

15 March 2018 / Number 10

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	
		7th	8th	9th	10th	Cum 2018	10th	Cum 2018
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	38	64	74	64	564	354	3,680
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
III	Avian influenza H5N1							
	Avian influenza H7N9							
	Cholera							2
	Shigellosis	2	2		1	12	3	39
	Enterohemorrhagic Escherichia coli infection	1	2	1		10	12	116
	Typhoid fever					2		11
IV	Paratyphoid fever	1			1	3	1	5
	Hepatitis E	3	2	2	2	14	6	55
	West Nile fever							
	Hepatitis A	3	9	6	7	42	11	90
	Echinococcosis							1
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							
	Kyasanur forest disease							
	Q fever							1
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection							
	Severe Fever with Thrombocytopenia Syndrome							
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever							
	Scrub typhus(Tsutsugamushi disease)		1			4	1	38
	Dengue fever	1	1	1	1	11	3	20
	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						1	1
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism					1		1
	Malaria						3	9
	Tularemia							
	Lyme disease							
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis							
	Legionellosis	3	2	2	1	18	16	202
	Leptospirosis							
	Rocky mountain spotted fever							

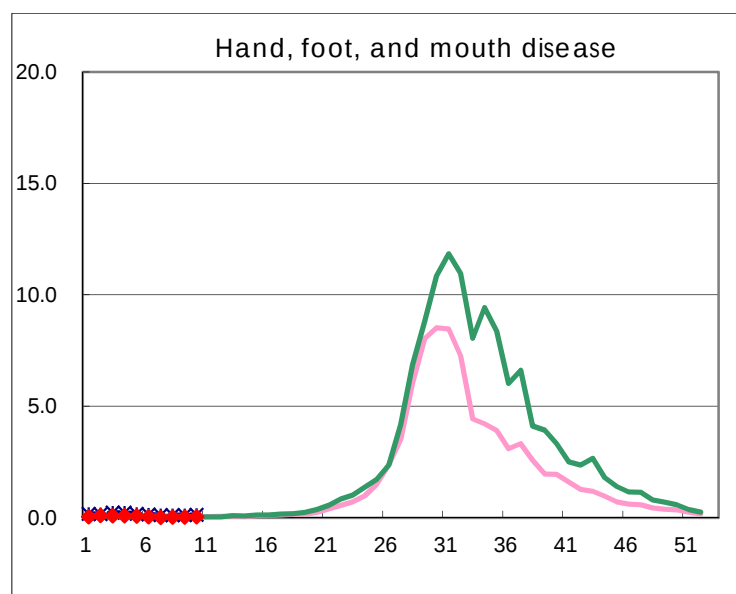
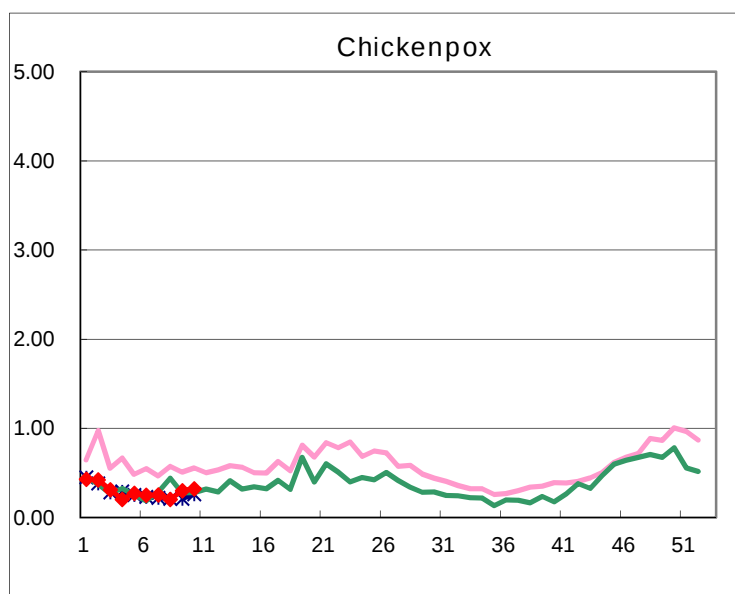
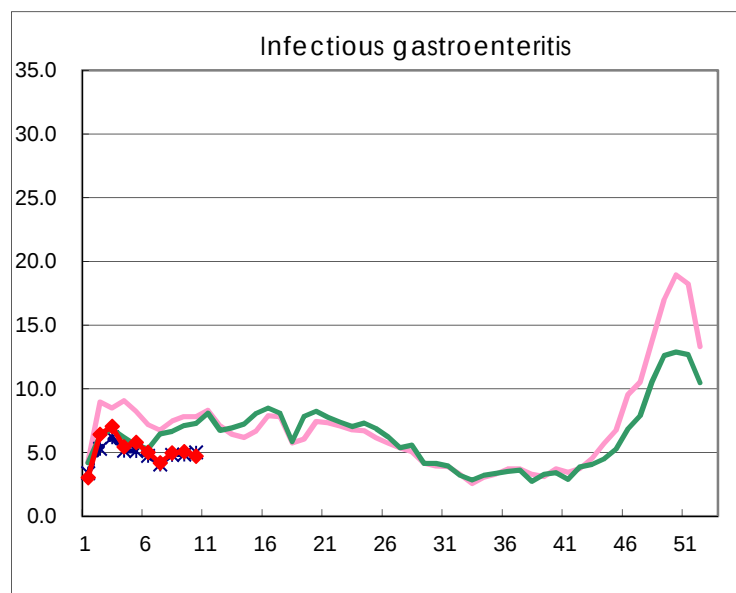
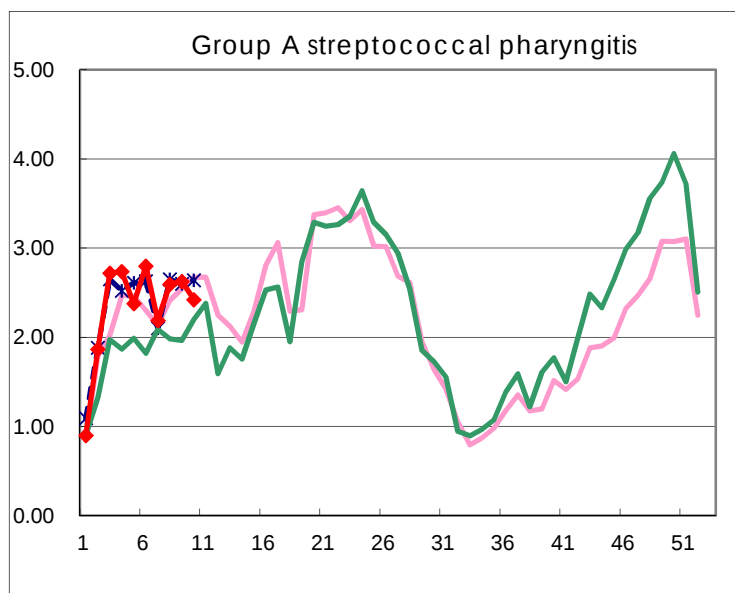
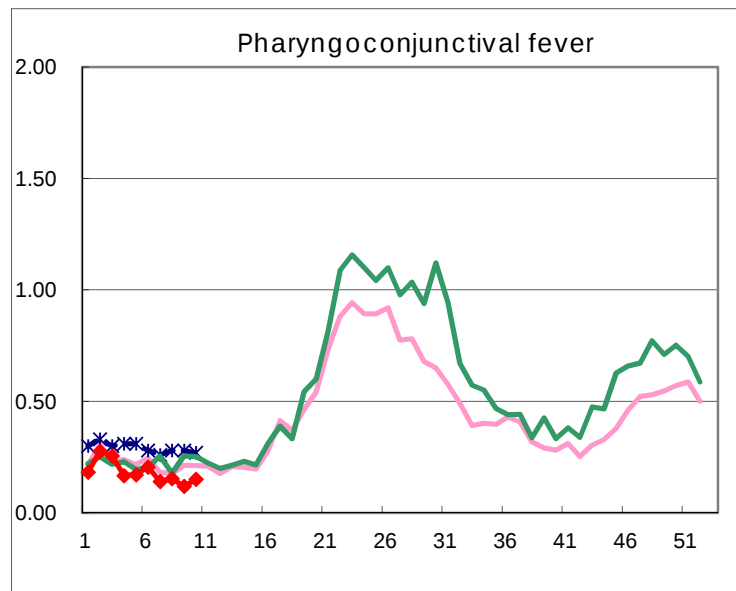
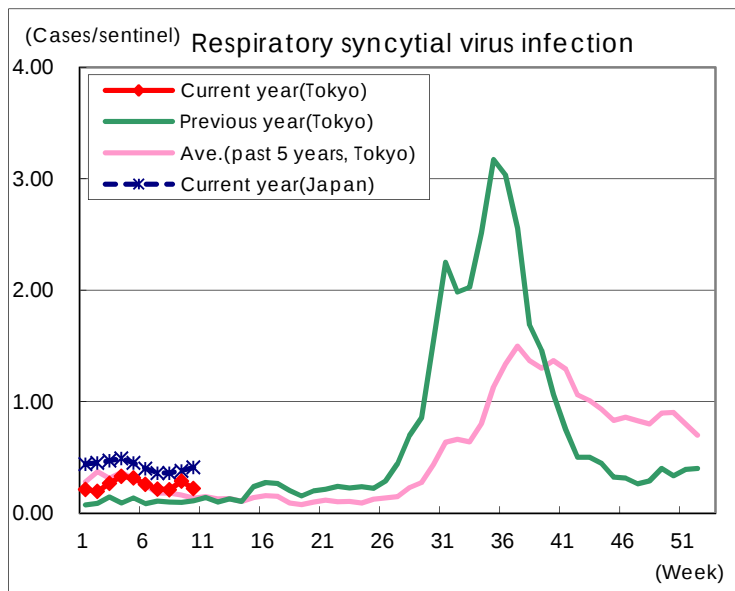
Category	Diseases	Tokyo					Japan	
		7th	8th	9th	10th	Cum 2018	10th	Cum 2018
V	Amebiasis	5	2	4	2	26	8	135
	Viral hepatitis(excluding hepatitis A and E)			1		4	4	31
	CRE infection	3	1	2	2	22	22	291
	Acute encephalitis(excluding JE and WNE)	1		1	1	21	8	214
	Cryptosporidiosis							4
	Creutzfeldt-Jakob disease					3	8	41
	Severe invasive streptococcal infections(TSLS)		2	4		24	8	179
	Acquired immunodeficiency syndrome (AIDS)	4	12	5	6	67	13	213
	Giardiasis			1		4		14
	Invasive <i>Haemophilus influenzae</i> disease			1		4	7	97
	Invasive meningococcal disease		1			2	2	8
	Invasive pneumococcal disease	7	11	10	3	107	40	835
	Varicella (limited to hospitalized case)		2			6	1	58
	Congenital rubella syndrome							
	Syphilis	24	24	35	27	284	80	1,042
	Disseminated cryptococcosis		1		1	6	5	27
	Tetanus							7
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection						2	8
	Pertussis	2	6	5	8	59	49	554
	Rubella						2	6
	Measles						2	9
	MDRA infection							3

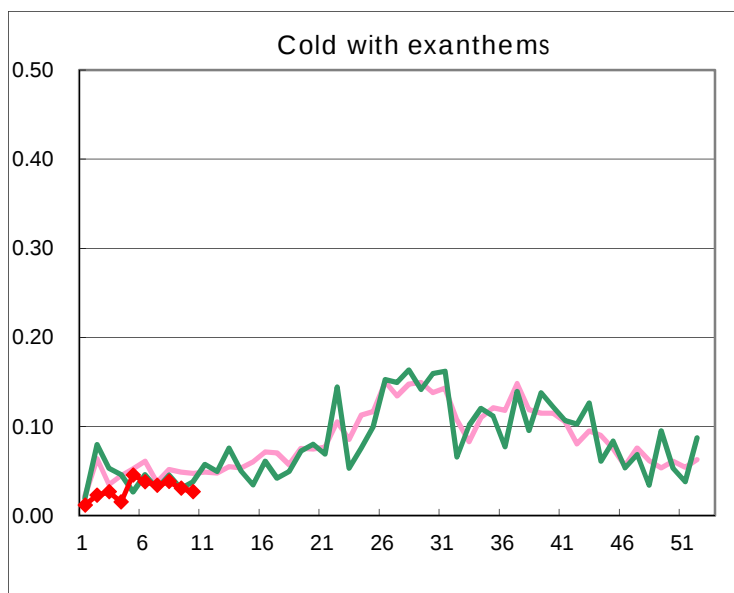
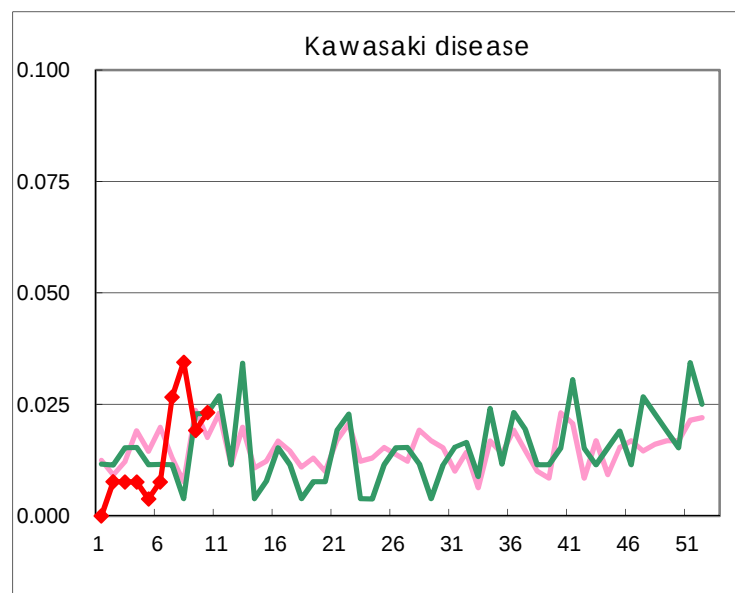
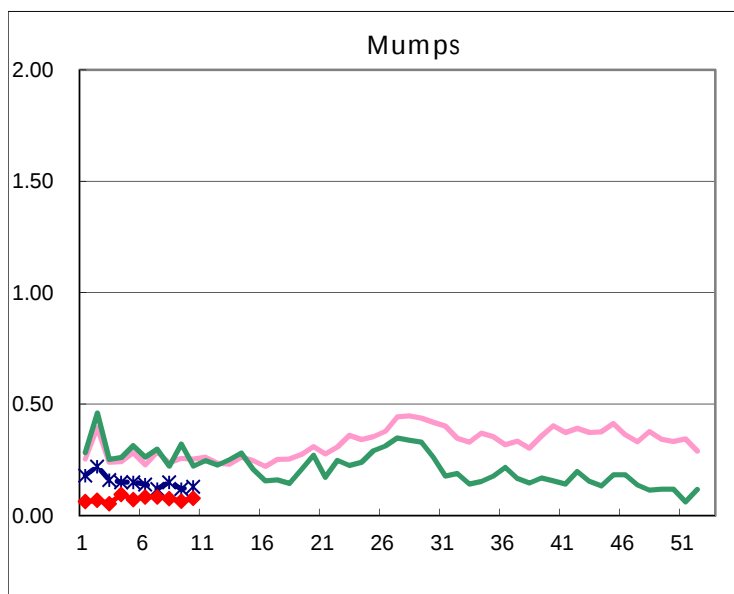
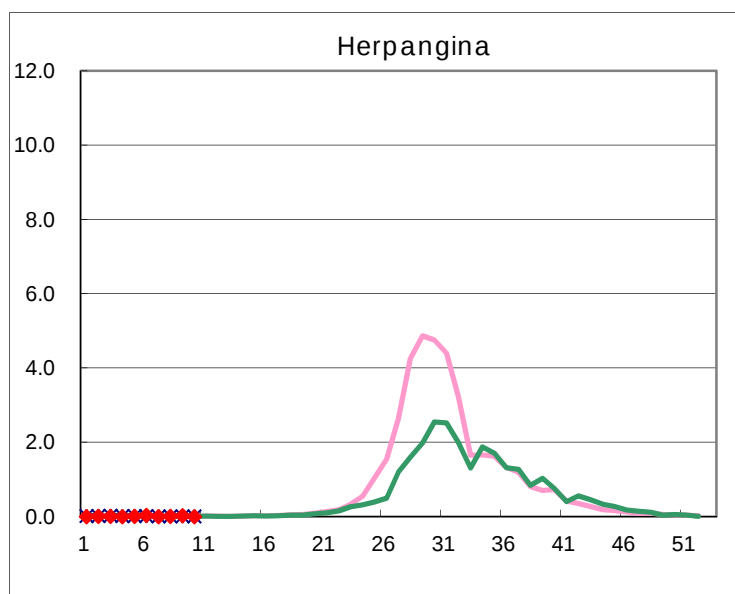
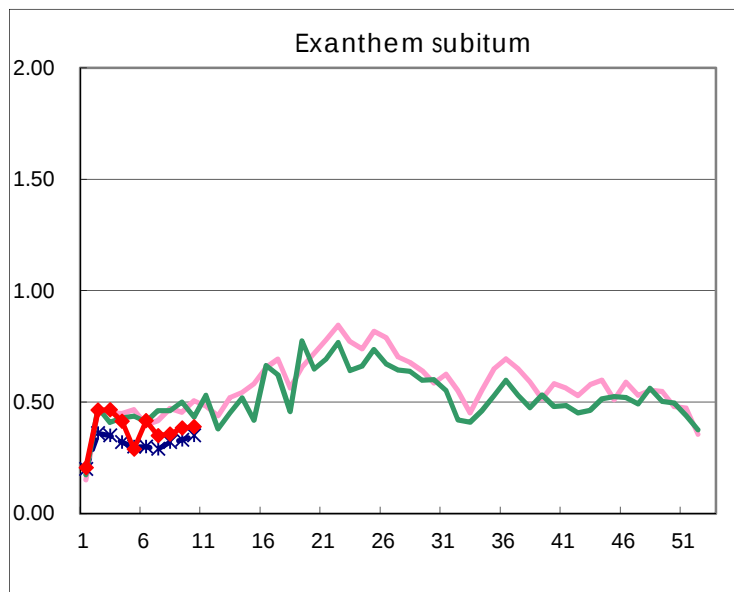
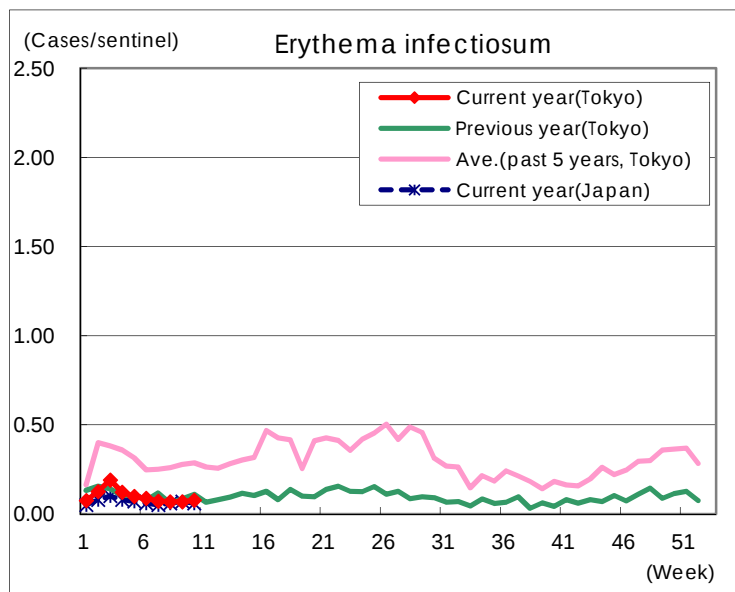
Number of patients with the diseases to be reported
by the designated clinics and hospitals

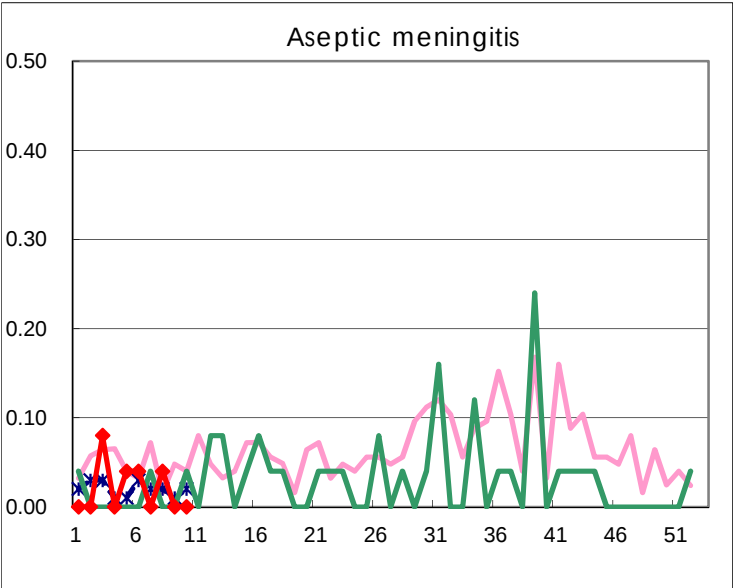
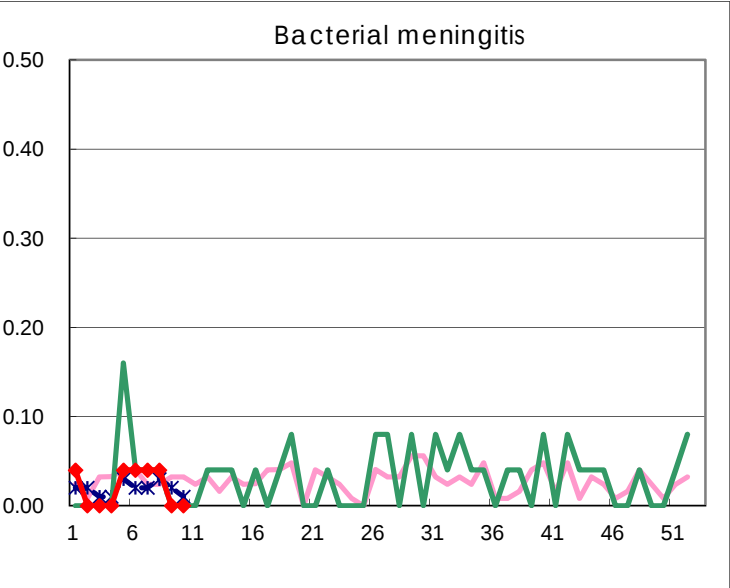
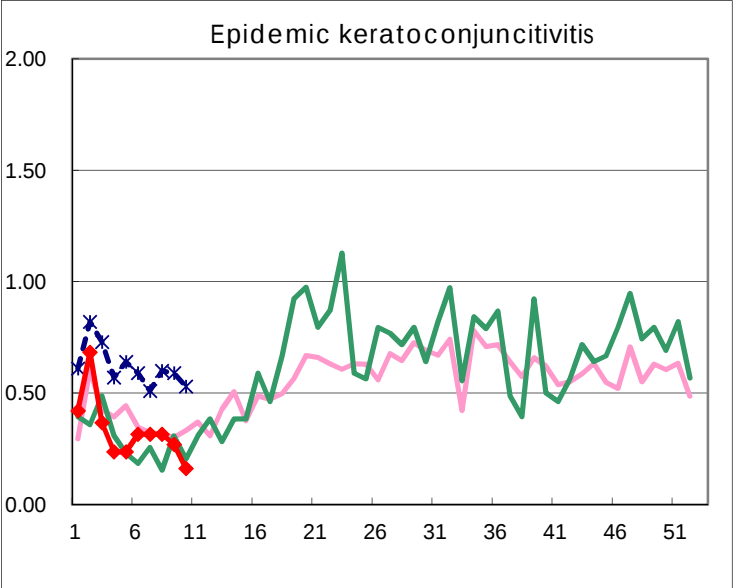
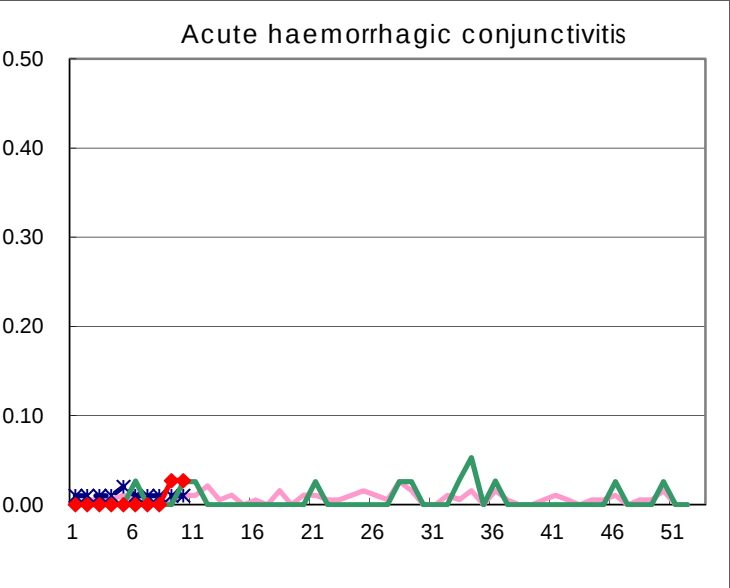
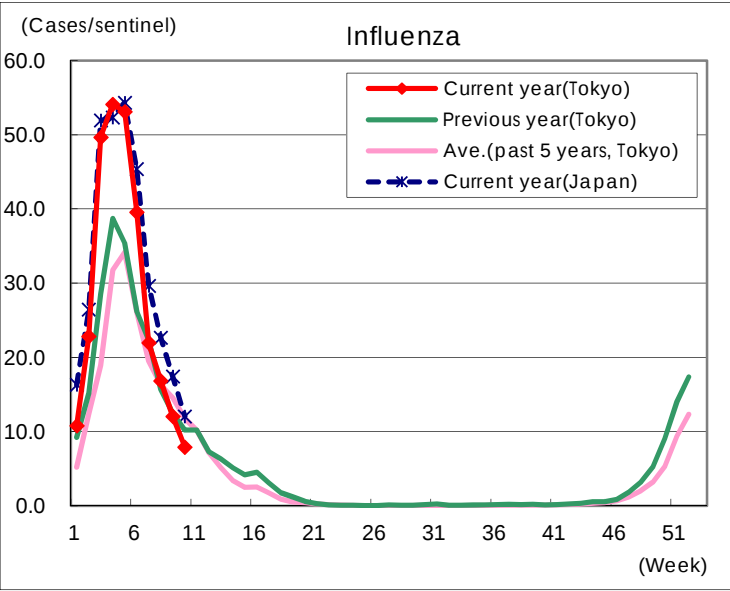
Diseases	Tokyo				
	7th	8th	9th	10th	/sentinel
Respiratory syncytial virus infection	57	55	75	57	0.22
Pharyngoconjunctival fever	37	40	31	39	0.15
Group A streptococcal pharyngitis	575	677	685	627	2.42
Infectious gastroenteritis	1,096	1,290	1,321	1,221	4.71
Chickenpox	66	53	78	83	0.32
Hand, foot, and mouth disease	4	8	6	12	0.05
Erythema infectiosum	19	18	18	20	0.08
Exanthem subitum	92	93	100	101	0.39
Herpangina		3	6		
Mumps	22	20	17	20	0.08
Kawasaki disease	7	9	5	6	0.02
Cold with exanthems	9	10	8	7	0.03
Influenza	9,137	6,963	4,988	3,258	7.91
Acute hemorrhagic conjunctivitis			1	1	0.03
Epidemic keratoconjunctivitis	12	12	10	6	0.16
Bacterial meningitis	1	1			
Aseptic meningitis		1			
Mycoplasma pneumonia	1	3		3	0.12
Chlamydial pneumonia (excluding psittacosis)	1			5	0.20
Infectious gastroenteritis (only by Rotavirus)	1	1	5	6	0.24
Influenza-Associated Hospitalizations	98	69	49	36	1.44

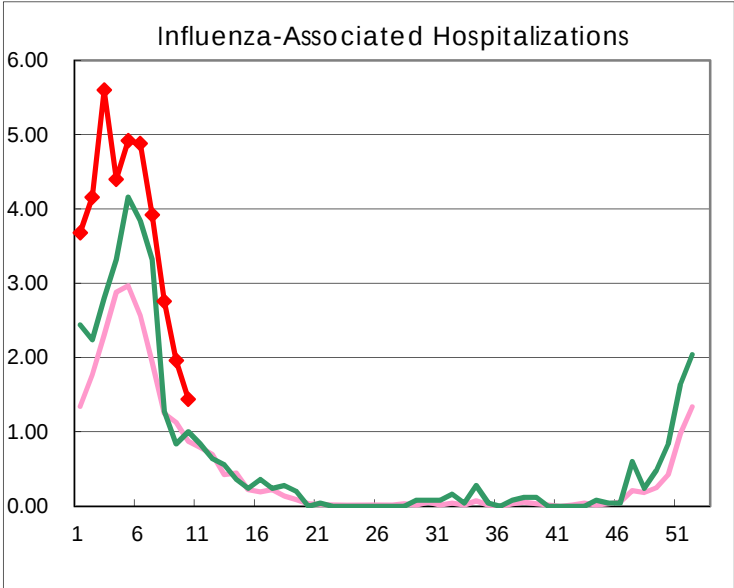
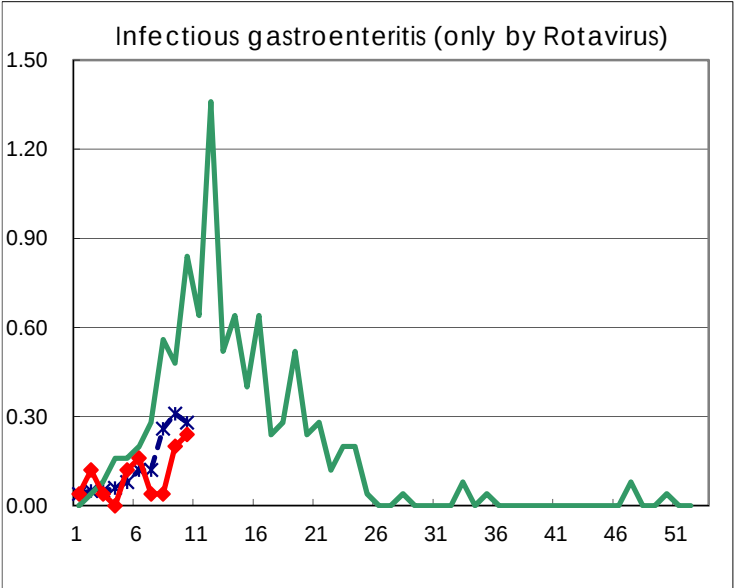
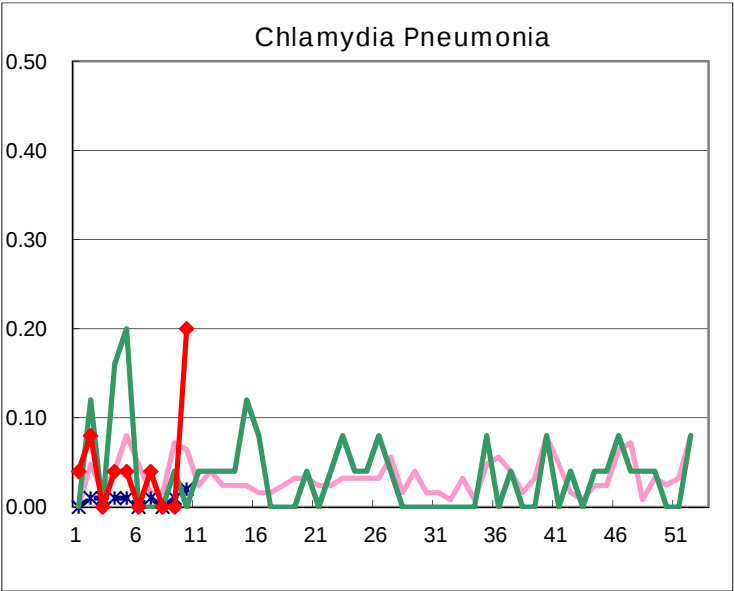
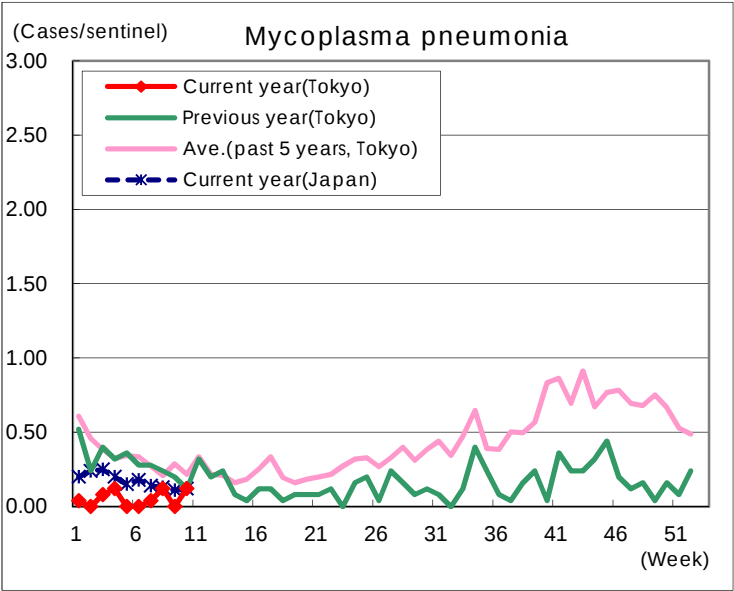
(Blank means 0.)

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	259
Influenza	419	412
Ophthalmic	39	37
Specially-designated	25	25