

10 March 2016 / Number 9

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	
		6th	7th	8th	9th	Cum 2016	9th	Cum 2016
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	54	70	67	60	574	316	3,602
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
III	Avian influenza H5N1							
	Avian influenza H7N9							
	Cholera							
	Shigellosis	2			3	7	5	30
	Enterohemorrhagic Escherichia coli infection		2	1	2	13	10	120
	Typhoid fever		1			5		8
IV	Paratyphoid fever					2		2
	Hepatitis E	3		1	1	11	9	73
	West Nile fever							
	Hepatitis A		2	2	1	8	4	50
	Echinococcosis						1	3
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							1
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection							1
	Severe Fever with Thrombocytopenia Syndrome							2
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever				1	1	1	1
	Scrub typhus(Tsutsugamushi disease)						3	34
	Dengue fever	1		1	1	13	6	44
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							3
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
	Malaria			1		1		3
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis	3	3	1	1	17	23	192
	Leptospirosis							3
	Rocky mountain spotted fever							

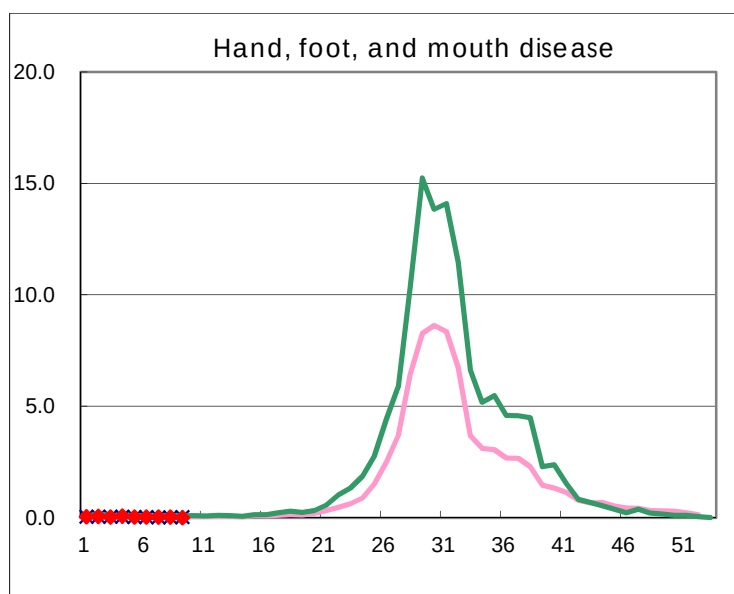
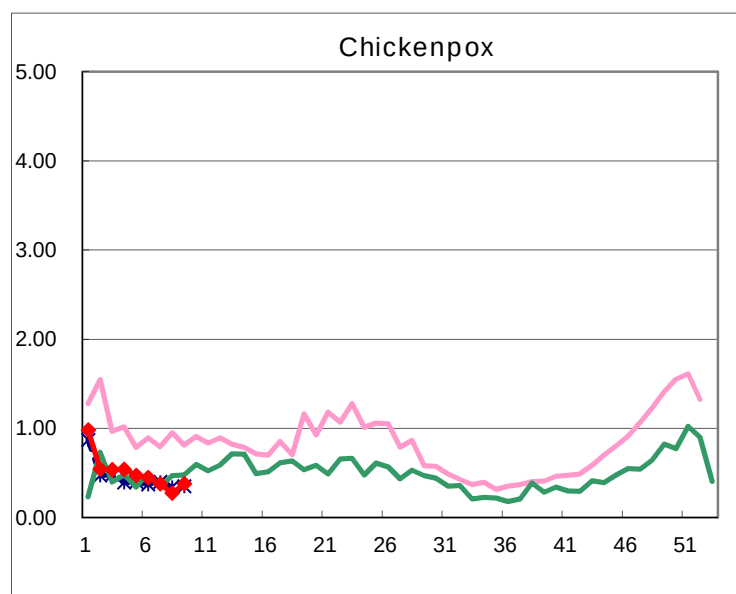
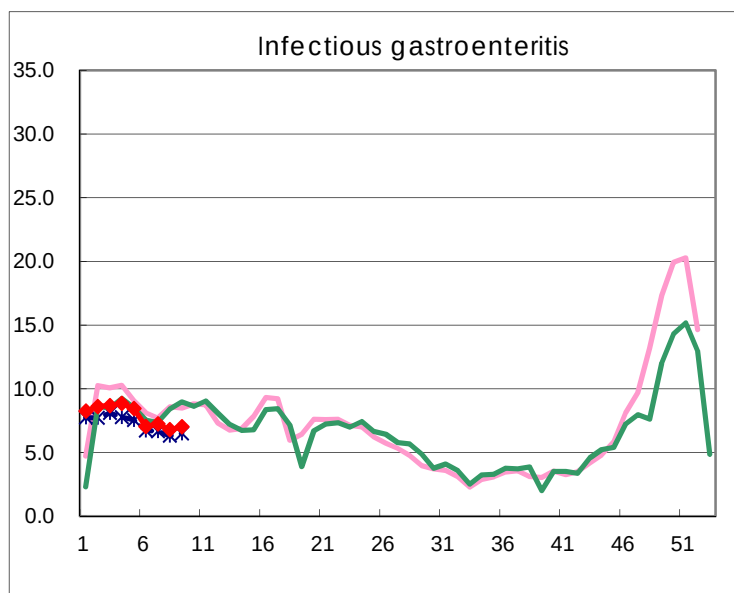
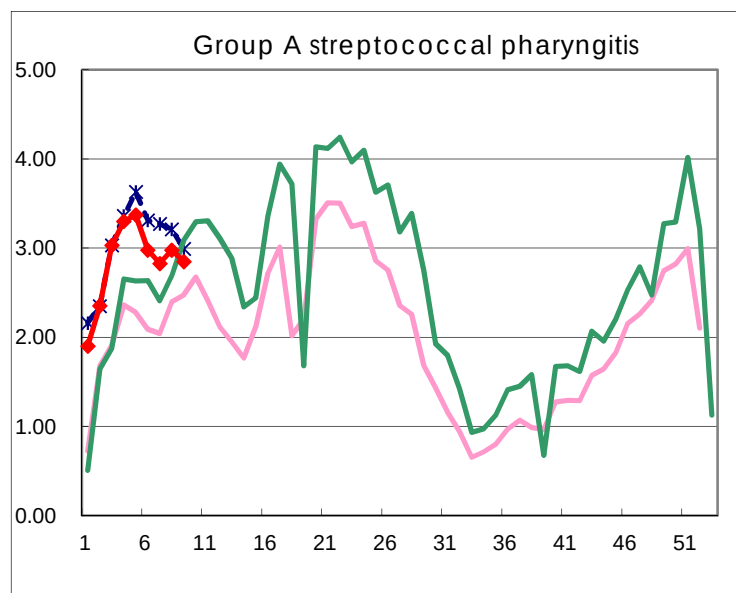
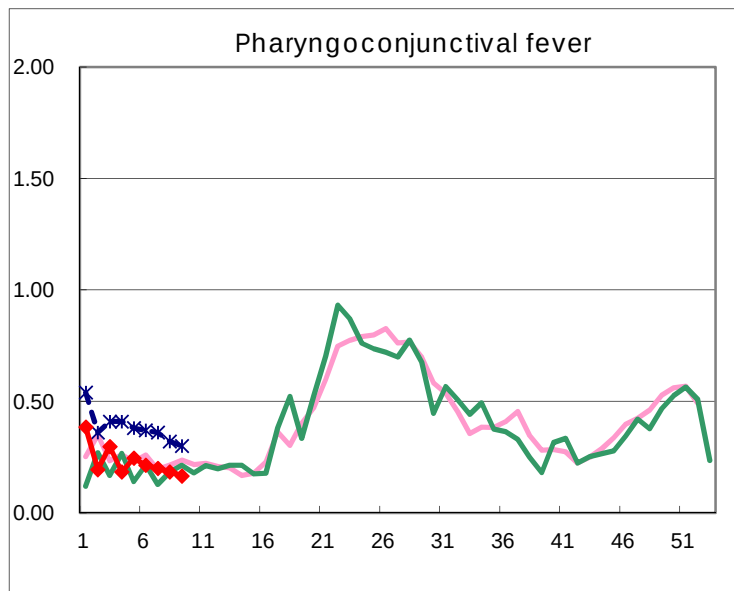
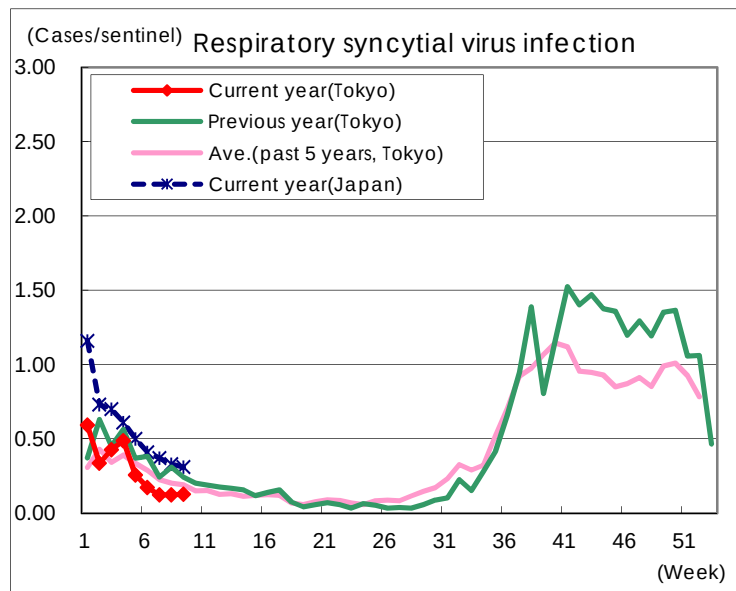
Category	Diseases	Tokyo					Japan	
		6th	7th	8th	9th	Cum 2016	9th	Cum 2016
V	Amebiasis	1	2	5	2	35	6	206
	Viral hepatitis(excluding hepatitis A and E)	1	2	3		11	5	42
	CRE infection	4	1	5	5	41	13	241
	Acute encephalitis(excluding JE and WNE)	4	1	7	6	39	15	219
	Cryptosporidiosis						1	1
	Creutzfeldt-Jakob disease				1	5	3	38
	Severe invasive streptococcal infections(TSLS)	1	2		1	18	5	98
	Acquired immunodeficiency syndrome (AIDS)	12	11	8	6	78	15	234
	Giardiasis					2		9
	Invasive <i>Haemophilus influenzae</i> disease	1	1			6	5	54
	Invasive meningococcal disease						2	9
	Invasive pneumococcal disease	3	11	8	7	73	48	557
	Varicella (limited to hospitalized case)					8	4	42
	Congenital rubella syndrome							
	Syphilis	26	31	27	27	272	55	581
	Disseminated cryptococcosis				1	2		21
	Tetanus						3	11
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection							5
	Rubella				3	3	2	16
	Measles							2
	MDRA infection							6

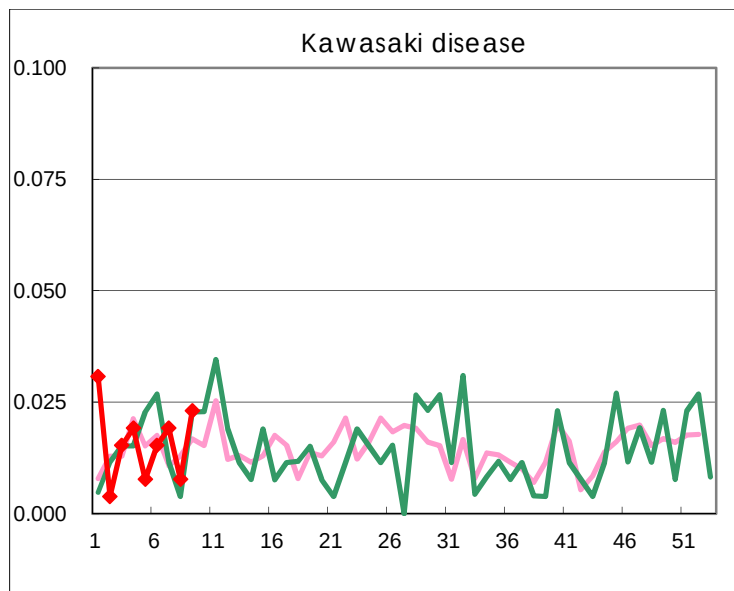
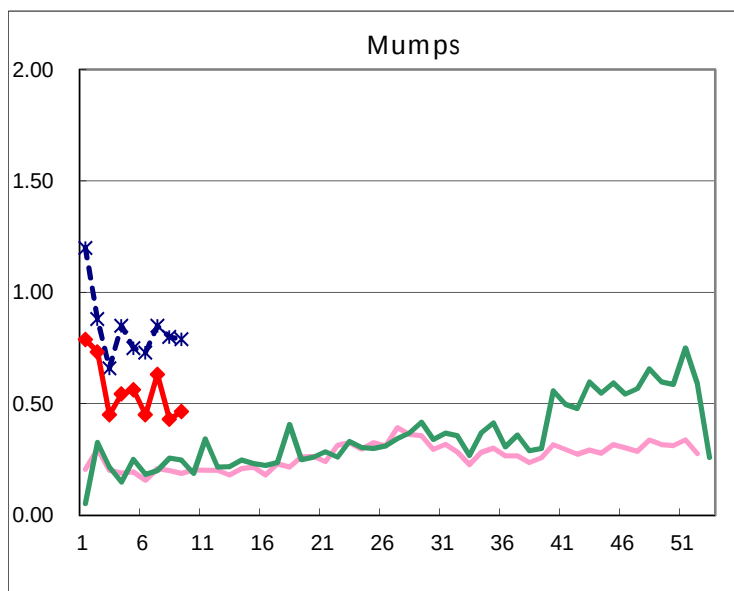
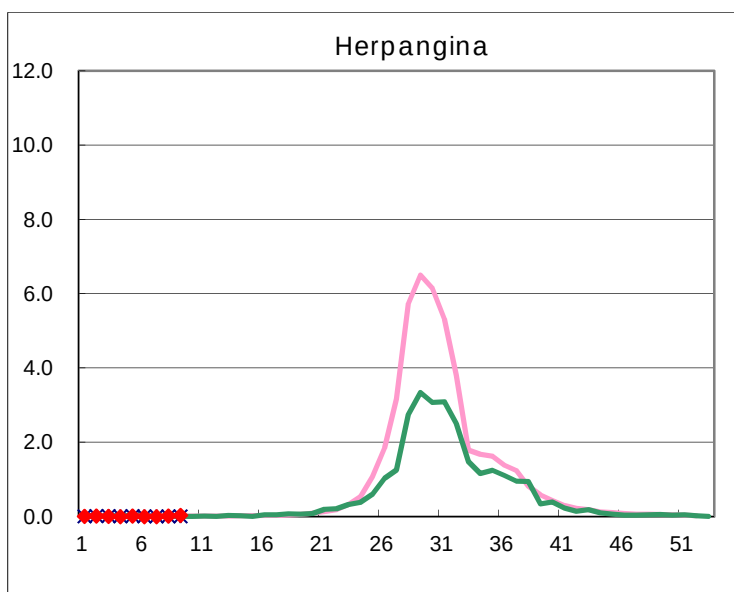
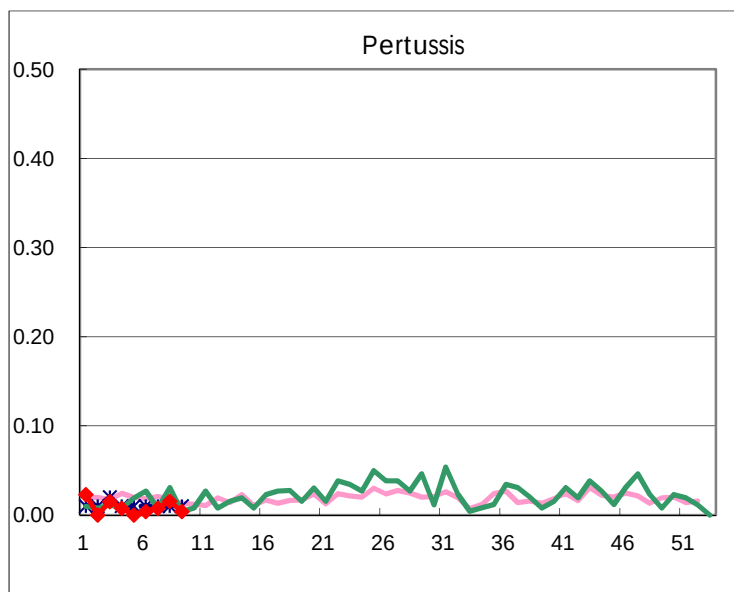
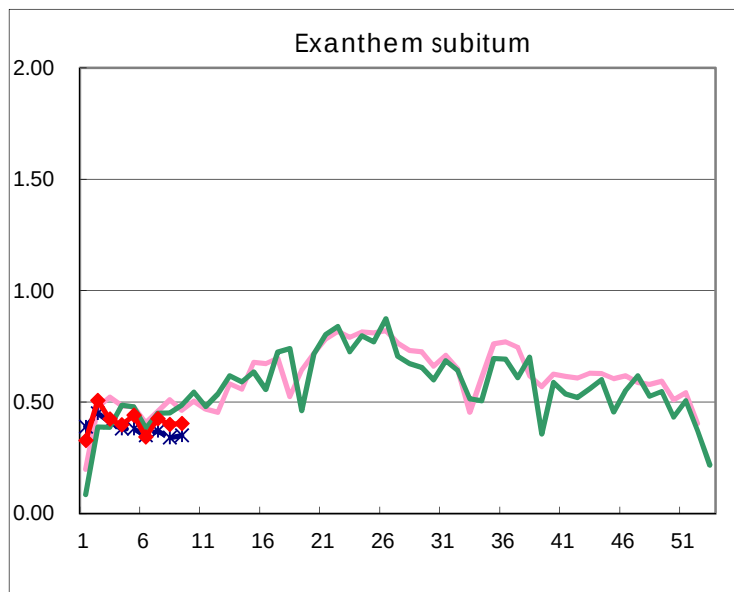
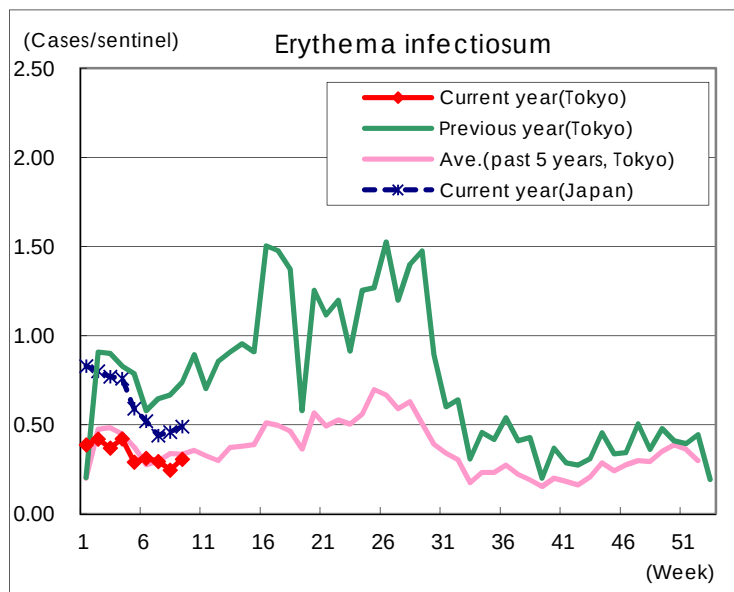
Number of patients with the diseases to be reported
by the designated clinics and hospitals

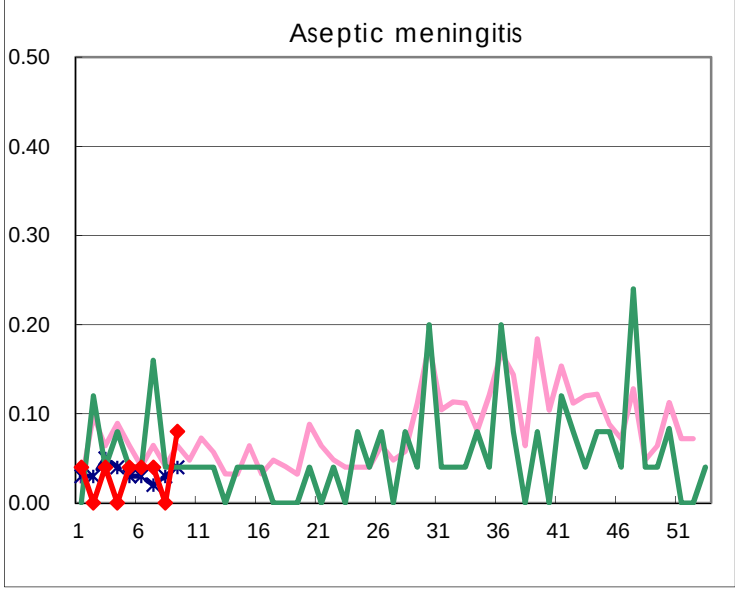
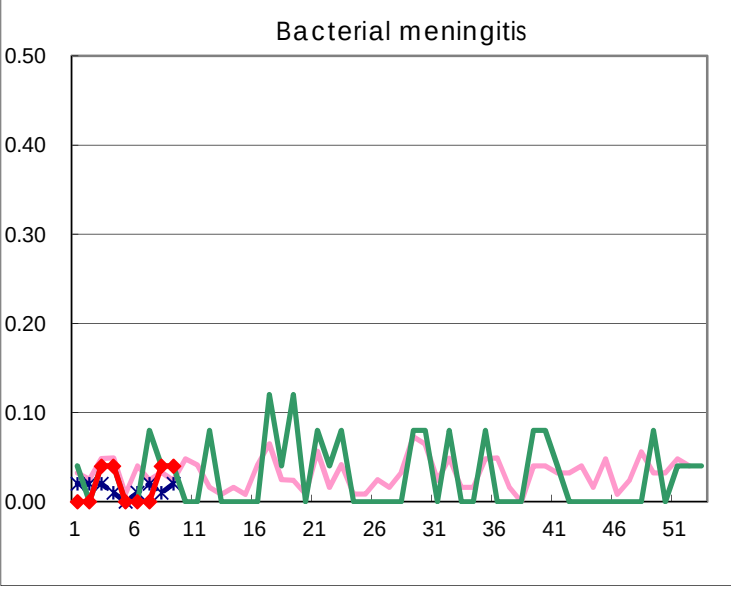
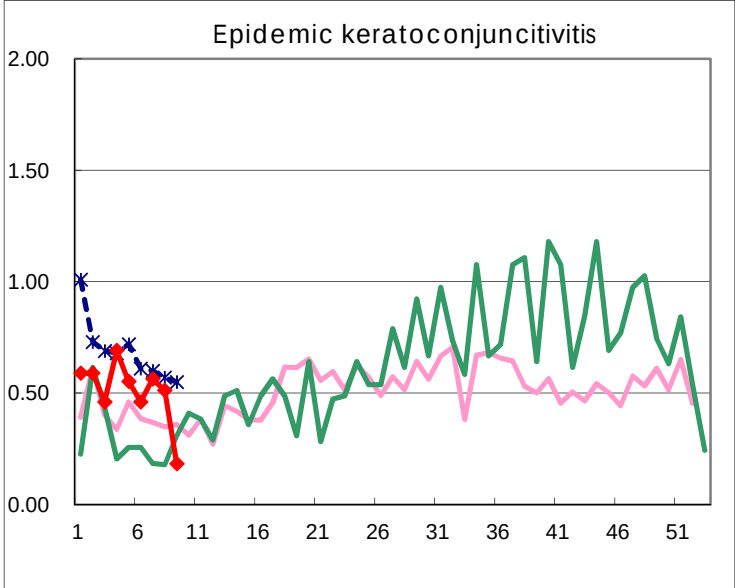
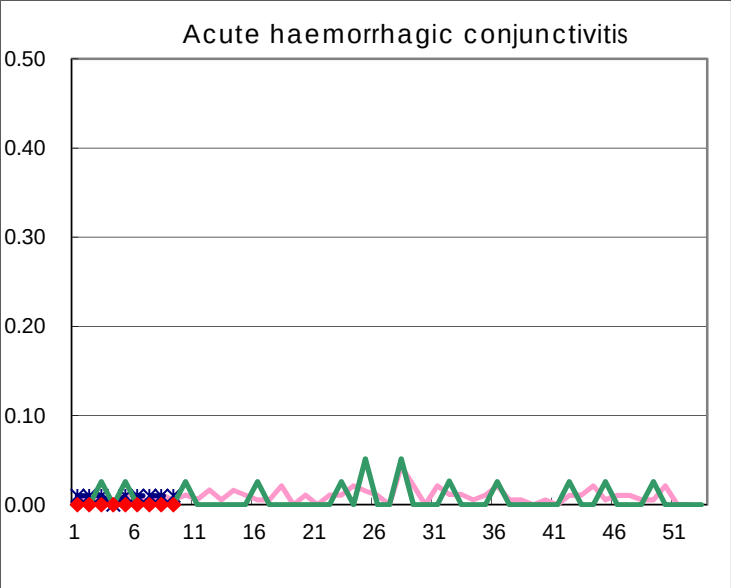
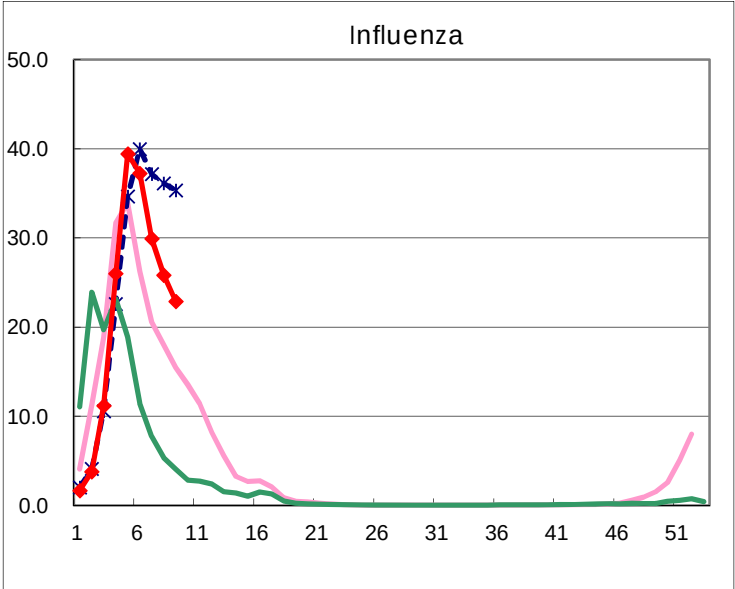
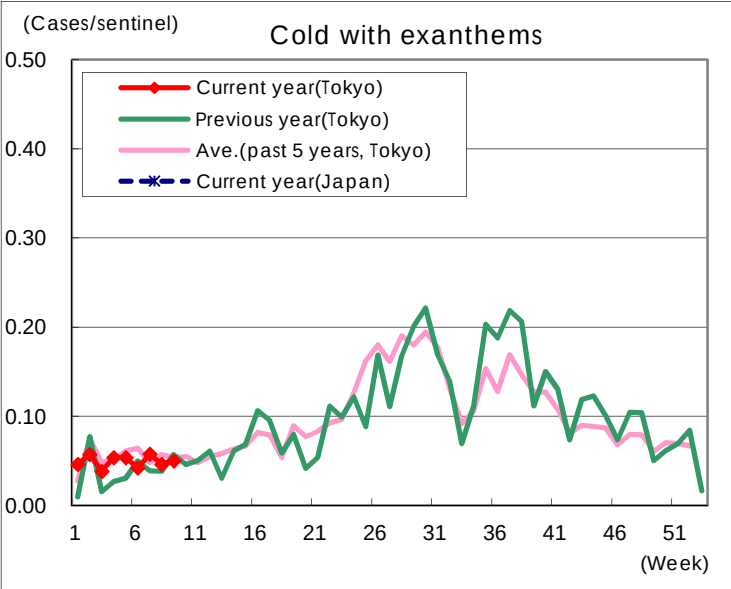
Diseases	Tokyo				
	6th	7th	8th	9th	/sentinel
Respiratory syncytial virus infection	45	32	32	33	0.13
Pharyngoconjunctival fever	56	52	48	43	0.17
Group A streptococcal pharyngitis	780	738	774	740	2.85
Infectious gastroenteritis	1,843	1,889	1,762	1,821	7.00
Chickenpox	117	98	71	98	0.38
Hand, foot, and mouth disease	8	8	8	2	0.01
Erythema infectiosum	82	77	64	80	0.31
Exanthem subitum	90	111	104	105	0.40
Pertussis	1	2	4	1	
Herpangina	1	1	4	9	0.03
Mumps	118	165	112	121	0.47
Kawasaki disease	4	5	2	6	0.02
Cold with exanthems	11	15	12	13	0.05
Influenza	15,494	12,413	10,688	9,499	22.89
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	18	22	20	7	0.18
Bacterial meningitis			1	1	0.04
Aseptic meningitis	1	1		2	0.08
Mycoplasma pneumonia	14	11	5	6	0.24
Chlamydial pneumonia (excluding psittacosis)	2		1	3	0.12
Infectious gastroenteritis (only by Rotavirus)	3	13	3	2	0.08
Influenza-Associated Hospitalizations	82	71	49	37	1.48

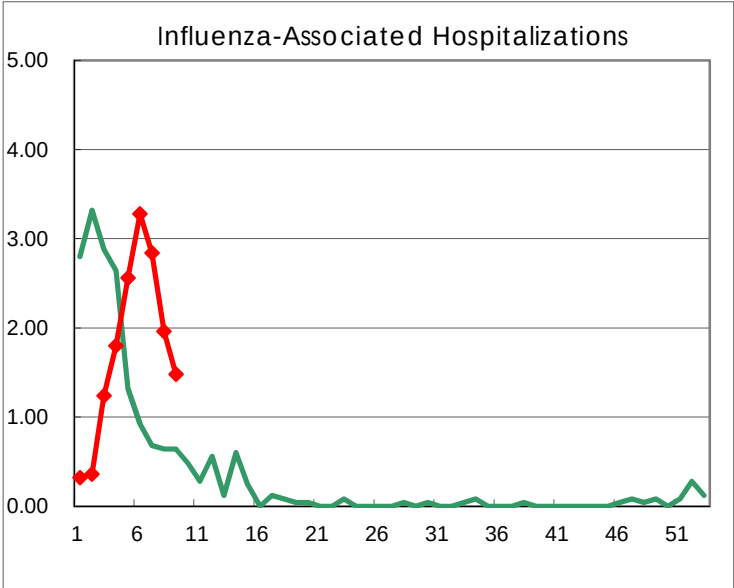
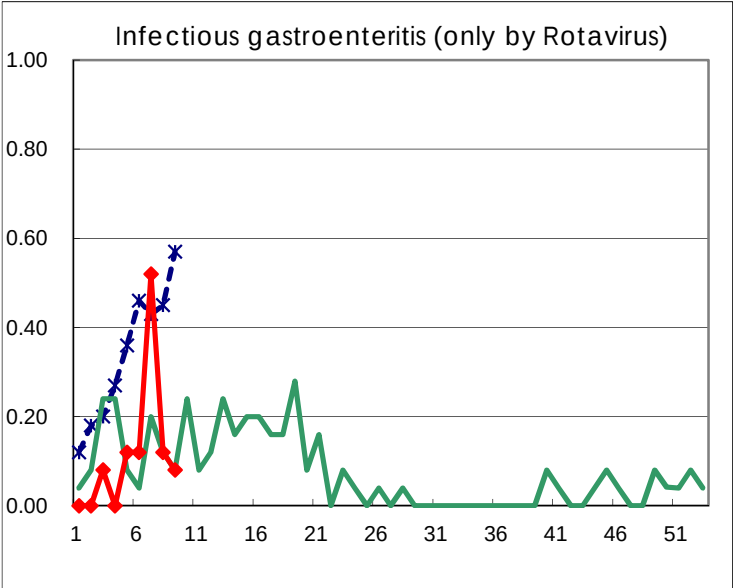
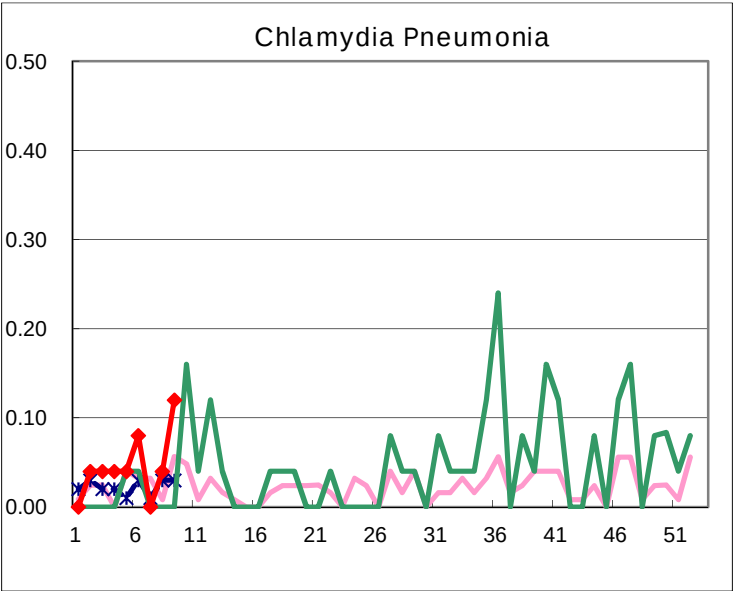
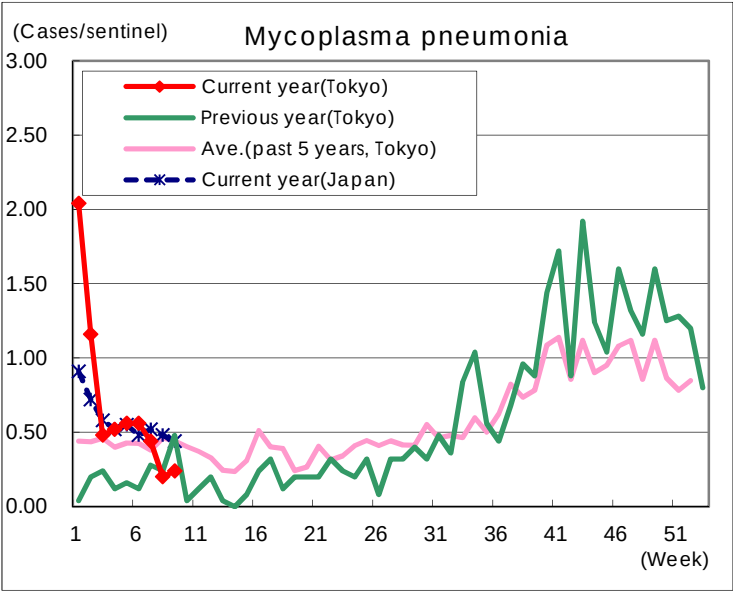
(Blank means 0.)

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	415
Ophthalmic	39	38
Specially-designated	25	25