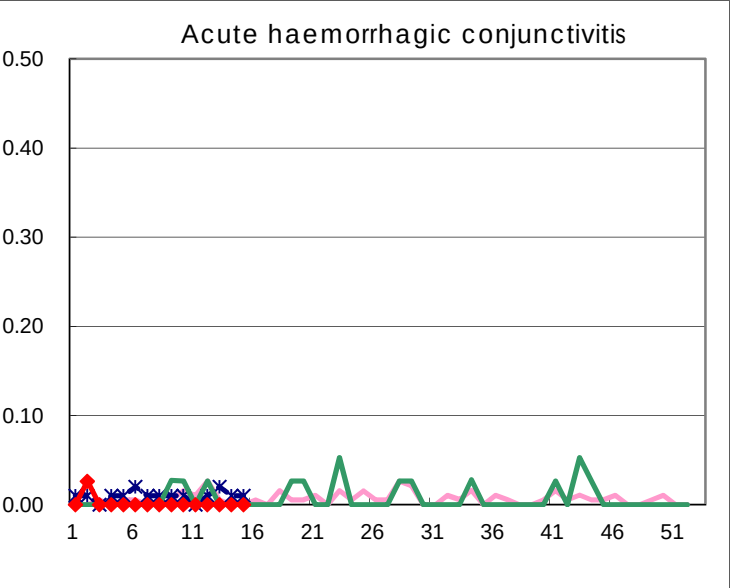
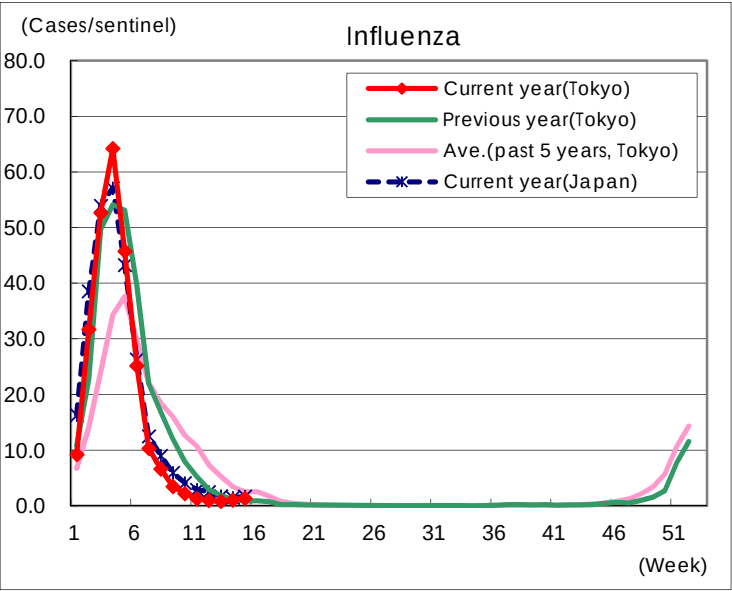
Diseases	Tokyo				
	12th	13th	14th	15th	/sentinel
Respiratory syncytial virus infection	101	57	69	116	0.45
Pharyngoconjunctival fever	49	43	36	45	0.17
Group A streptococcal pharyngitis	570	432	411	556	2.16
Infectious gastroenteritis	1,591	1,526	1,578	1,932	7.49
Chickenpox	128	118	102	91	0.35
Hand, foot, and mouth disease	22	16	15	12	0.05
Erythema infectiosum	145	115	156	125	0.48
Exanthem subitum	112	99	110	129	0.50
Herpangina	2	4	6	5	0.02
Mumps	17	16	20	7	0.03
Kawasaki disease	1	1	6	3	0.01
Cold with exanthems	10	16	5	3	0.01
Influenza	406	345	439	554	1.35
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	6	6	8	19	0.50
Bacterial meningitis	2	1	2		
Aseptic meningitis				2	0.08
<i>Mycoplasma pneumoniae</i>		3		1	0.04
<i>Chlamydial pneumonia</i> (excluding psittacosis)	2	2	3	1	0.04
Infectious gastroenteritis (only by Rotavirus)	7	6	11	10	0.40
Influenza-Associated Hospitalizations	8	10	8	4	0.16

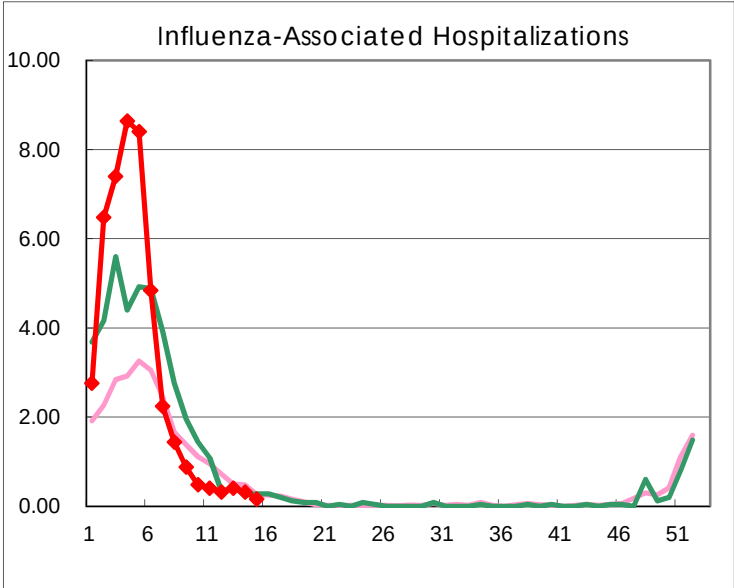
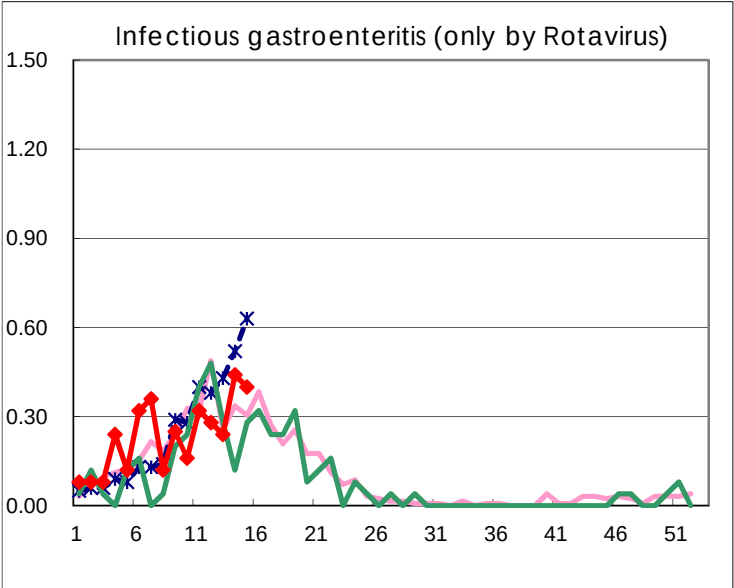
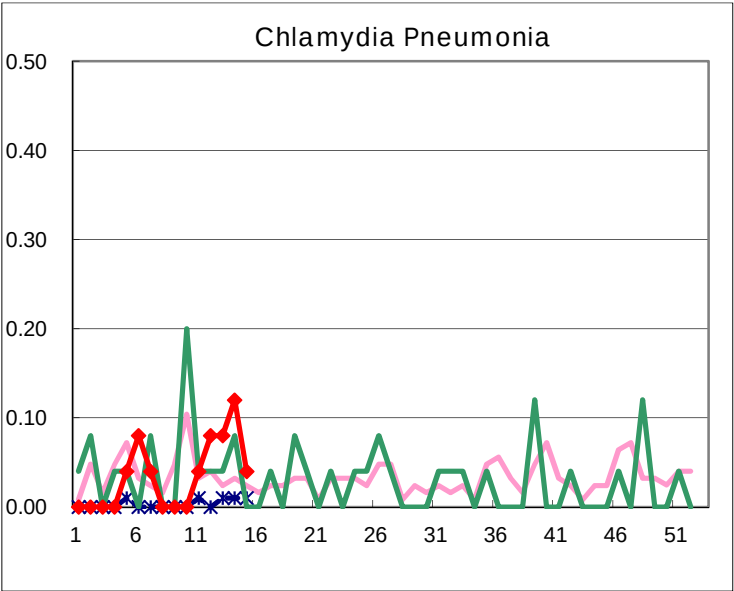
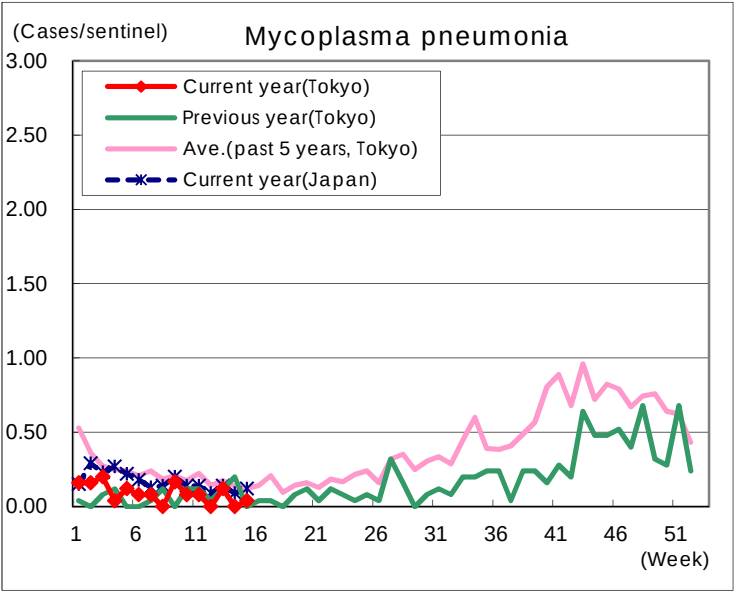
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	258
Influenza	419	411
Ophthalmic	39	38
Specially- designated	25	25