

26 March 2015 / Number 12

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	
		9th	10th	11th	12th	Cum 2015	12th	Cum 2015
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	67	58	73	75	744	332	4,958
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
III	Avian influenza H7N9							
	Cholera							3
	Shigellosis	2				8	3	28
	Enterohemorrhagic Escherichia coli infection	1	1	4	2	15	10	220
	Typhoid fever					2	4	12
IV	Paratyphoid fever					2	1	10
	Hepatitis E		3	1		7	2	44
	West Nile fever							
	Hepatitis A					6	6	74
	Echinococcosis					1		4
	Yellow fever							
	Psittacosis							3
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							1
	Monkeypox							
	Severe Fever with Thrombocytopenia Syndrome							1
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever	1				2		2
	Scrub typhus(Tsutsugamushi disease)						1	18
	Dengue fever	1	1	1	1	13	5	44
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever							1
	Japanese encephalitis							
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							2
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism							
	Malaria			1	1	2	1	3
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis		4			17	9	242
	Leptospirosis		1			1		1
	Rocky mountain spotted fever							

Category	Diseases	Tokyo					Japan	
		9th	10th	11th	12th	Cum 2015	12th	Cum 2015
V	Amebiasis	7	2	2	2	41	14	225
	Viral hepatitis(excluding hepatitis A and E)	1			1	8	1	40
	CRE infection	3	5	4	2	28	10	258
	Acute encephalitis(excluding JE and WNE)	1	1		2	17	6	157
	Cryptosporidiosis					2		5
	Creutzfeldt-Jakob disease	1		1	1	6	1	37
	Severe invasive streptococcal infections(TSLS)	3	1	1	3	18	10	127
	Acquired immunodeficiency syndrome (AIDS)	8	8	10	8	82	12	275
	Giardiasis					1	1	15
	Invasive <i>Haemophilus influenzae</i> disease					5	1	59
	Invasive meningococcal disease		1			3		8
	Invasive pneumococcal disease	7	7	6	7	82	28	614
	Varicella (limited to hospitalized case)	1			1	8	1	60
	Congenital rubella syndrome							
	Syphilis	15	17	10	9	139	17	358
	Disseminated cryptococcosis			1		2		26
	Tetanus						1	15
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection							11
	Rubella	2		1	2	9	5	47
	Measles					1		7
	MDRA infection							4

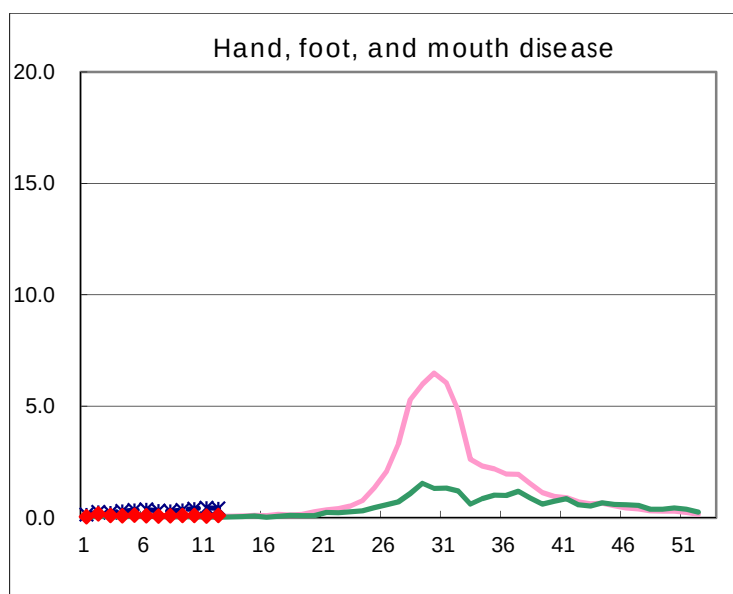
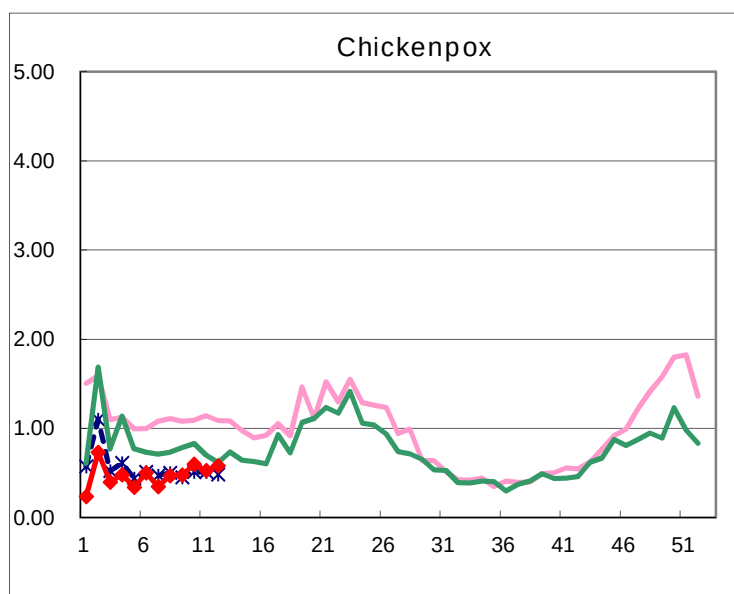
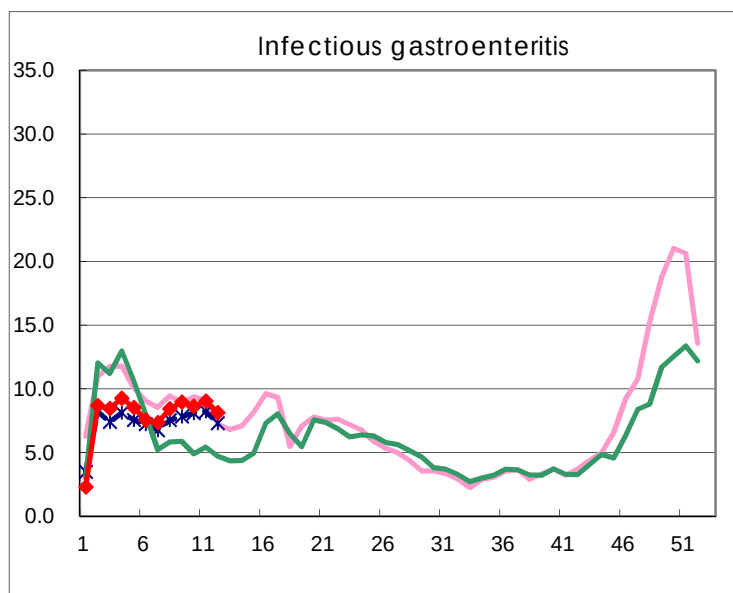
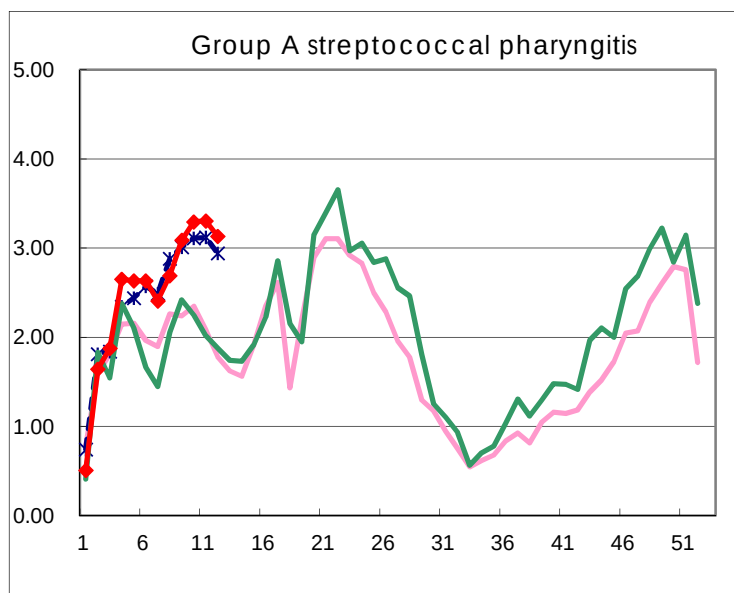
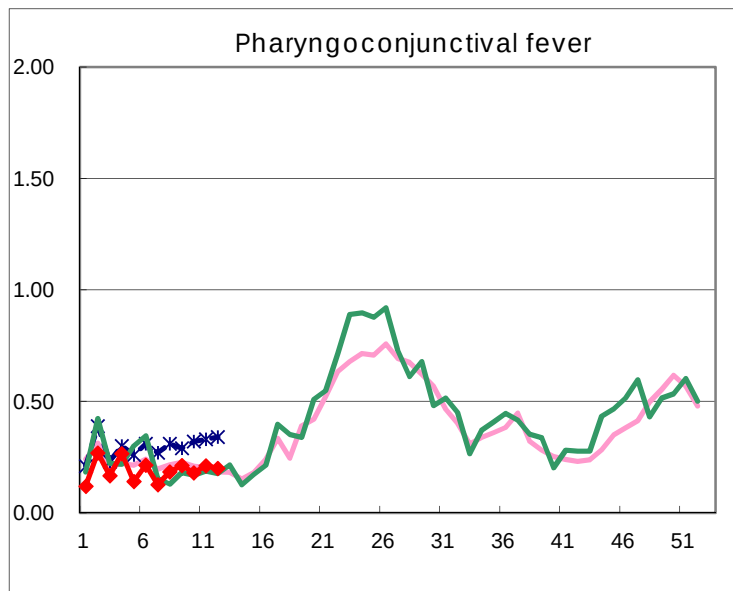
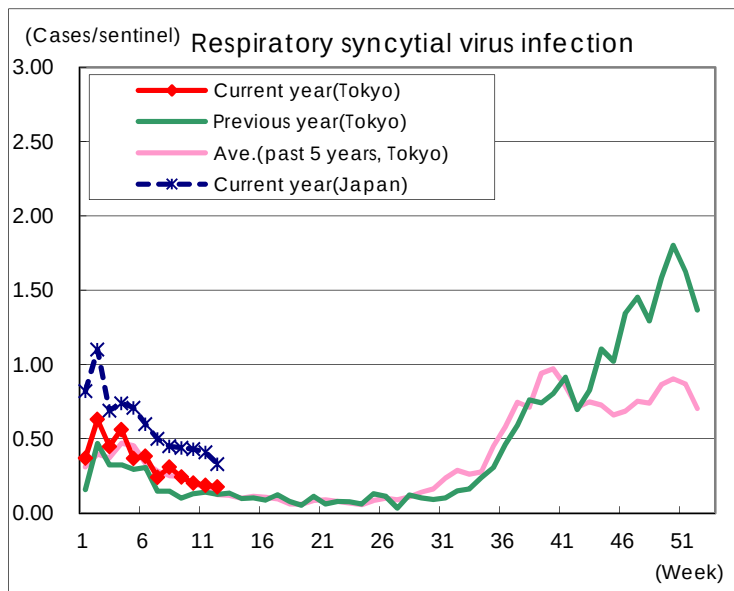
※ Designated infectious disease

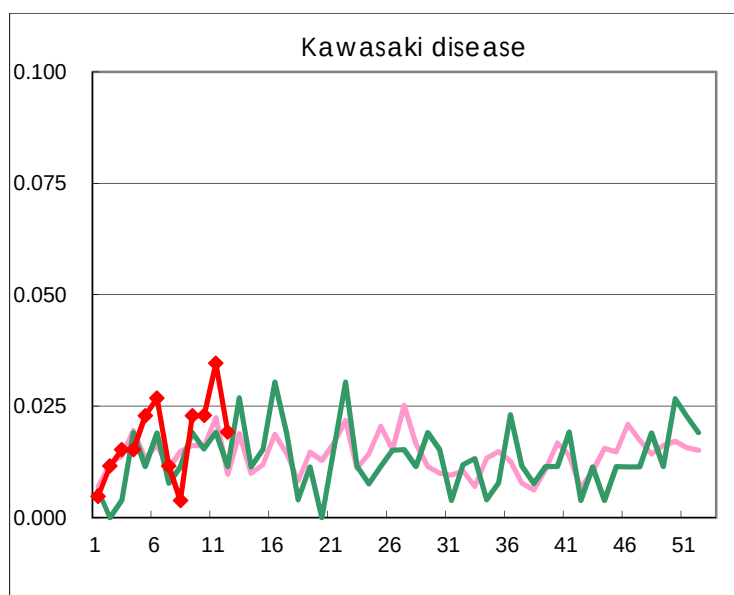
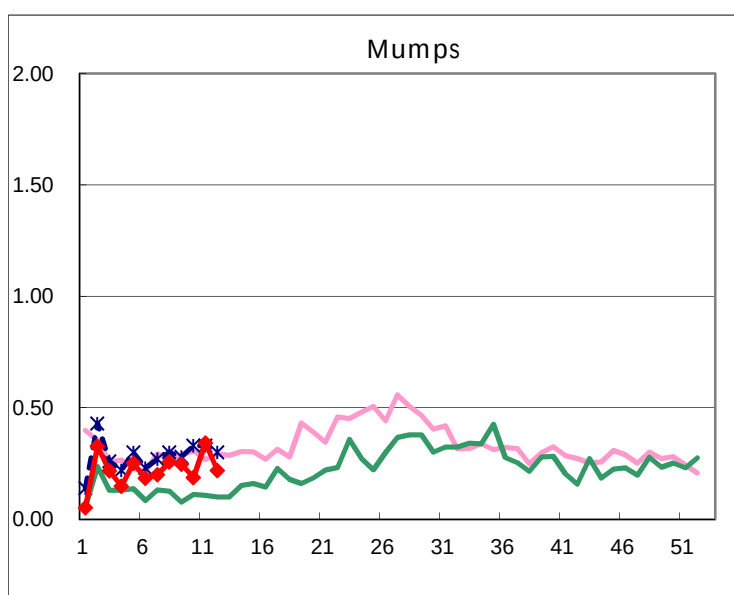
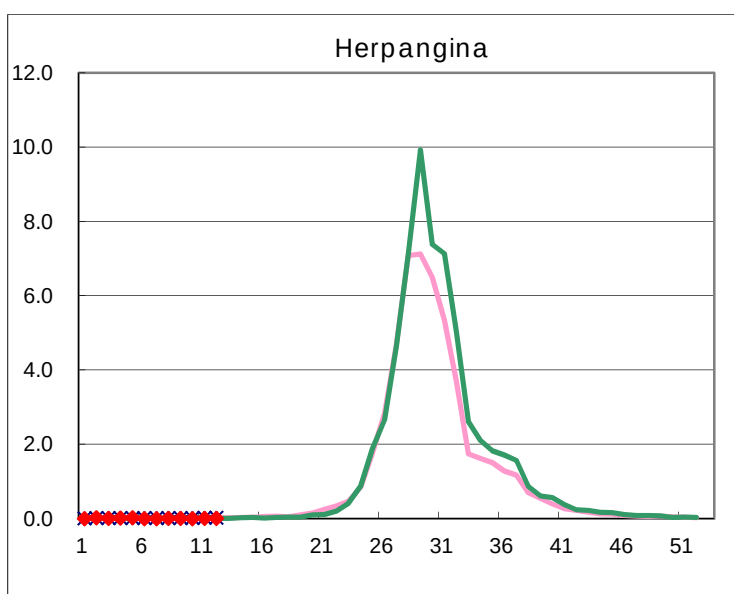
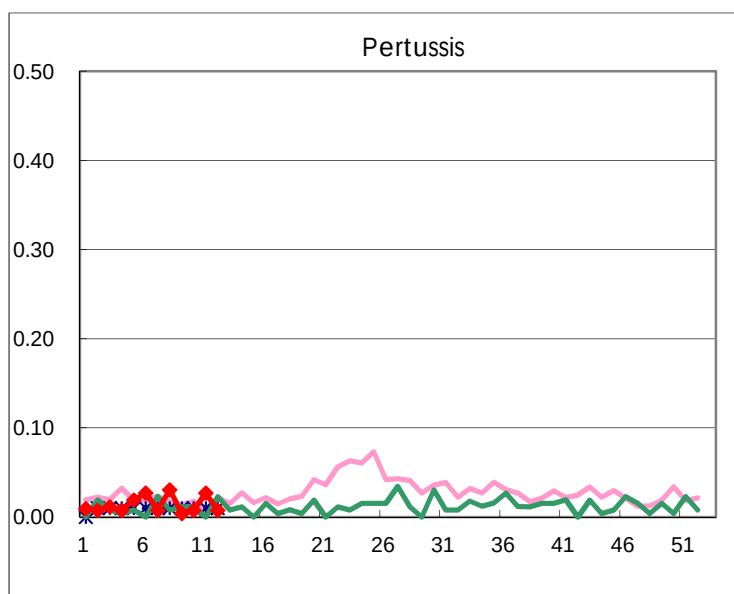
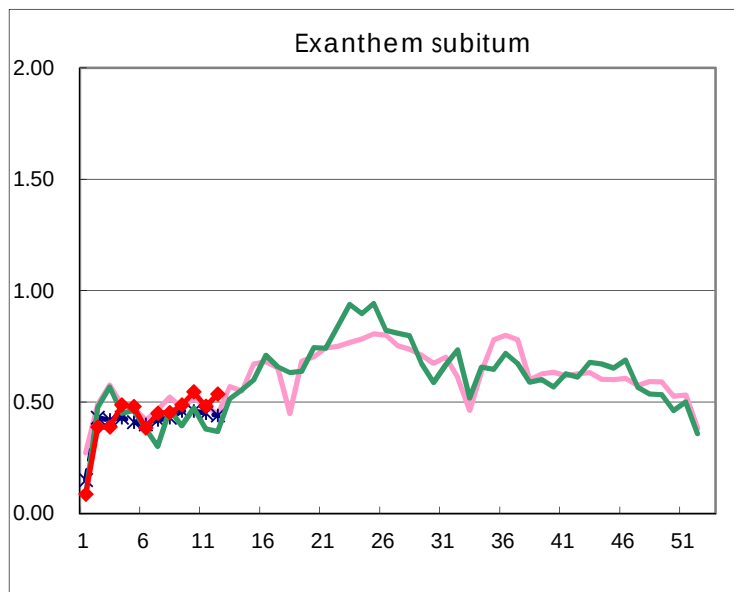
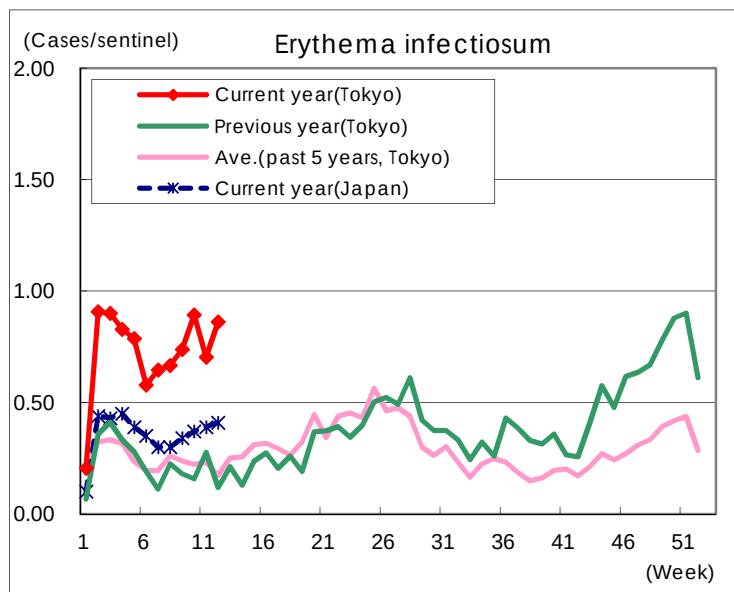
Number of patients with the diseases to be reported
by the designated clinics and hospitals

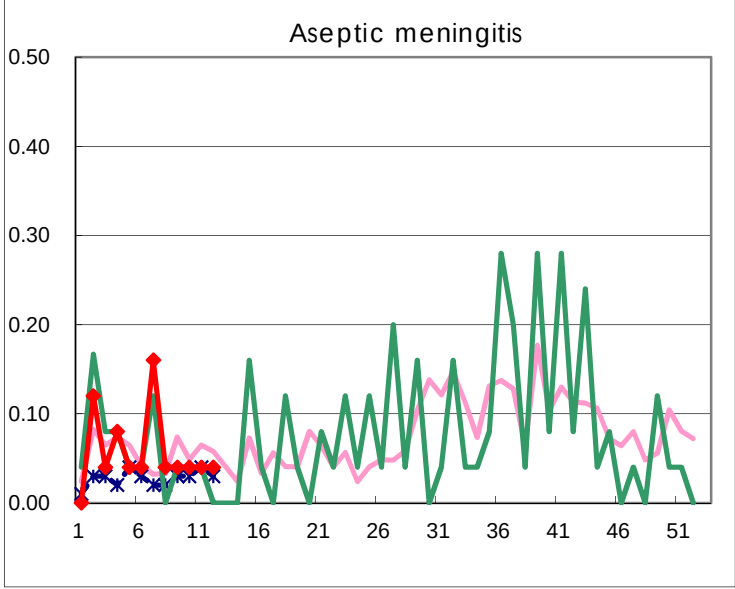
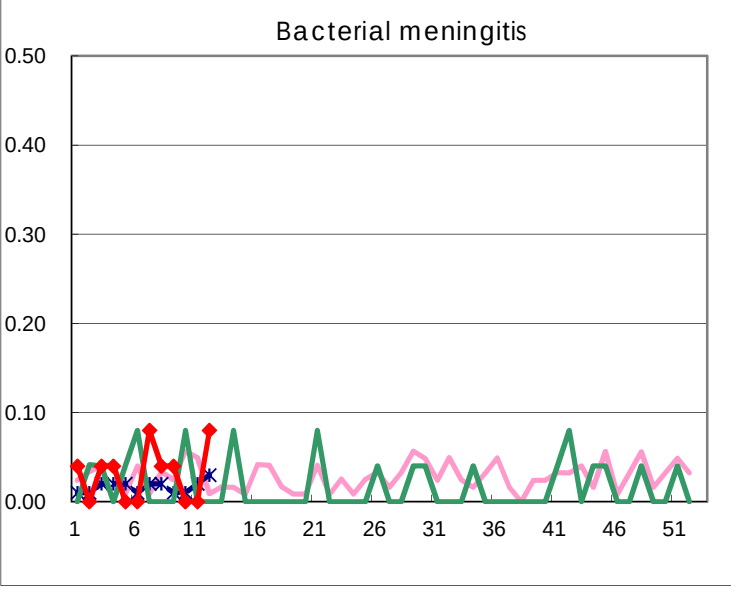
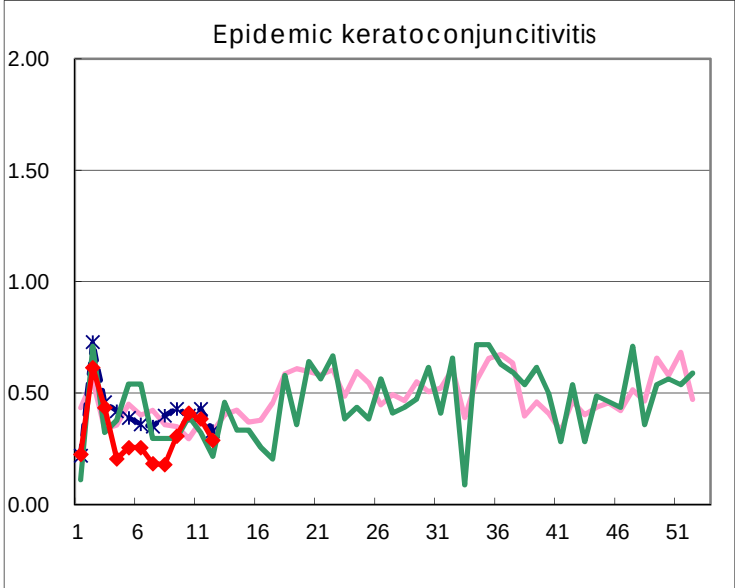
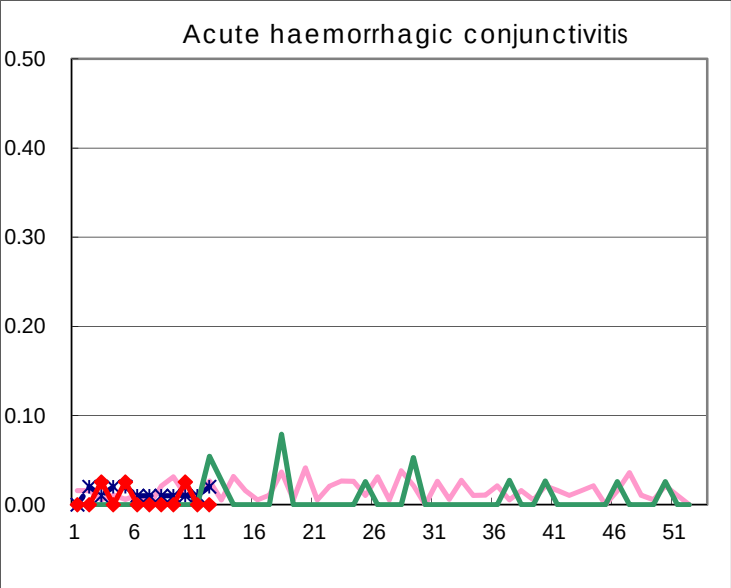
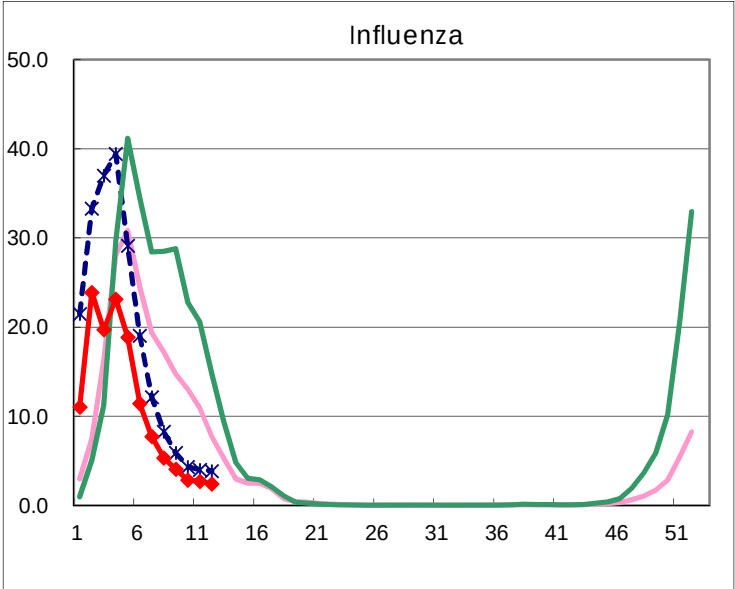
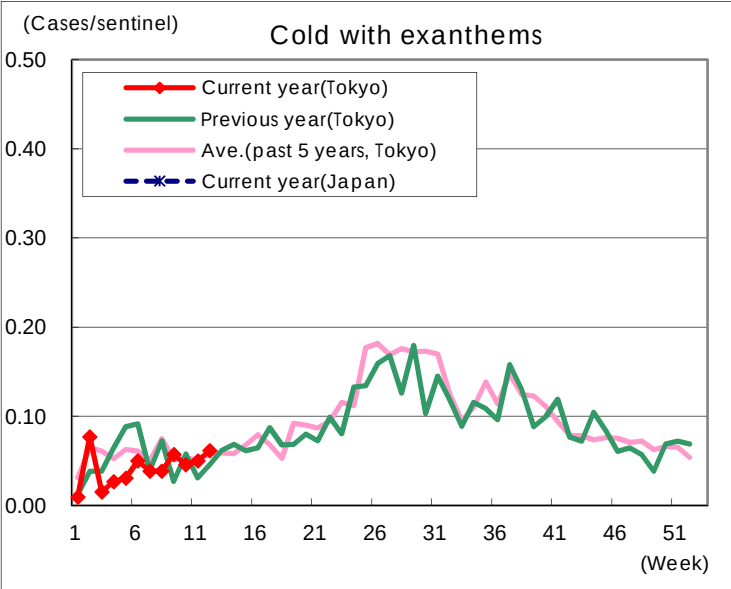
Diseases	Tokyo				
	9th	10th	11th	12th	/sentinel
Respiratory syncytial virus infection	64	53	49	46	0.18
Pharyngoconjunctival fever	56	47	55	52	0.20
Group A streptococcal pharyngitis	812	863	859	817	3.13
Infectious gastroenteritis	2,354	2,259	2,349	2,119	8.12
Chickenpox	125	156	136	151	0.58
Hand, foot, and mouth disease	26	25	20	27	0.10
Erythema infectiosum	194	234	183	225	0.86
Exanthem subitum	128	143	125	140	0.54
Pertussis	1	2	7	2	0.01
Herpangina	2	1	3	2	0.01
Mumps	65	49	89	57	0.22
Kawasaki disease	6	6	9	5	0.02
Cold with exanthems	15	12	13	16	0.06
Influenza	1,694	1,175	1,113	983	2.39
Acute hemorrhagic conjunctivitis		1			
Epidemic keratoconjunctivitis	12	16	15	11	0.29
Bacterial meningitis	1			2	0.08
Aseptic meningitis	1	1	1	1	0.04
Mycoplasma pneumonia	12	1	3	5	0.20
Chlamydial pneumonia (excluding psittacosis)		4	1	3	0.12
Infectious gastroenteritis (only by Rotavirus)	2	6	2	3	0.12
Influenza-Associated Hospitalizations	16	12	7	14	0.56

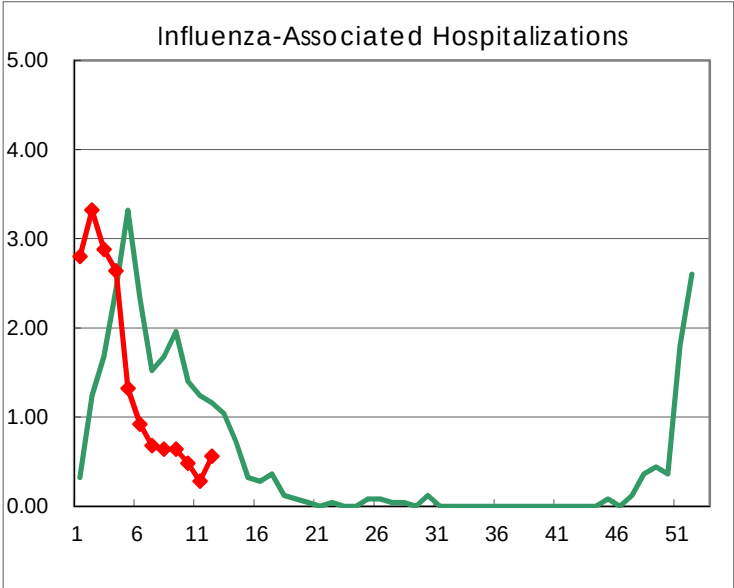
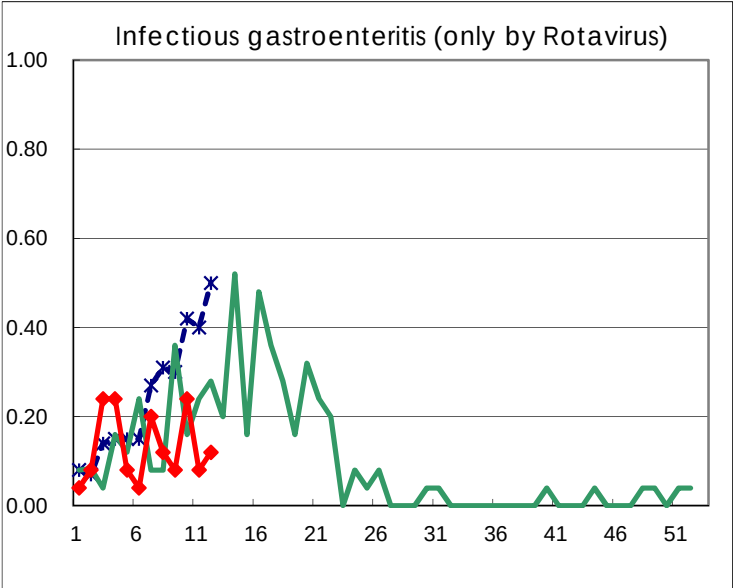
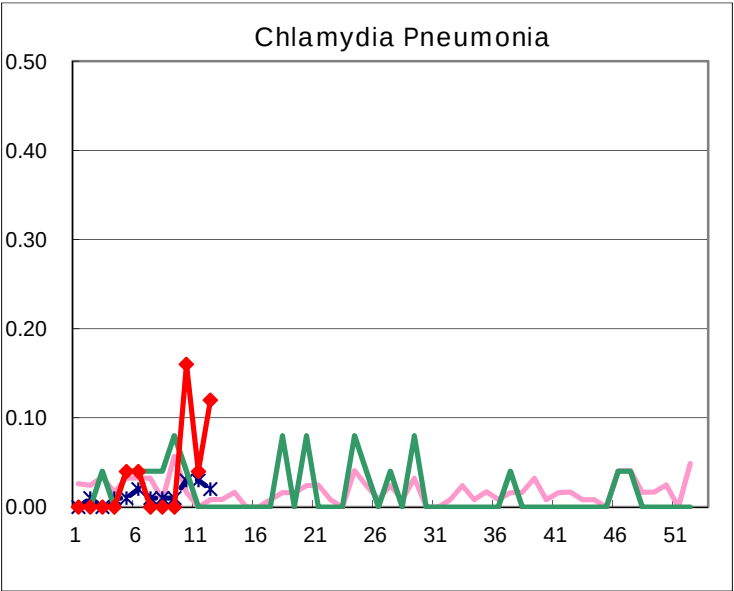
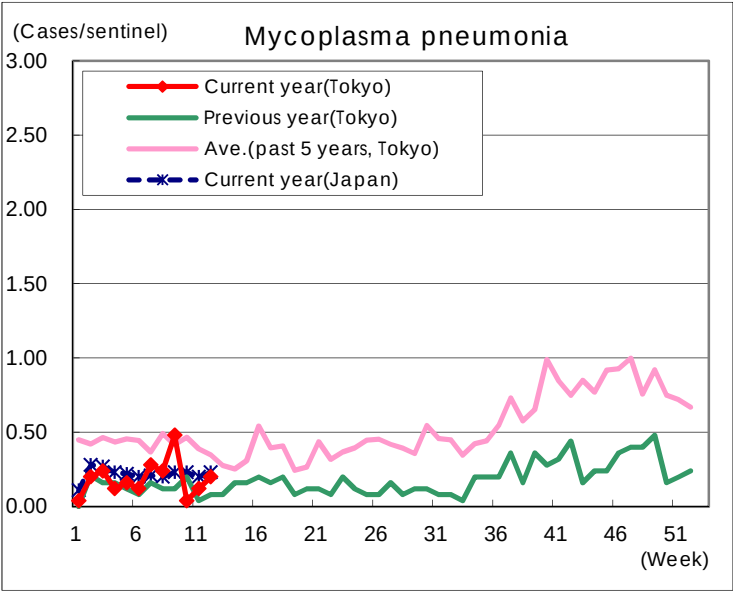
(Blank means 0.)

Disease Trend Graph (weekly reported cases per sentinelin comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	261
Influenza	419	411
Ophthalmic	39	38
Specially- designated	25	25