

31 March 2016 / 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 2016	12th	Cum 2016
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	66	67	85	49	789	280	4,921
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
III	Avian influenza H5N1							
	Avian influenza H7N9							
	Cholera							
	Shigellosis	3	1		2	10	1	35
	Enterohemorrhagic Escherichia coli infection	2	3			16	10	146
IV	Typhoid fever				2	7	2	11
	Paratyphoid fever					2	1	3
	Hepatitis E	1	3			14	3	91
	West Nile fever							
	Hepatitis A	1	4	4	2	18	9	87
	Echinococcosis							3
	Yellow fever							
	Psittacosis							
	Omsk hemorrhagic fever							
	Relapsing fever							1
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis							
	Monkeypox							
	Zika virus infection						2	4
	Severe Fever with Thrombocytopenia Syndrome						1	3
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							
	Anthrax							
	Chikungunya fever	1				1		1
	Scrub typhus(Tsutsugamushi disease)							36
	Dengue fever	1	1		1	15	13	75
	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		2	3	7	
Tularemia								
Lyme disease								
Lyssavirus infection(excluding rabies)								
Rift valley fever								
Melioidosis								
Legionellosis	1	1	5		23	7	243	
Leptospirosis							3	
Rocky mountain spotted fever								

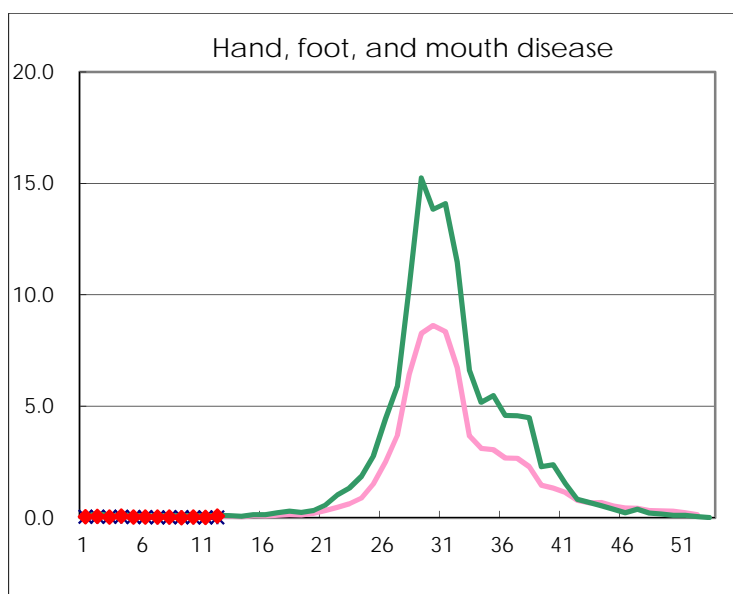
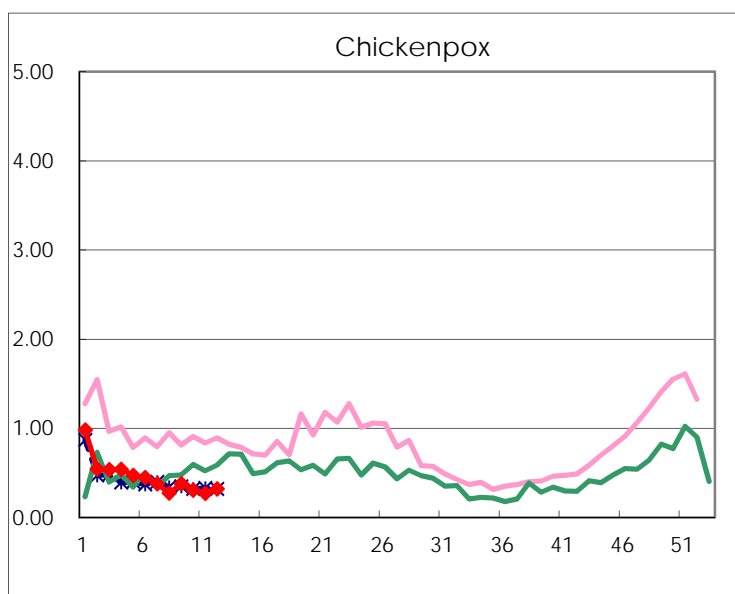
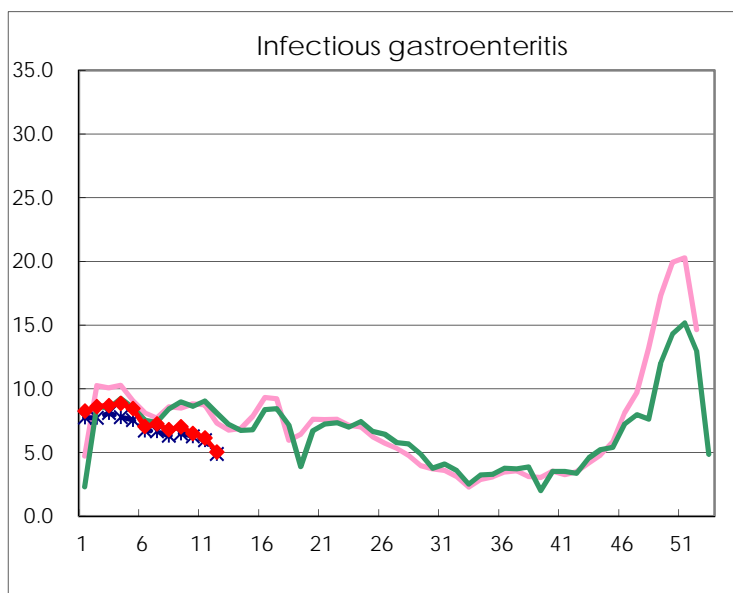
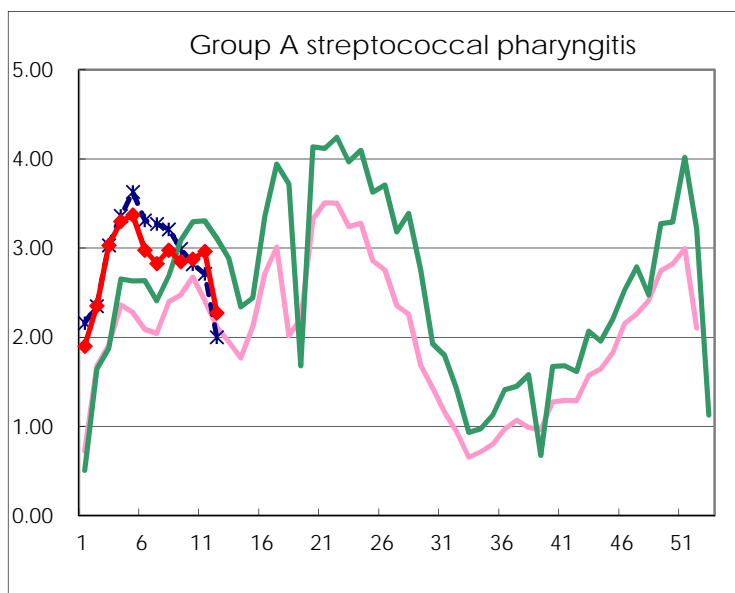
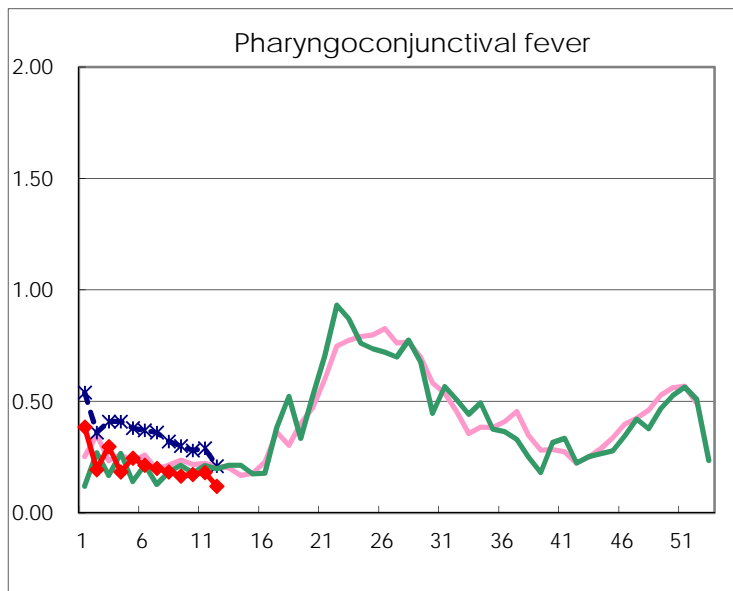
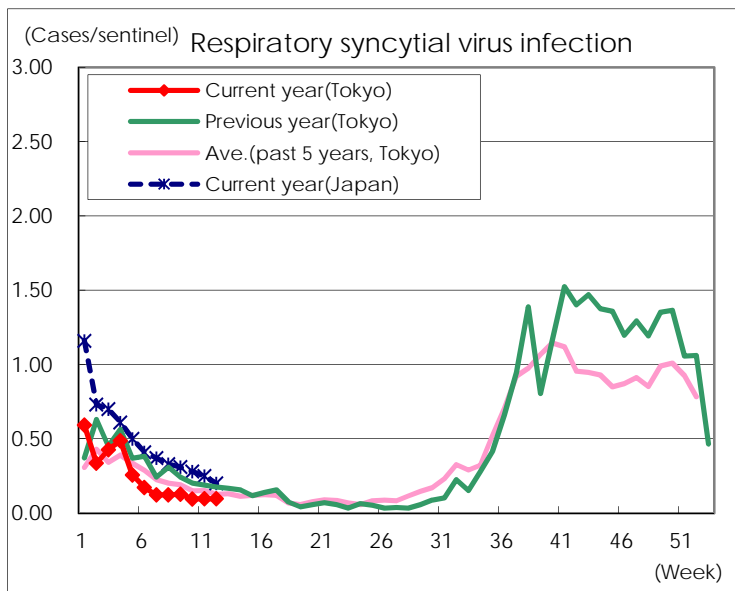
Category	Diseases	Tokyo				Japan		
		9th	10th	11th	12th	Cum 2016	12th	Cum 2016
V	Amebiasis	2	5	5	8	53	18	275
	Viral hepatitis(excluding hepatitis A and E)		1			12	1	50
	CRE infection	5	3	2	1	47	11	305
	Acute encephalitis(excluding JE and WNE)	6	2	1	1	43	5	268
	Cryptosporidiosis							2
	Creutzfeldt-Jakob disease	1		1		6	1	47
	Severe invasive streptococcal infections(TSLS)	1			4	22	6	129
	Acquired immunodeficiency syndrome (AIDS)	6	14	9	8	109	6	317
	Giardiasis		1	1		4	1	12
	Invasive <i>Haemophilus influenzae</i> disease		1	2	1	10	3	80
	Invasive meningococcal disease							15
	Invasive pneumococcal disease	7	10	9	7	99	26	727
	Varicella (limited to hospitalized case)				1	9	4	52
	Congenital rubella syndrome							
	Syphilis	28	47	21	20	361	50	796
	Disseminated cryptococcosis	1	2	1	1	6	1	27
	Tetanus						2	15
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant Enterococcus infection							7
Rubella	3		1		4	1	22	
Measles							4	
MDRA infection							7	

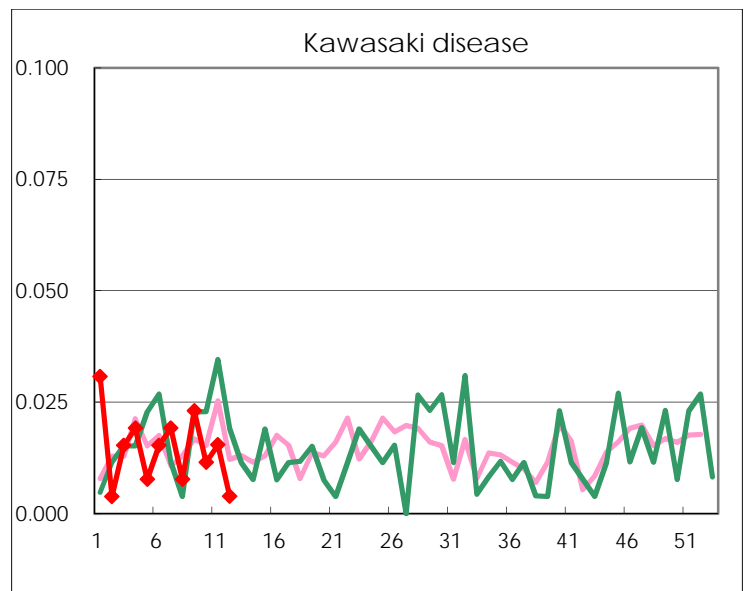
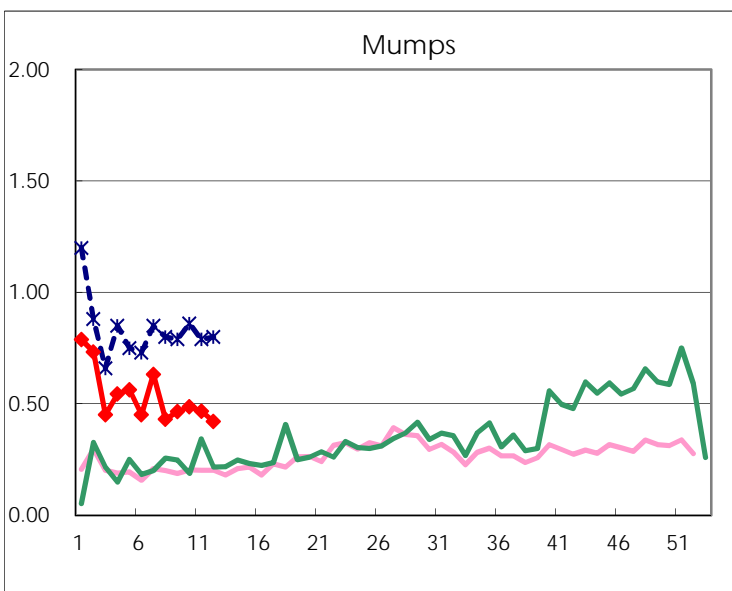
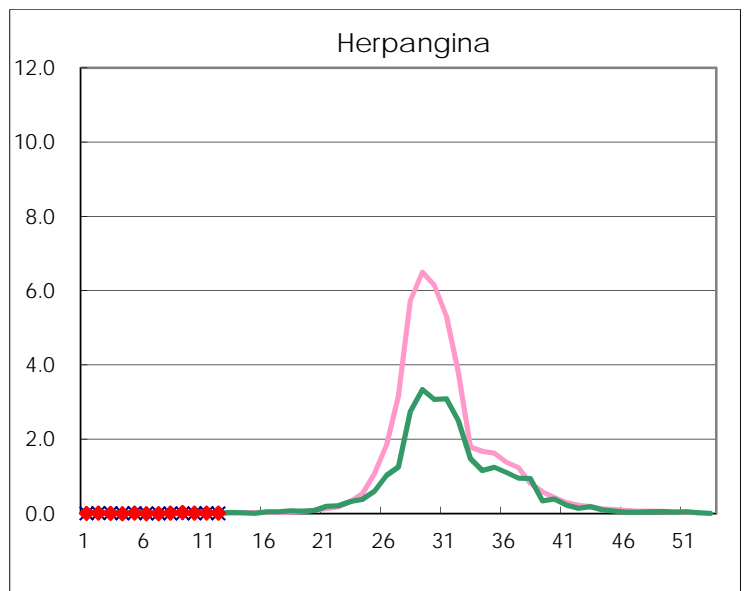
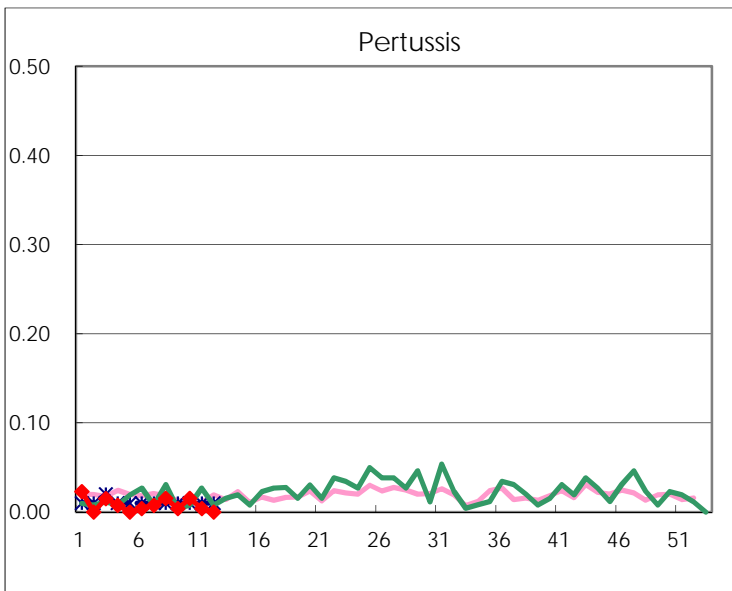
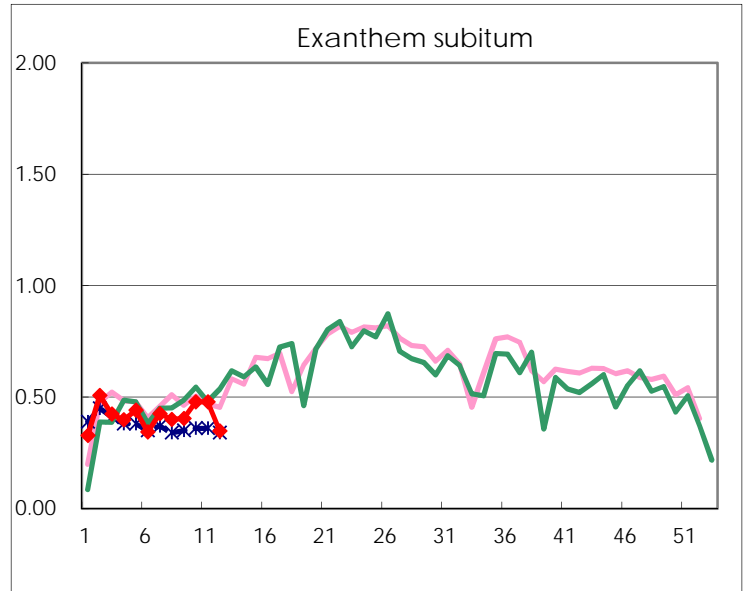
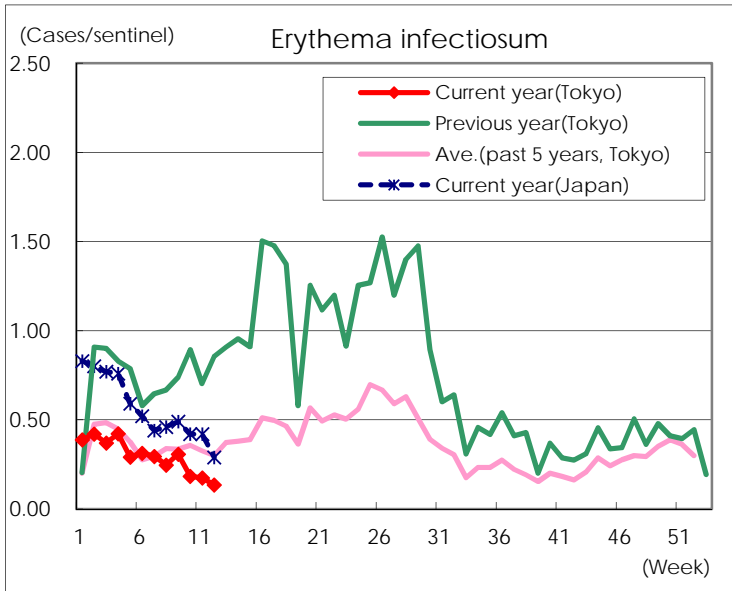
Number of patients with the diseases to be reported
by the designated clinics and hospitals

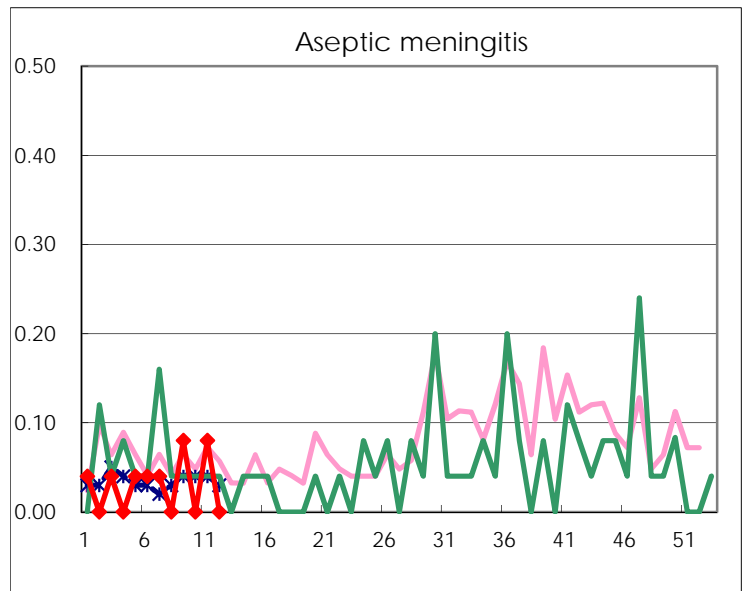
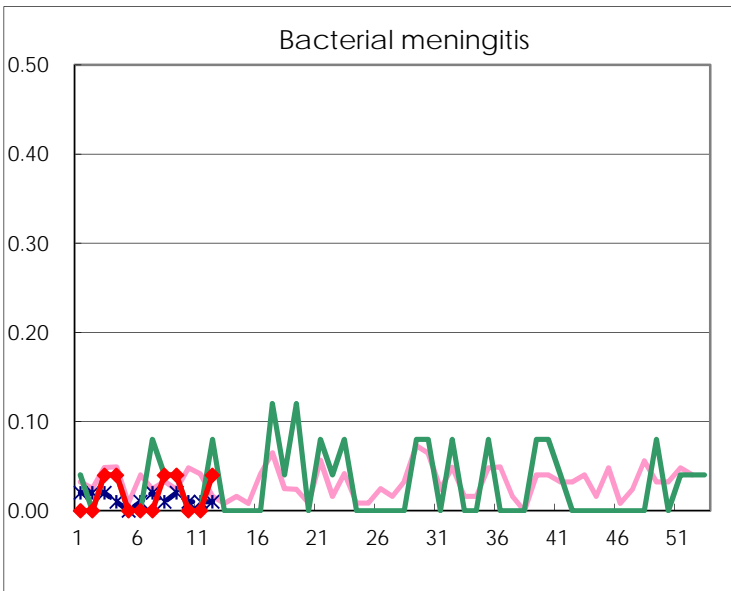
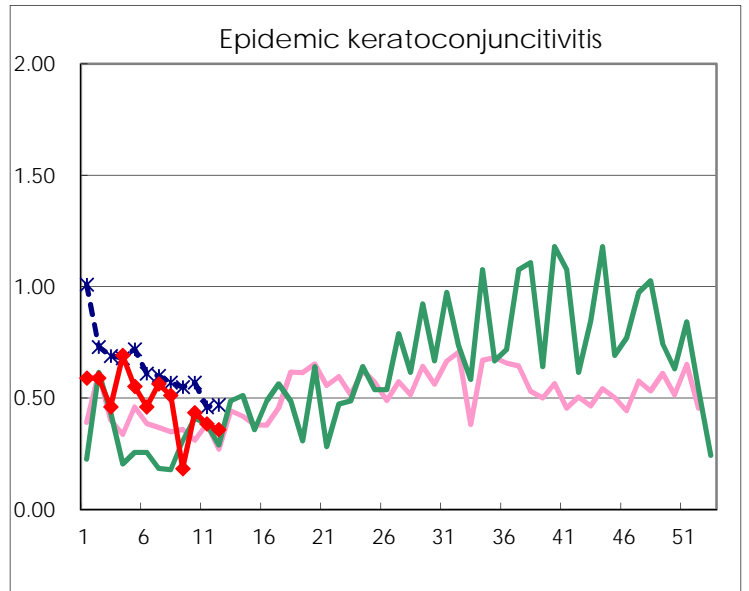
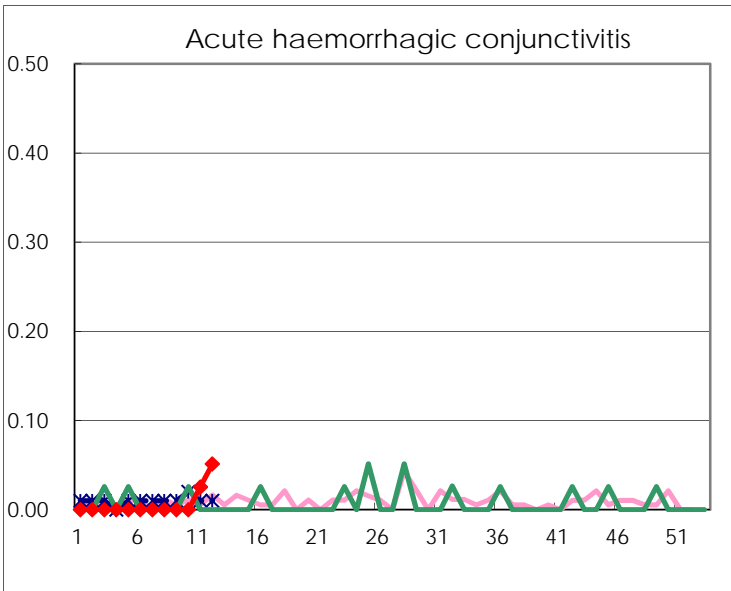
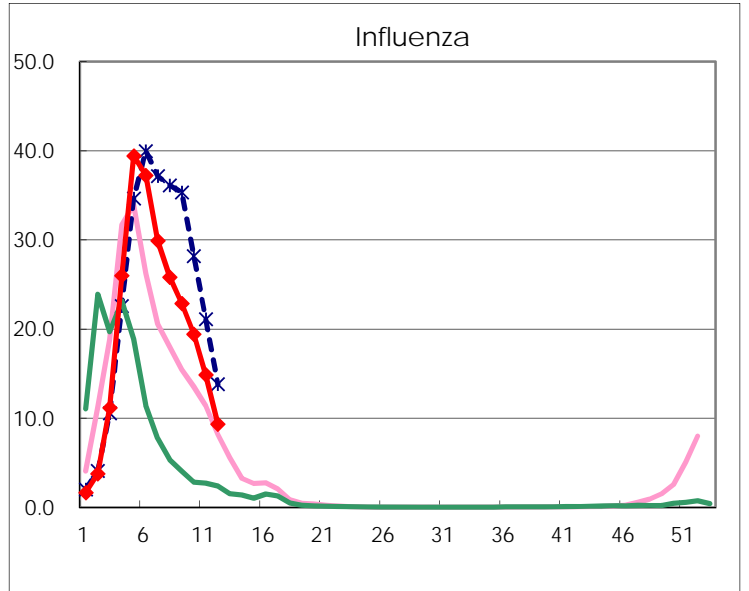
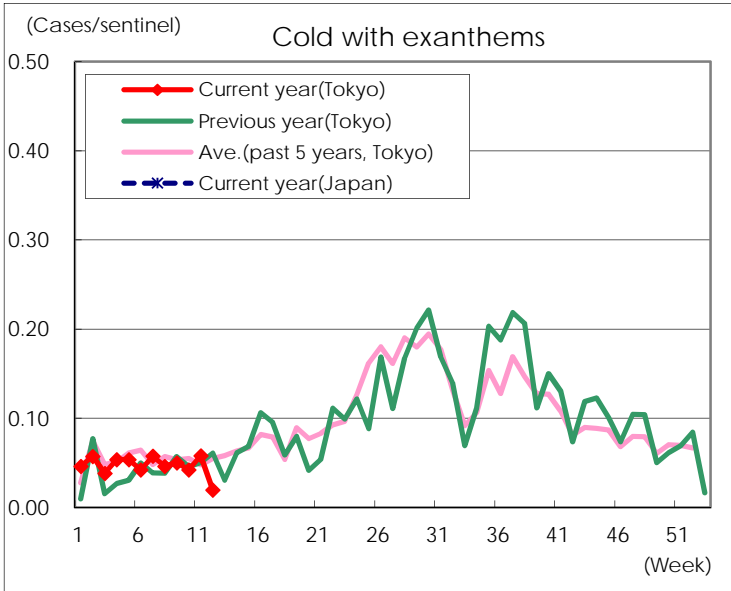
Diseases	Tokyo				
	9th	10th	11th	12th	/sentinel
Respiratory syncytial virus infection	33	25	25	25	0.10
Pharyngoconjunctival fever	43	45	47	31	0.12
Group A streptococcal pharyngitis	740	751	767	589	2.27
Infectious gastroenteritis	1,821	1,694	1,591	1,303	5.03
Chickenpox	98	80	70	83	0.32
Hand, foot, and mouth disease	2	6	5	18	0.07
Erythema infectiosum	80	48	45	35	0.14
Exanthem subitum	105	125	124	90	0.35
Pertussis	1	4	1		
Herpangina	9	4	5	4	0.02
Mumps	121	127	121	109	0.42
Kawasaki disease	6	3	4	1	
Cold with exanthems	13	11	15	5	0.02
Influenza	9,499	8,065	6,138	3,848	9.34
Acute hemorrhagic conjunctivitis			1	2	0.05
Epidemic keratoconjunctivitis	7	17	15	14	0.36
Bacterial meningitis	1			1	0.04
Aseptic meningitis	2		2		
Mycoplasma pneumonia	6	10	13	5	0.20
Chlamydial pneumonia (excluding psittacosis)	3	3	1		
Infectious gastroenteritis (only by Rotavirus)	2	4	6	5	0.20
Influenza-Associated Hospitalizations	37	31	33	22	0.88

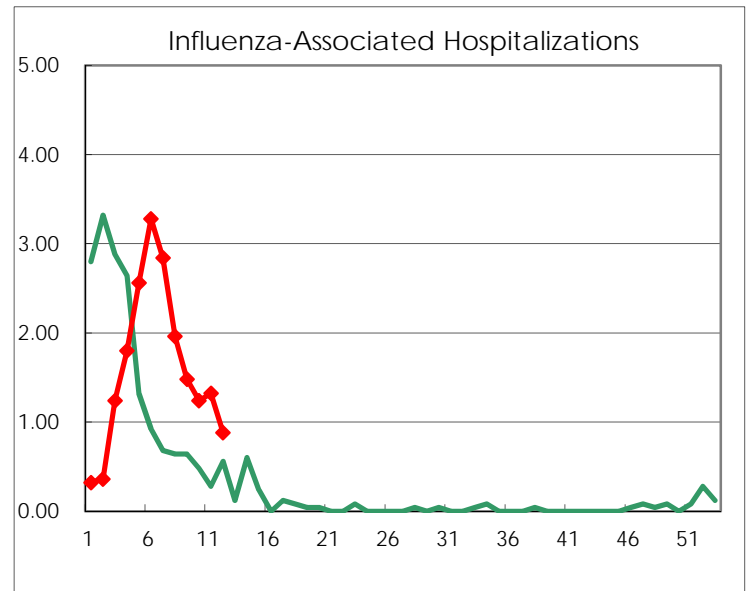
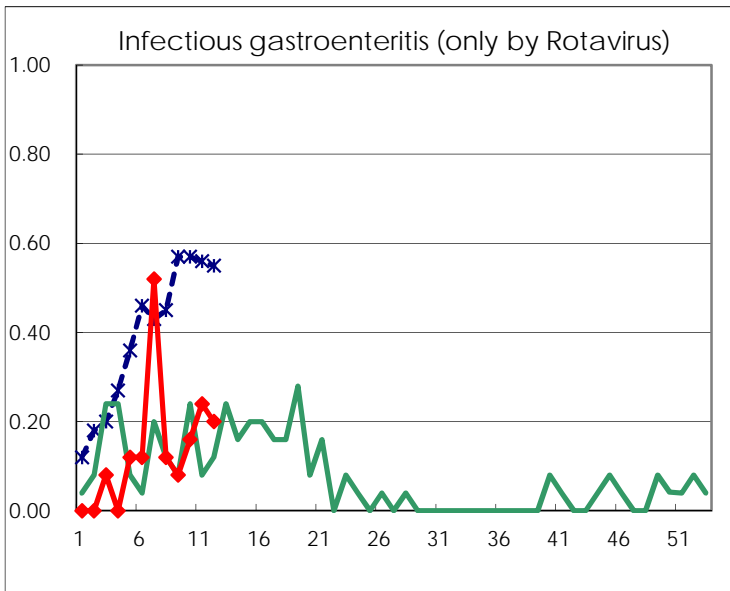
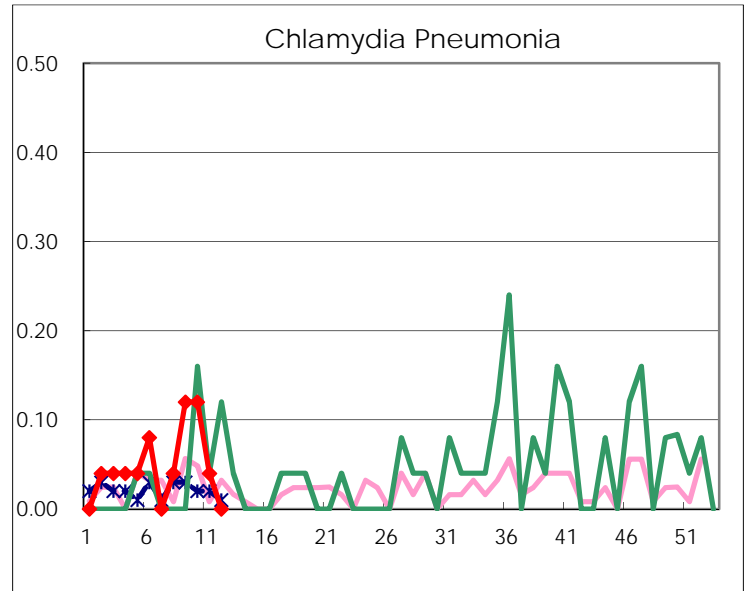
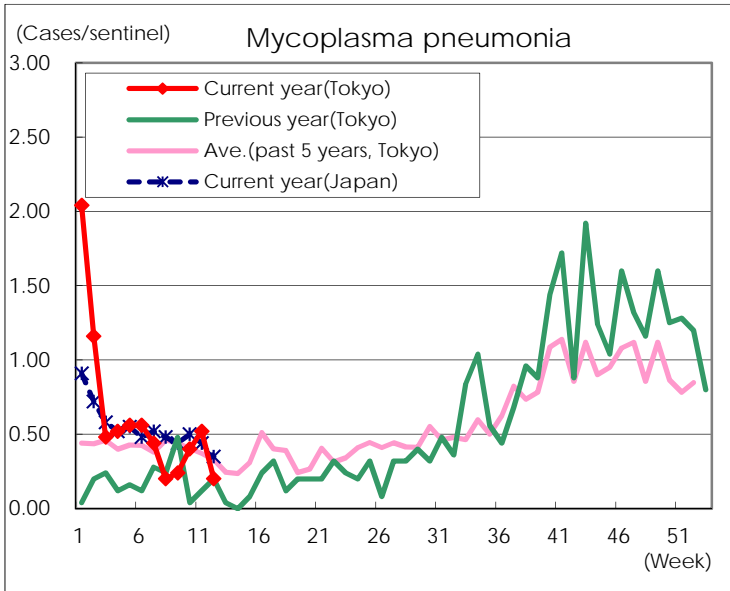
(Blank means 0.)

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	39
Specially-designated	25	25