

19 May 2016 / Number 19

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	
		16th	17th	18th	19th	Cum 2016	19th	Cum 2016
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	71	76	38	65	1,266	396	8,105
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
III	Avian influenza H5N1							
	Avian influenza H7N9							
	Cholera							1
	Shigellosis	2	2			15	1	45
	Enterohemorrhagic Escherichia coli infection	6	3	5	1	38	30	280
	Typhoid fever					9		17
IV	Paratyphoid fever	1				4	2	8
	Hepatitis E		1		2	19	6	166
	West Nile fever							
	Hepatitis A	2	1	1	4	37	7	138
	Echinococcosis							3
	Yellow fever							
	Psittacosis							1
	Omsk hemorrhagic fever							
	Relapsing fever							1
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis			1		1		1
	Monkeypox							
	Zika virus infection							5
	Severe Fever with Thrombocytopenia Syndrome						3	9
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever					2		2
	Scrub typhus(Tsutsugamushi disease)						4	58
	Dengue fever		3	2	2	37	9	128
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever						5	27
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism	1				1		1
	Malaria	1				6	1	16
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis		4		2	34	23	379
	Leptospirosis							3
	Rocky mountain spotted fever							

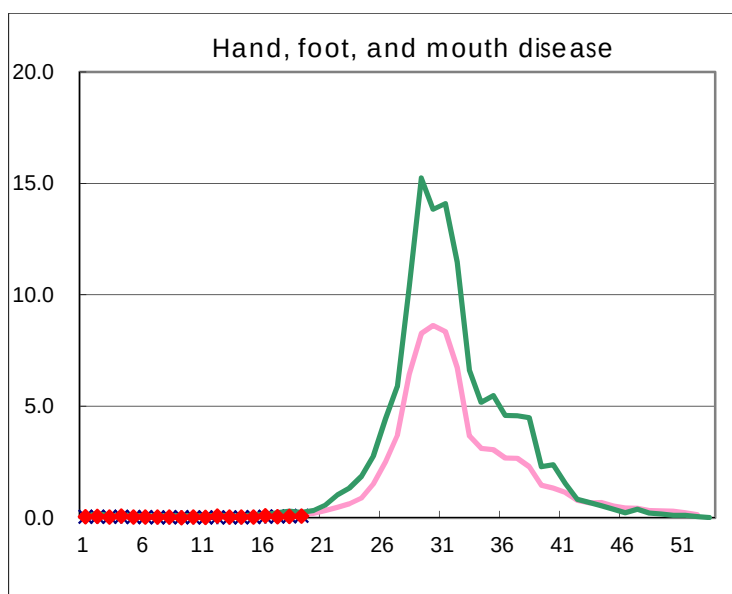
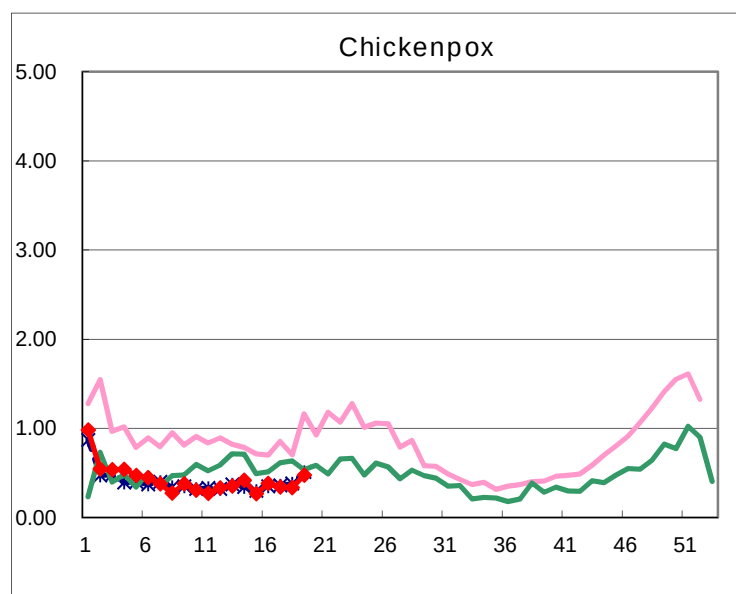
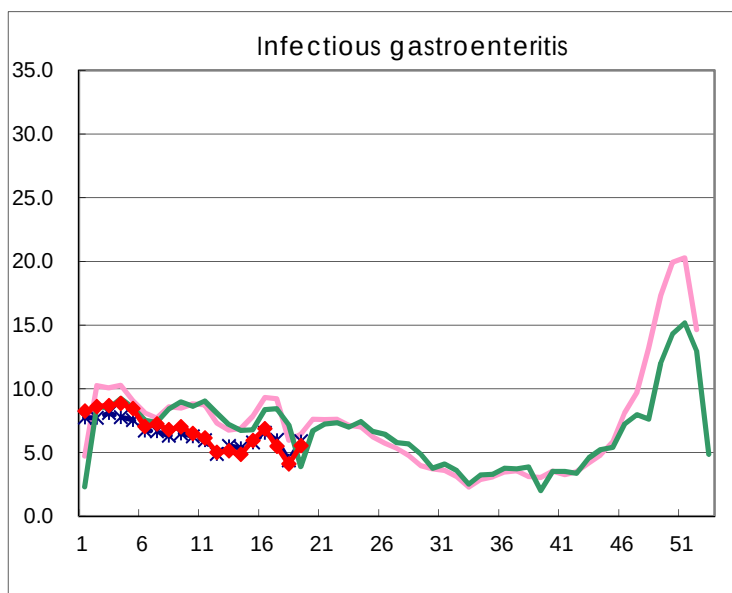
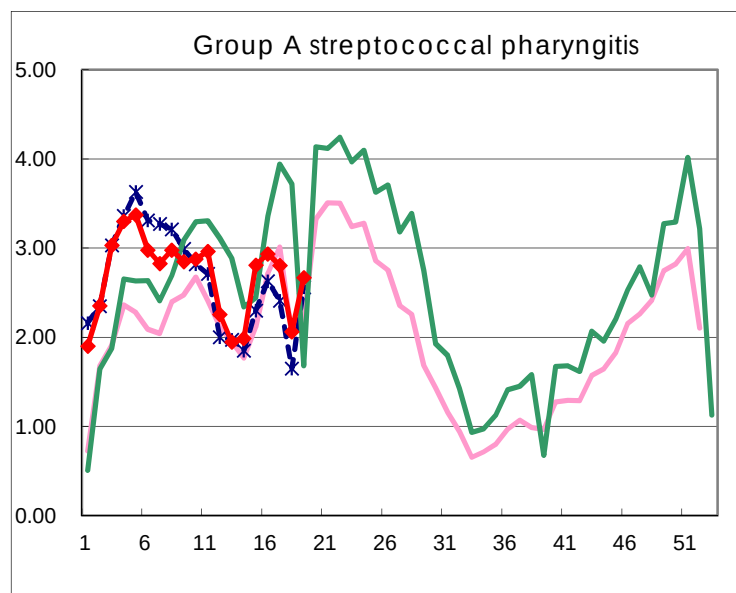
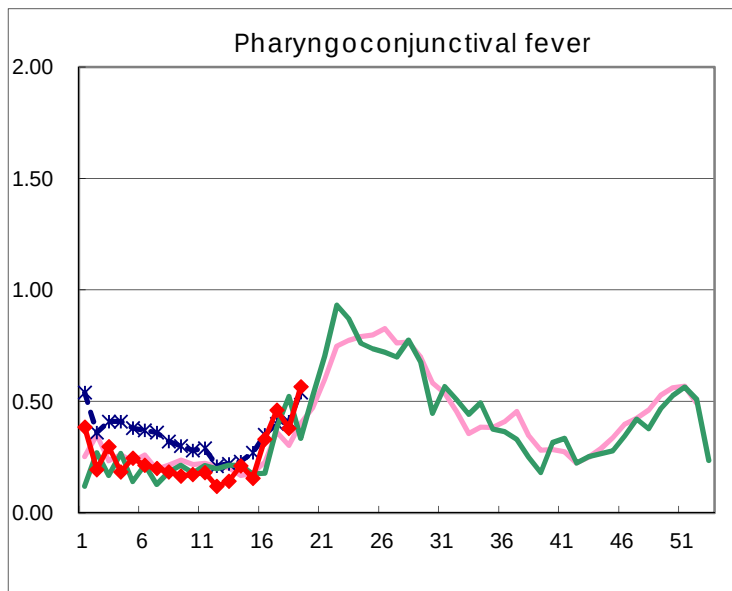
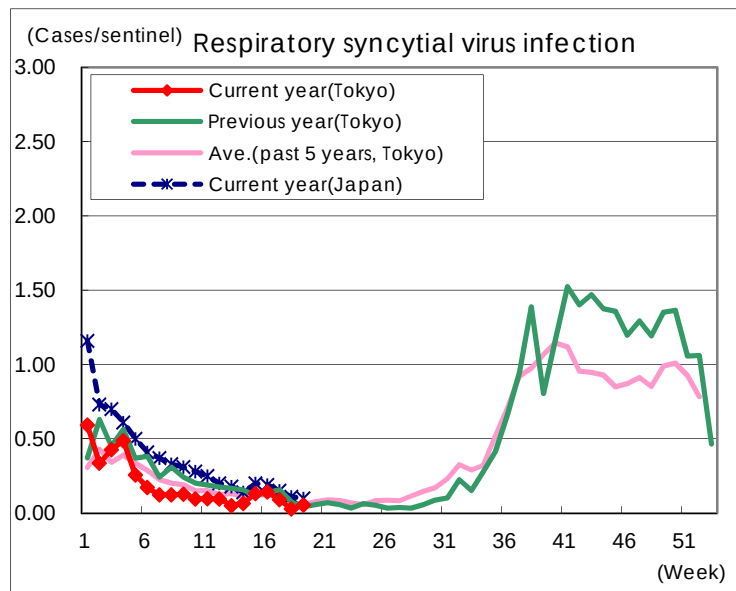
Category	Diseases	Tokyo					Japan	
		16th	17th	18th	19th	Cum 2016	19th	Cum 2016
V	Amebiasis	3	6	6	3	82	15	427
	Viral hepatitis(excluding hepatitis A and E)	2			4	20	3	85
	CRE infection	3	1	4	3	70	14	475
	Acute encephalitis(excluding JE and WNE)	1	1		1	49	7	382
	Cryptosporidiosis						1	5
	Creutzfeldt-Jakob disease		2			9	1	68
	Severe invasive streptococcal infections(TSLS)	2	1			27	4	193
	Acquired immunodeficiency syndrome (AIDS)	12	11	3	7	173	13	510
	Giardiasis					6		23
	Invasive <i>Haemophilus influenzae</i> disease	1	1			16	4	126
	Invasive meningococcal disease					1	1	20
	Invasive pneumococcal disease	9	10	7	12	165	65	1,214
	Varicella (limited to hospitalized case)	1	1	2		17	3	96
	Congenital rubella syndrome							
	Syphilis	42	26	13	48	590	84	1,336
	Disseminated cryptococcosis	1				9		44
	Tetanus	1	1			2	3	35
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						1	13
	Rubella	3			1	9	3	41
	Measles				2	3	3	8
	MDRA infection							14

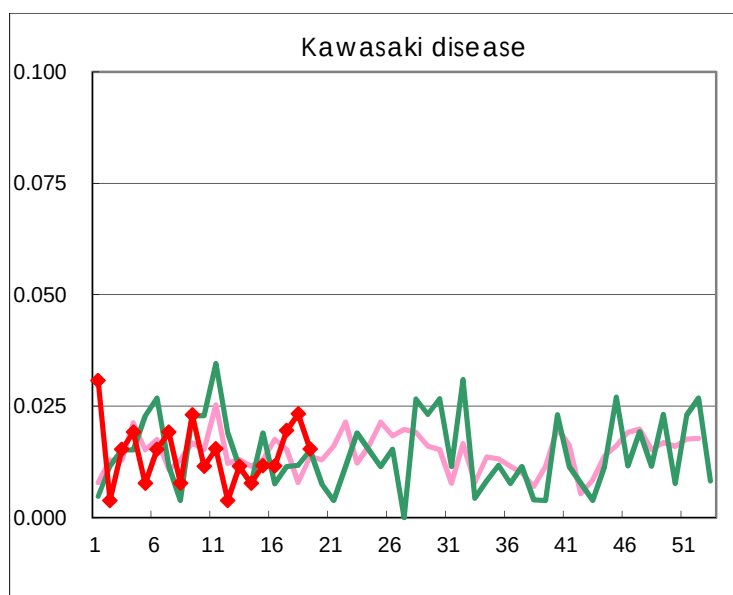
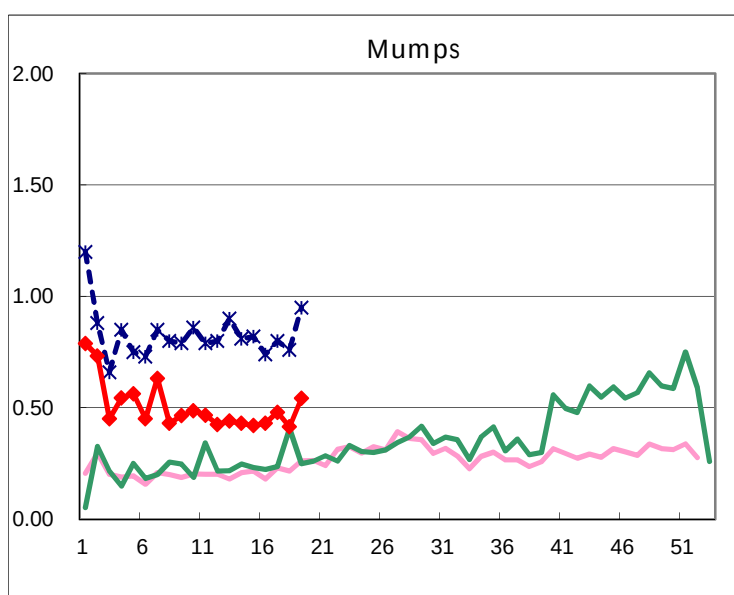
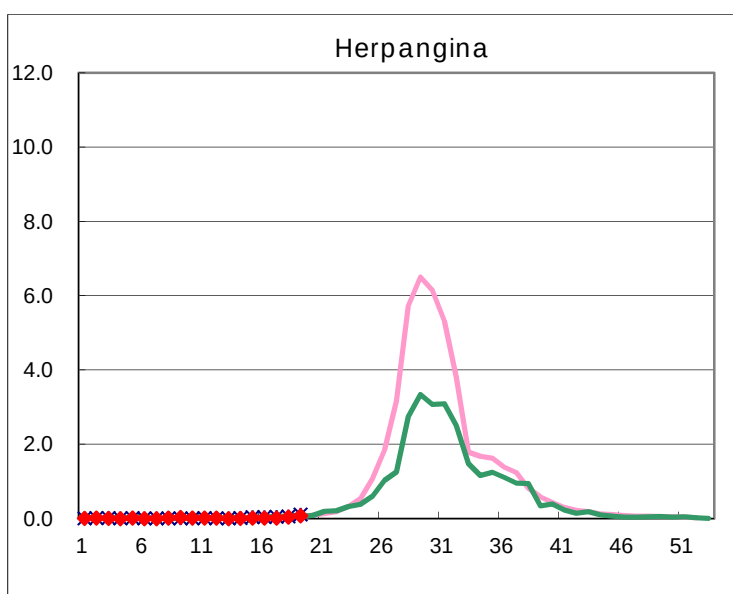
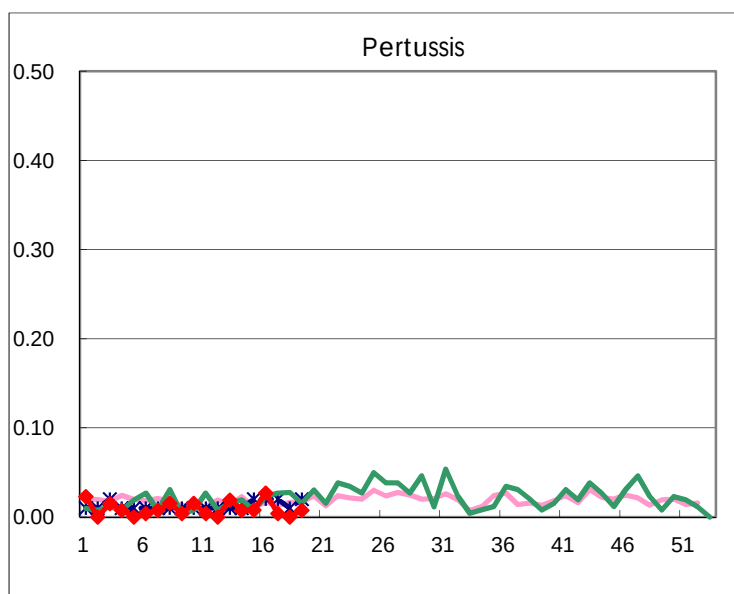
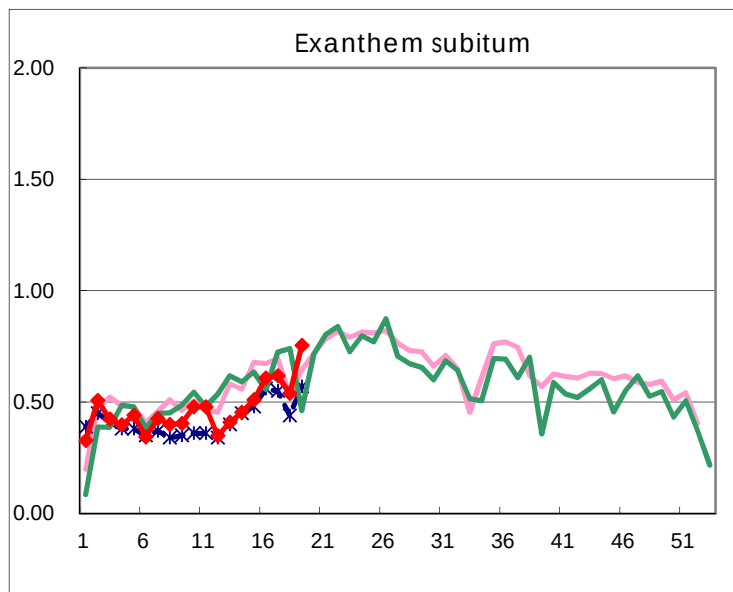
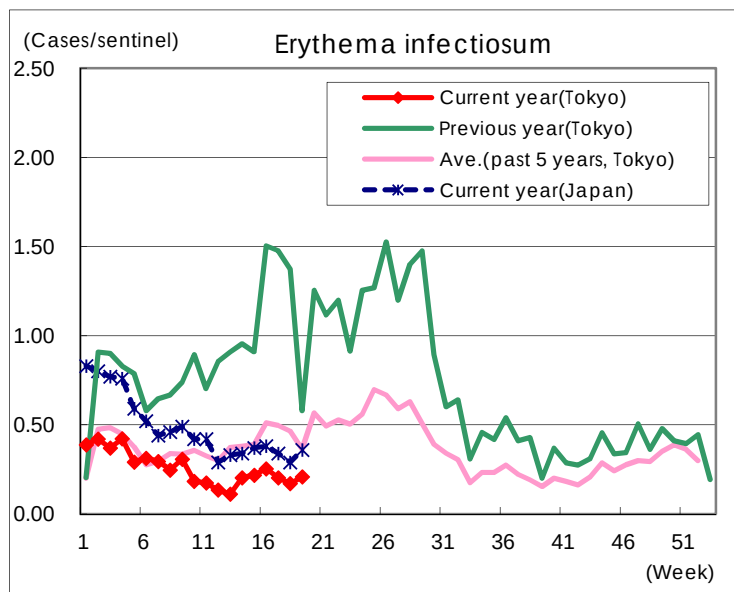
Number of patients with the diseases to be reported
by the designated clinics and hospitals

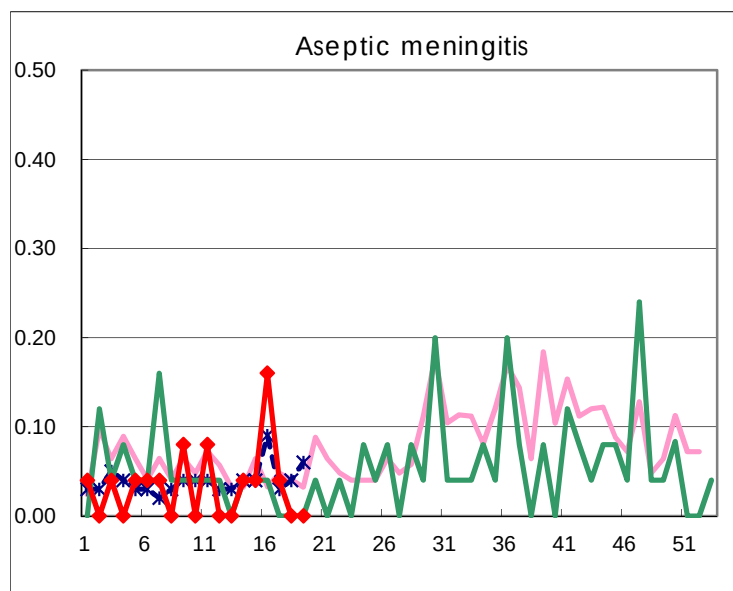
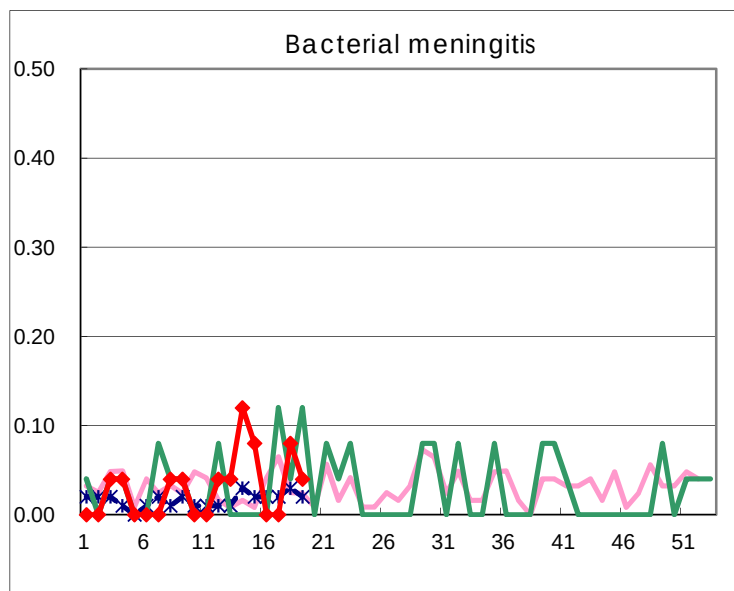
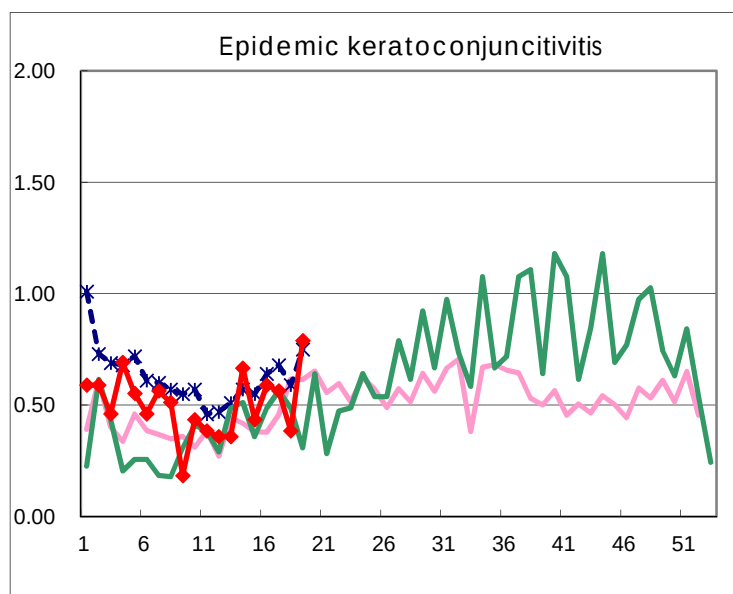
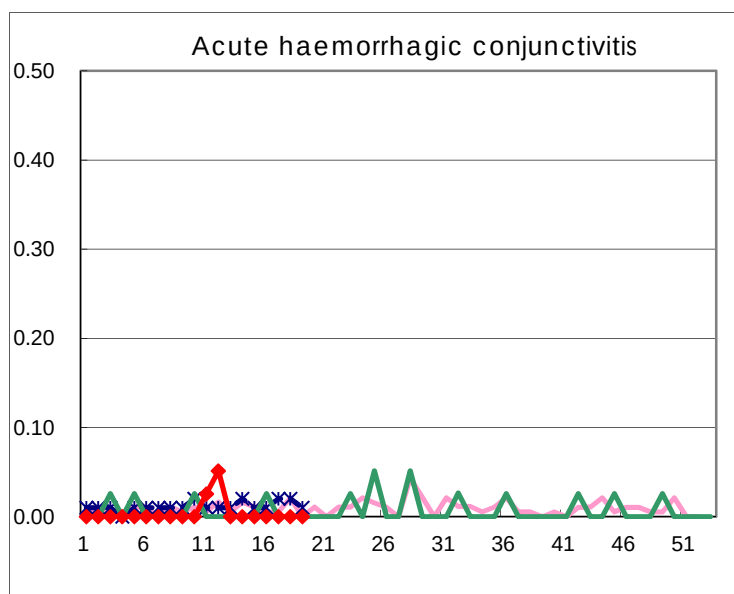
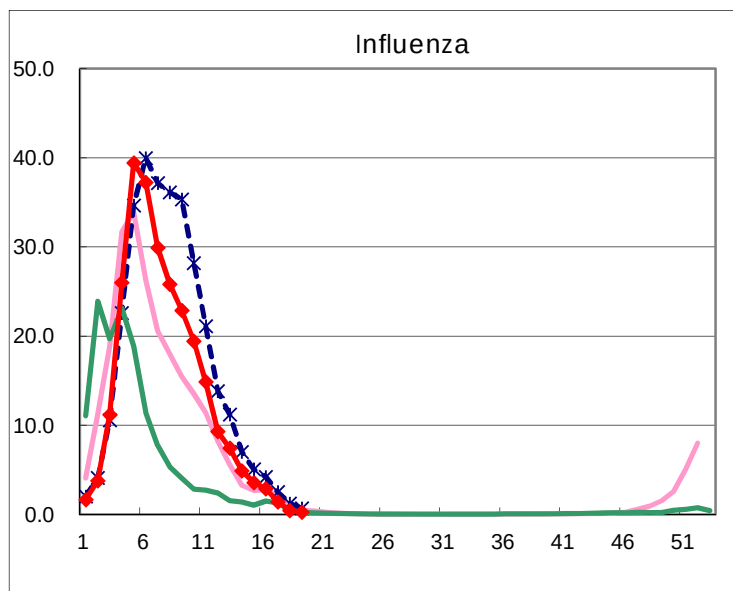
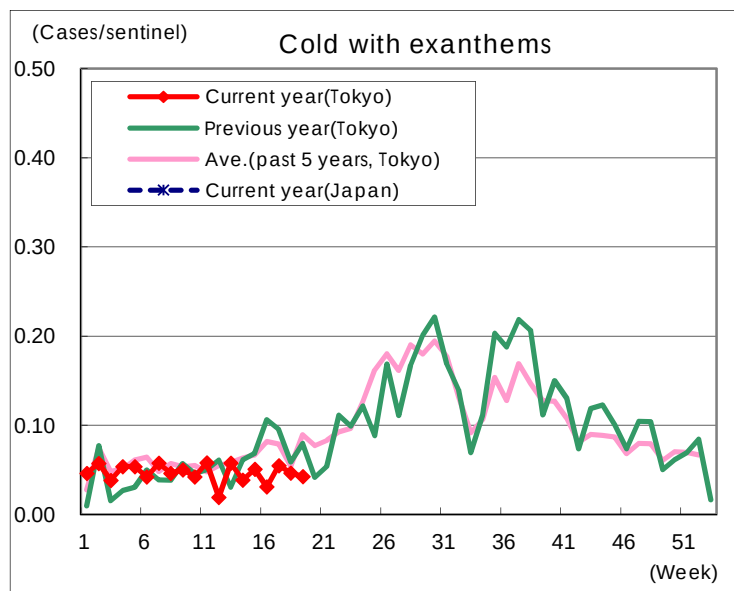
Diseases	Tokyo				
	16th	17th	18th	19th	/sentinel
Respiratory syncytial virus infection	37	23	7	14	0.05
Pharyngoconjunctival fever	86	118	98	147	0.57
Group A streptococcal pharyngitis	763	718	532	694	2.67
Infectious gastroenteritis	1,782	1,403	1,057	1,439	5.53
Chickenpox	99	87	86	123	0.47
Hand, foot, and mouth disease	22	11	14	19	0.07
Erythema infectiosum	66	52	44	54	0.21
Exanthem subitum	158	158	139	196	0.75
Pertussis	7	1		2	0.01
Herpangina	4	5	11	20	0.08
Mumps	112	123	107	141	0.54
Kawasaki disease	3	5	6	4	0.02
Cold with exanthems	8	14	12	11	0.04
Influenza	1,186	581	176	99	0.24
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	23	22	15	30	0.79
Bacterial meningitis			2	1	0.04
Aseptic meningitis	4	1			
Mycoplasma pneumonia	3	10	3	7	0.28
Chlamydial pneumonia (excluding psittacosis)		1		1	0.04
Infectious gastroenteritis (only by Rotavirus)	7	9	2		
Influenza-Associated Hospitalizations	8	5	4	2	0.08

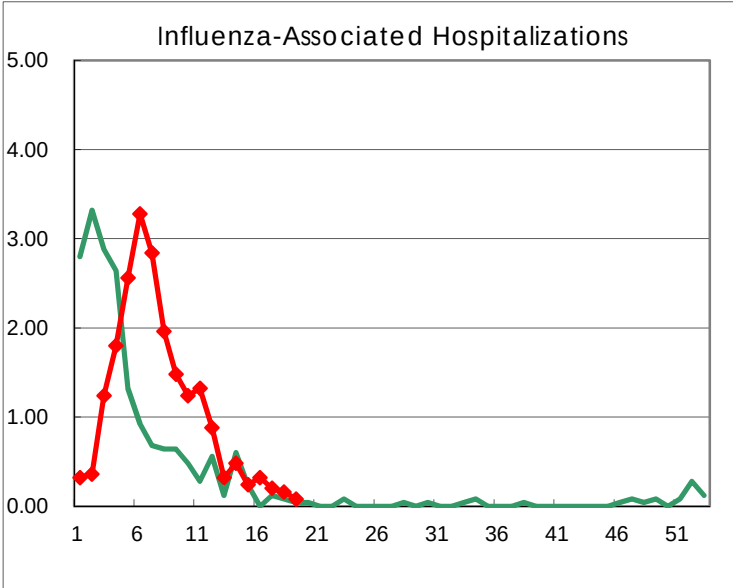
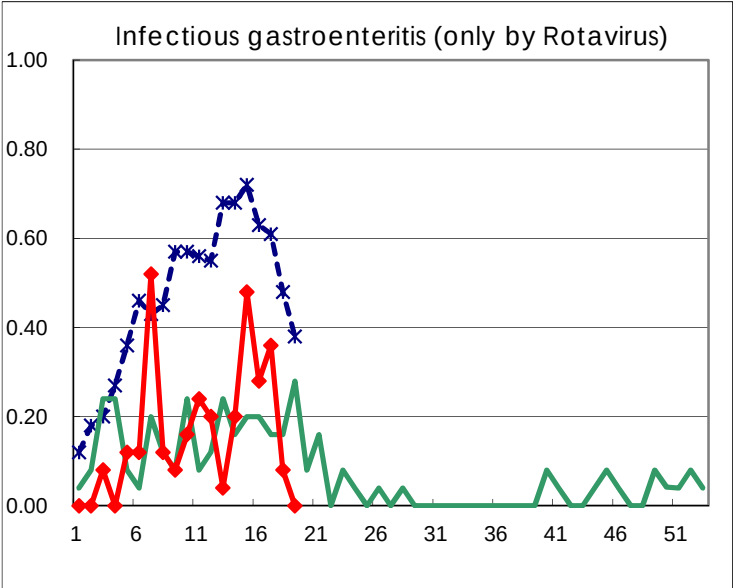
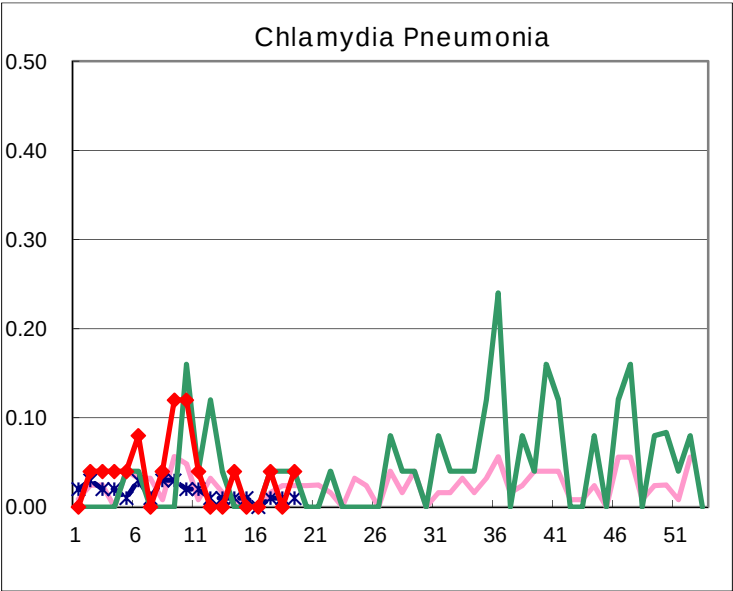
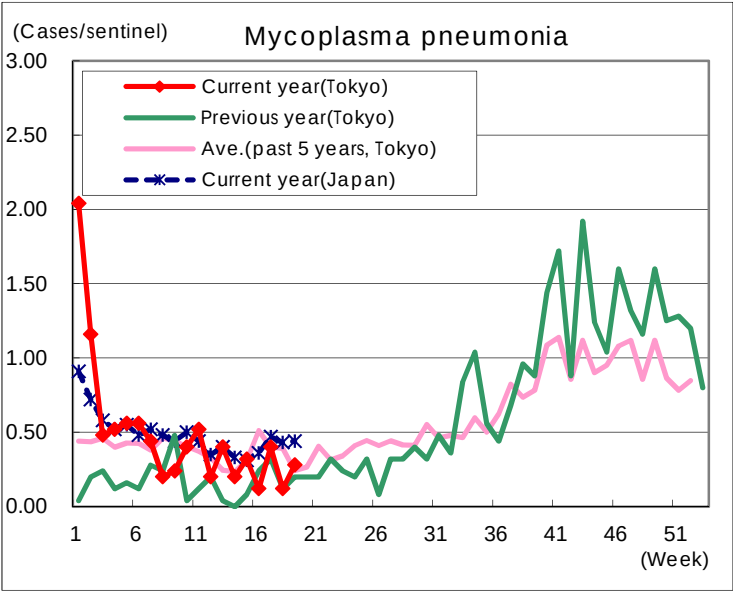
(Blank means 0.)

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	260
Influenza	419	412
Ophthalmic	39	38
Specially-designated	25	25