

19 October 2017 / Number 41

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	
		38th	39th	40th	41st	Cum 2017	41st	Cum 2017
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	61	85	74	50	2,690	312	17,785
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
III	Avian influenza H5N1							
	Avian influenza H7N9							
	Cholera	1				2		7
	Shigellosis	1		1		29	1	121
	Enterohemorrhagic Escherichia coli infection	21	7	1	13	430	66	3,391
	Typhoid fever	1				8	1	31
IV	Paratyphoid fever					6		13
	Hepatitis E	1		2		49	5	253
	West Nile fever							
	Hepatitis A	1				54	2	228
	Echinococcosis					1		22
	Yellow fever							
	Psittacosis							10
	Omsk hemorrhagic fever							
	Relapsing fever			1		2	1	8
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis					1		1
	Monkeypox							
	Zika virus infection							3
	Severe Fever with Thrombocytopenia Syndrome							81
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							2
	Anthrax							
	Chikungunya fever					2		3
	Scrub typhus(Tsutsugamushi disease)					3		114
	Dengue fever	2	2	1		57	3	205
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever					1	15	283
	Japanese encephalitis							1
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							1
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism					1		3
	Malaria			1		22	1	47
	Tularemia							
	Lyme disease					1		18
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis					1		1
	Legionellosis	2	4	5	6	125	41	1,367
	Leptospirosis				1	7	3	35
	Rocky mountain spotted fever							

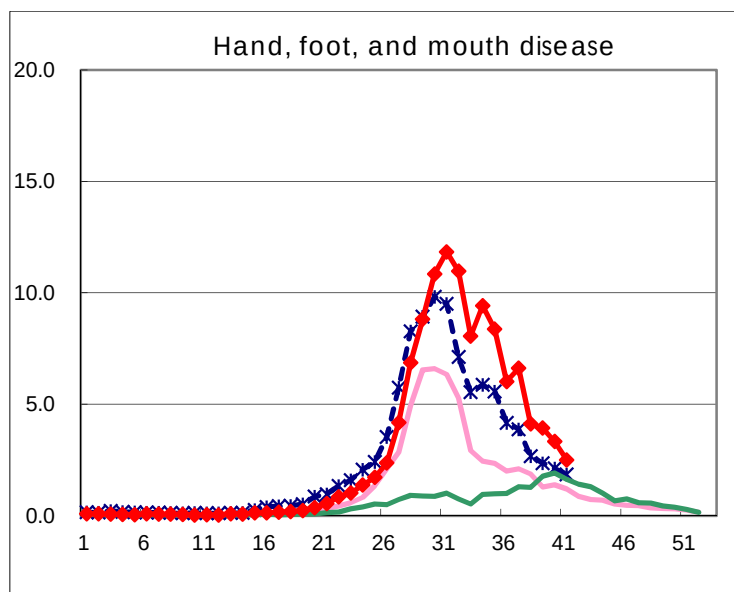
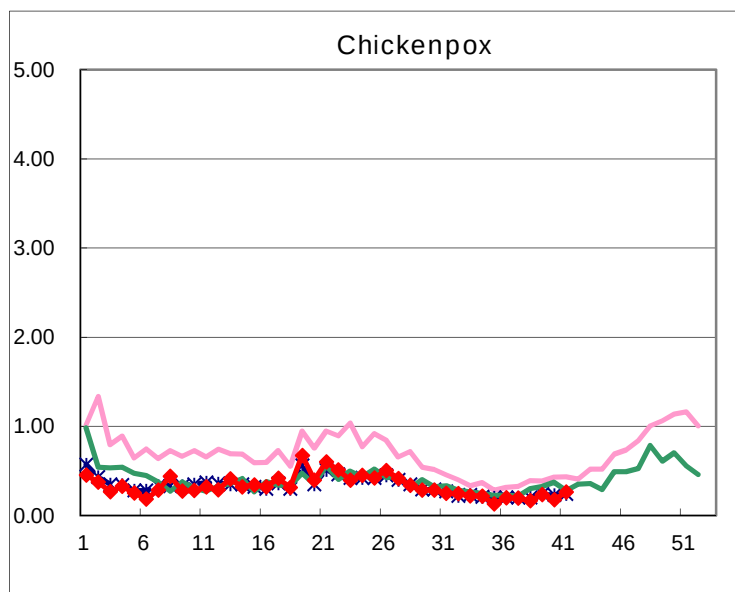
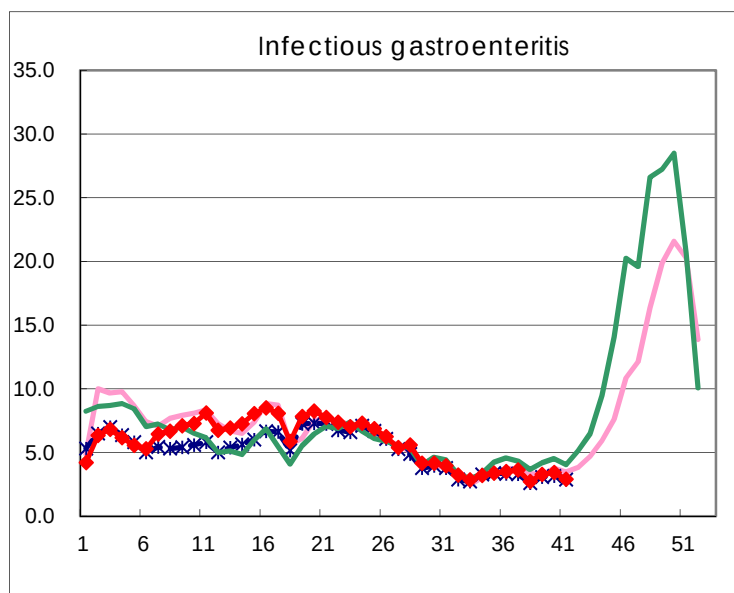
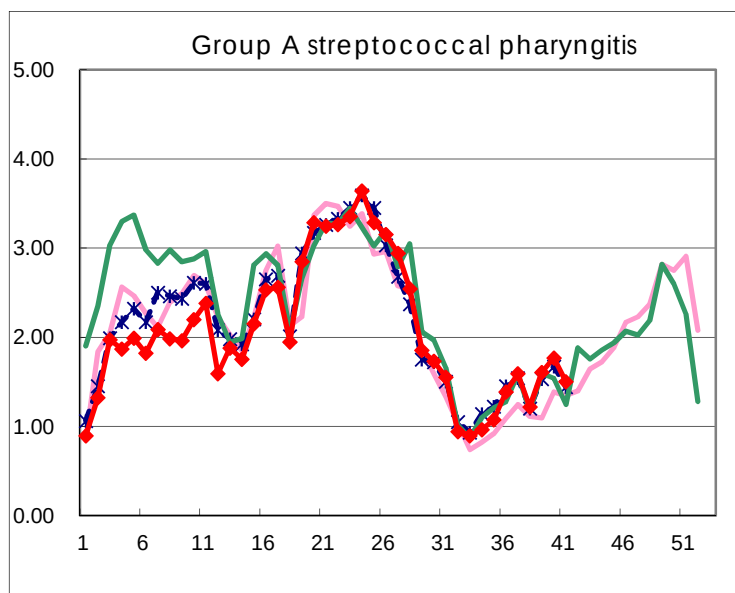
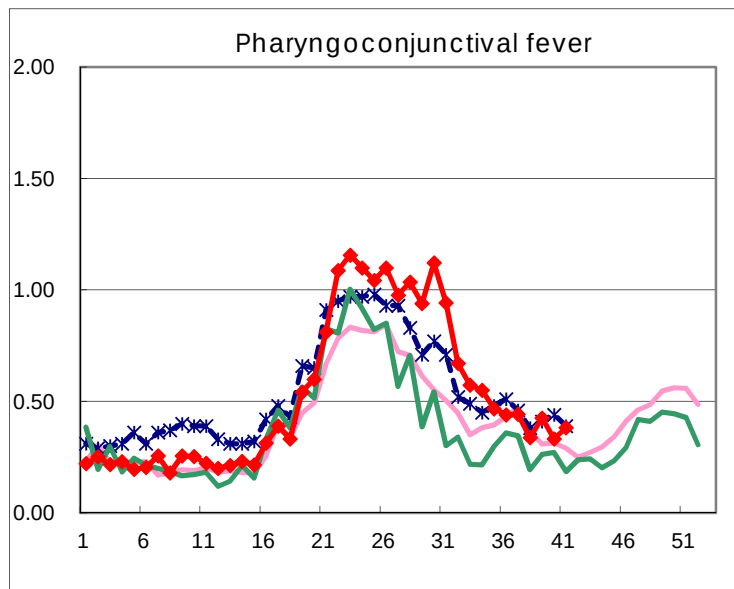
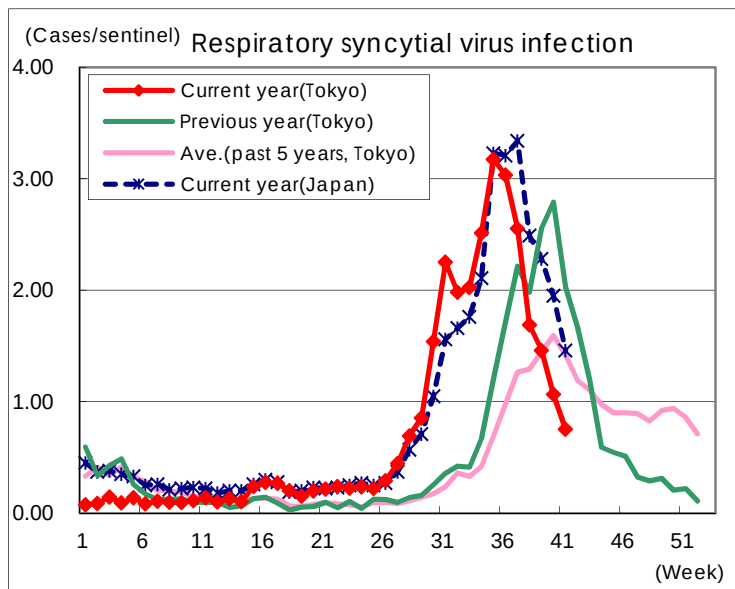
Category	Diseases	Tokyo					Japan	
		38th	39th	40th	41st	Cum 2017	41st	Cum 2017
V	Amebiasis	1	4	10	5	167	8	845
	Viral hepatitis(excluding hepatitis A and E)	3		1	1	50	2	231
	CRE infection	4	4	5	5	166	25	1,281
	Acute encephalitis(excluding JE and WNE)	2	1	2	1	59	7	554
	Cryptosporidiosis					1		10
	Creutzfeldt-Jakob disease					13	2	158
	Severe invasive streptococcal infections(TSLS)		3	1		57	3	430
	Acquired immunodeficiency syndrome (AIDS)	5	11	5	9	367	21	1,085
	Giardiasis					22		46
	Invasive <i>Haemophilus influenzae</i> disease			3		44	3	285
	Invasive meningococcal disease				1	3	3	23
	Invasive pneumococcal disease	4	5	5	3	317	24	2,493
	Varicella (limited to hospitalized case)			3	3	43	8	243
	Congenital rubella syndrome						1	1
	Syphilis	17	51	27	24	1,407	62	4,465
	Disseminated cryptococcosis	1				11	3	105
	Tetanus					4		104
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection					7	1	66
	Rubella	1			1	21	3	75
	Measles		1	1		28	2	188
	MDRA infection			1		3	1	19

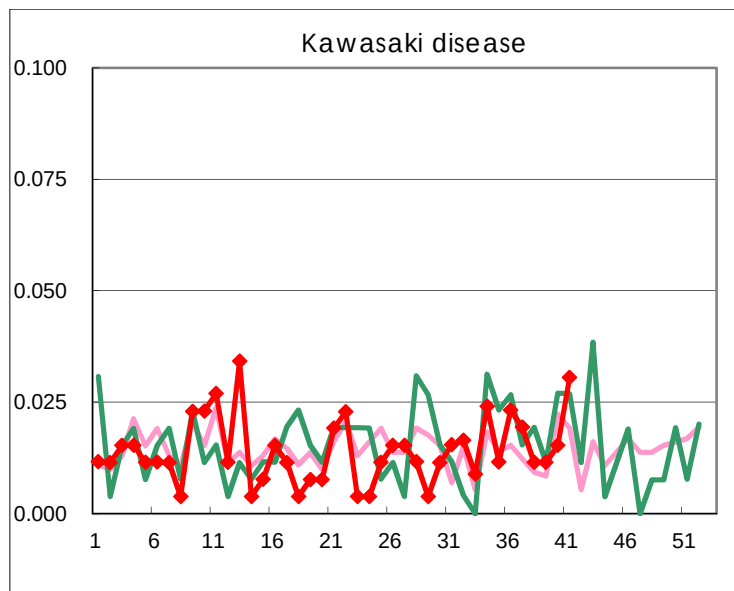
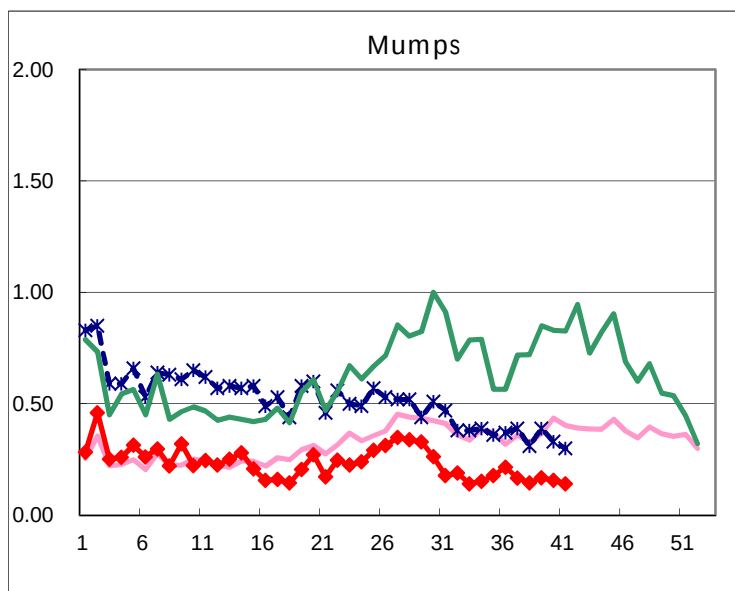
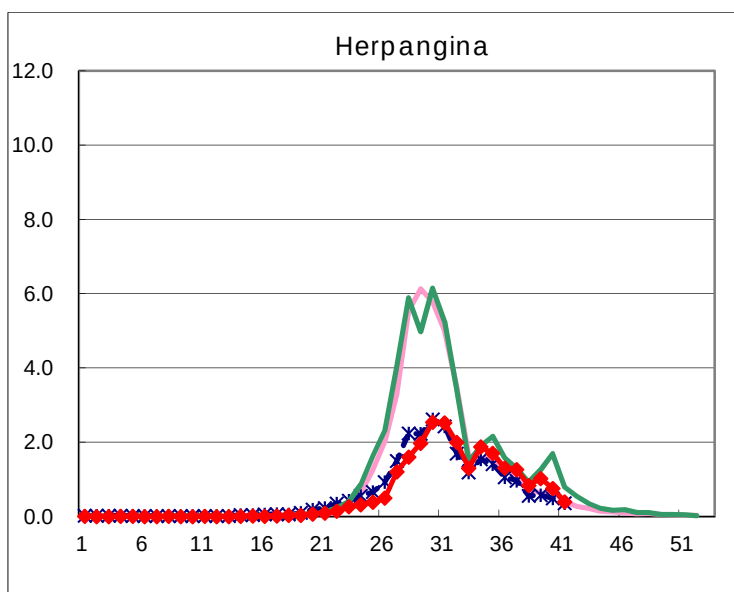
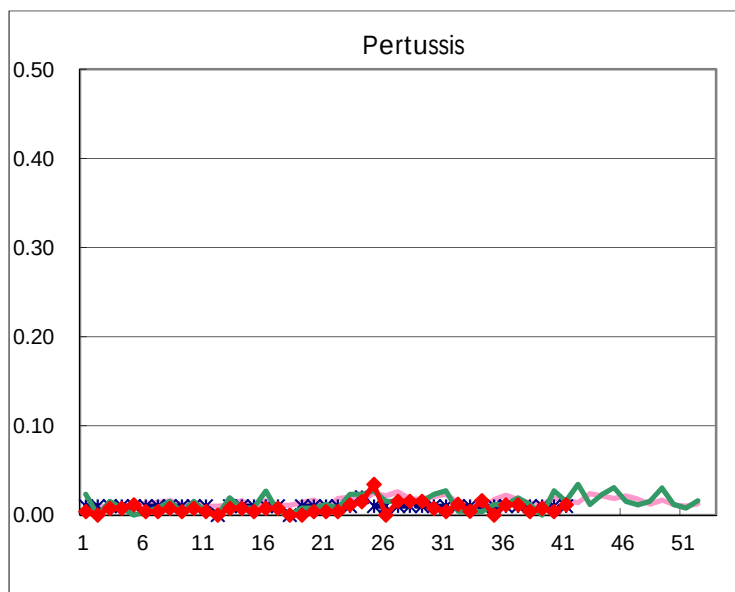
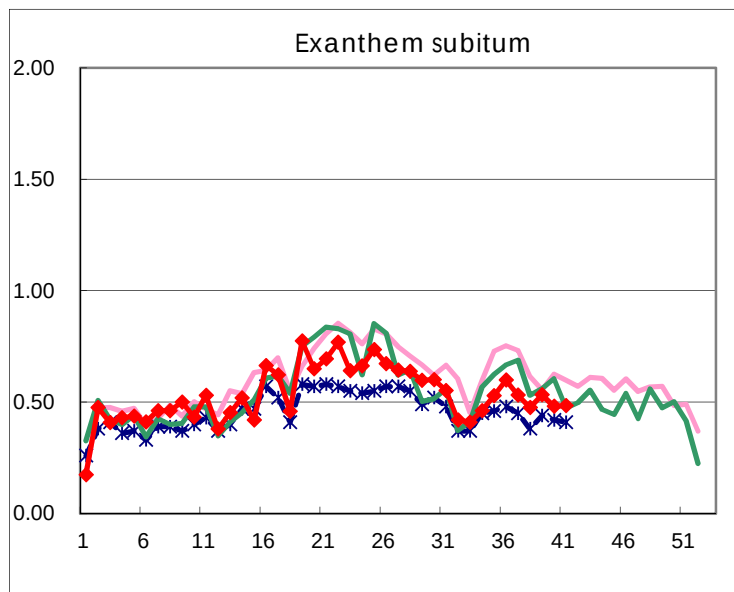
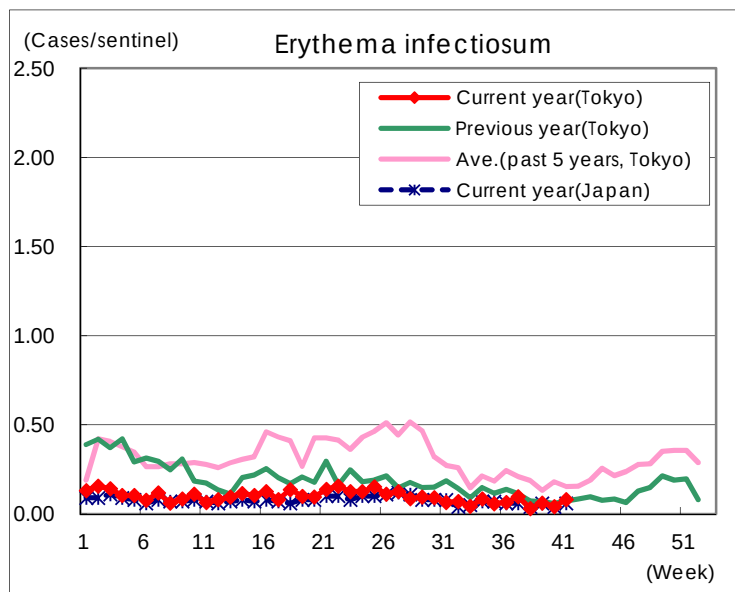
Number of patients with the diseases to be reported
by the designated clinics and hospitals

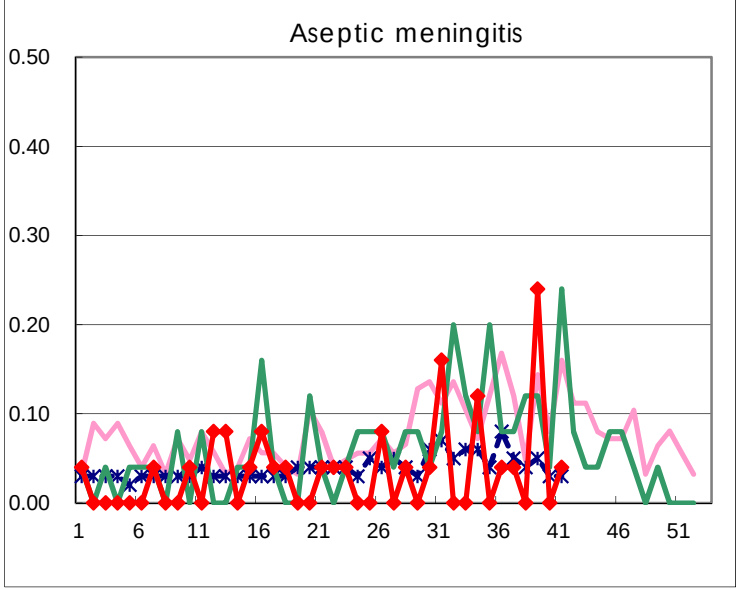
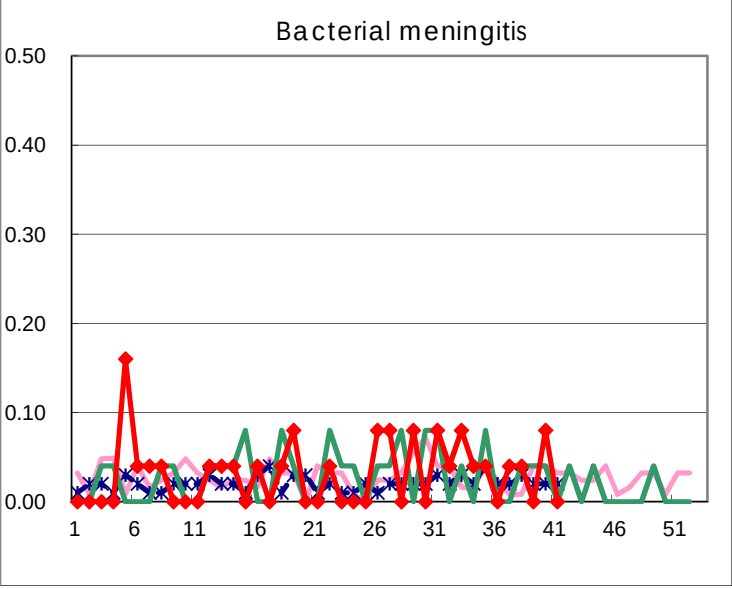
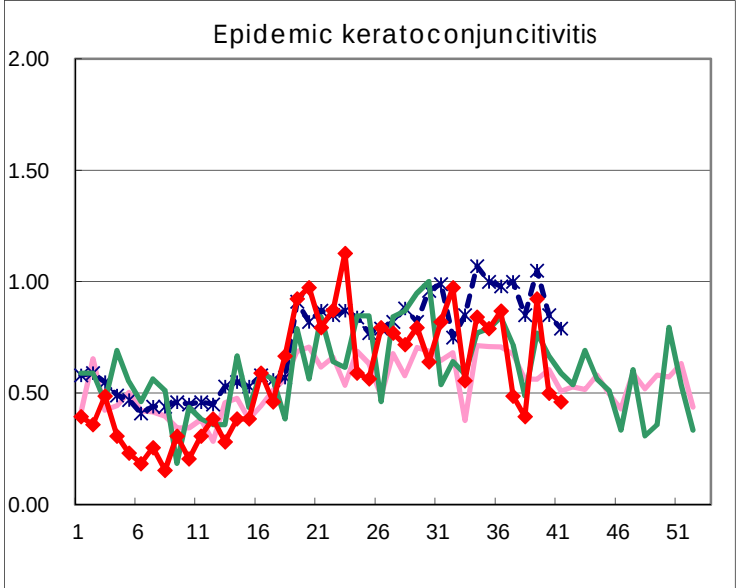
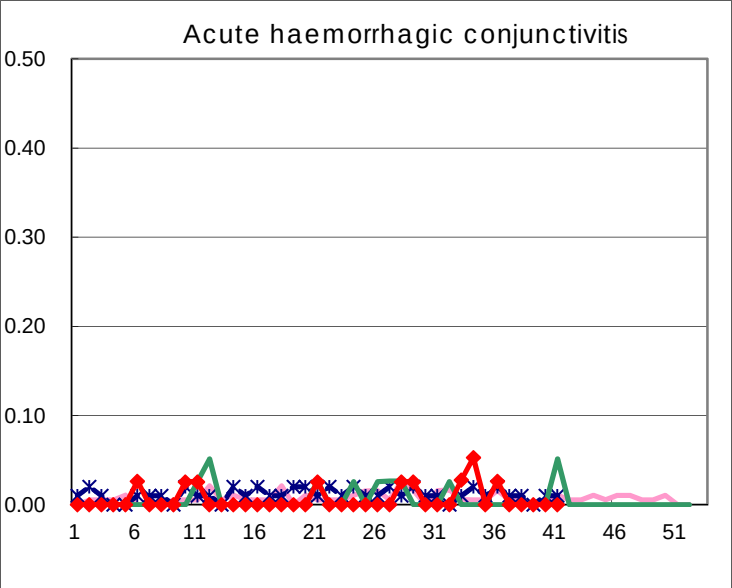
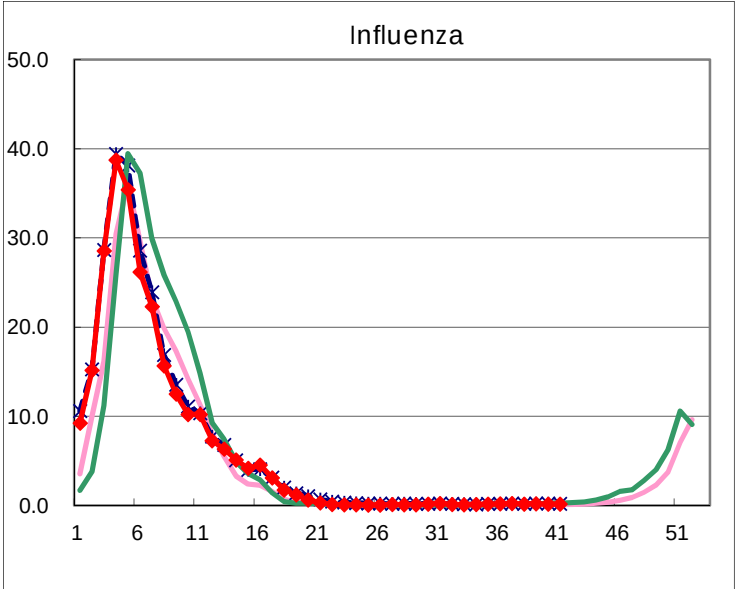
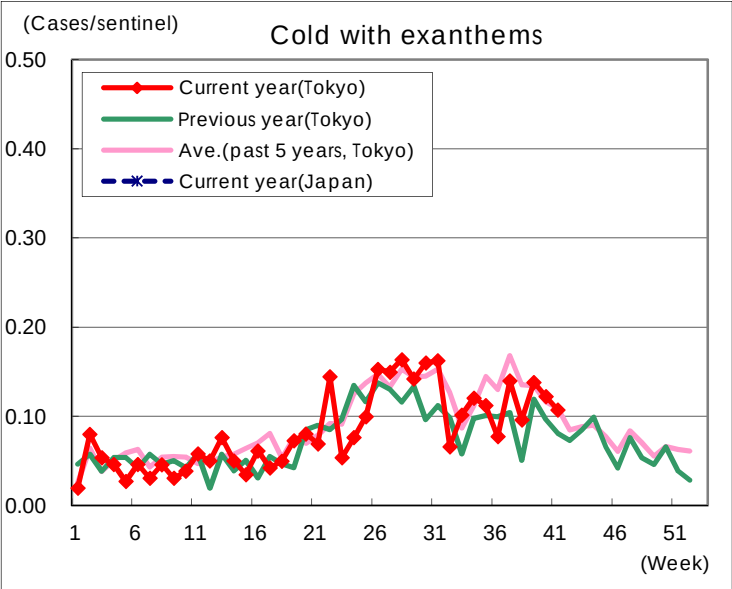
Diseases	Tokyo				
	38th	39th	40th	41st	/sentinel
Respiratory syncytial virus infection	441	381	279	197	0.75
Pharyngoconjunctival fever	88	111	87	100	0.38
Group A streptococcal pharyngitis	318	419	463	393	1.50
Infectious gastroenteritis	710	856	895	755	2.88
Chickenpox	43	61	46	69	0.26
Hand, foot, and mouth disease	1,075	1,026	872	656	2.50
Erythema infectiosum	8	16	11	21	0.08
Exanthem subitum	124	139	126	127	0.48
Pertussis	1	2	1	3	0.01
Herpangina	219	268	198	105	0.40
Mumps	38	44	41	37	0.14
Kawasaki disease	3	3	4	8	0.03
Cold with exanthems	25	36	32	28	0.11
Influenza	67	79	56	68	0.16
Acute hemorrhagic conjunctivitis					
Epidemic keratoconjunctivitis	15	36	19	18	0.46
Bacterial meningitis	1		2		
Aseptic meningitis		6		1	0.04
<i>Mycoplasma pneumonia</i>	4	6	1	9	0.36
<i>Chlamydial pneumonia</i> (excluding psittacosis)			2		
Infectious gastroenteritis (only by Rotavirus)					
Influenza-Associated Hospitalizations	3	3			

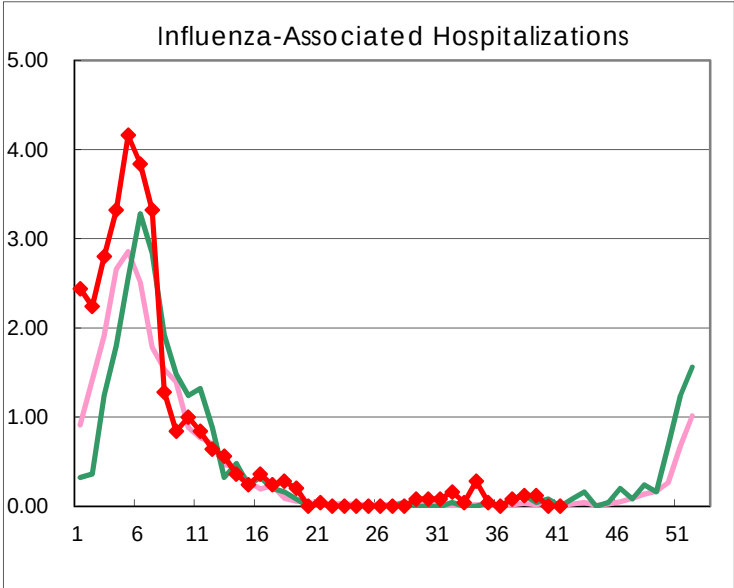
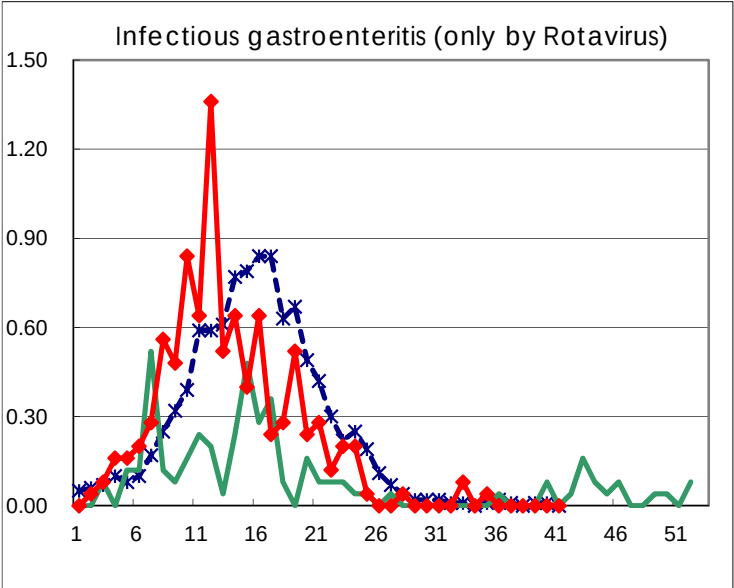
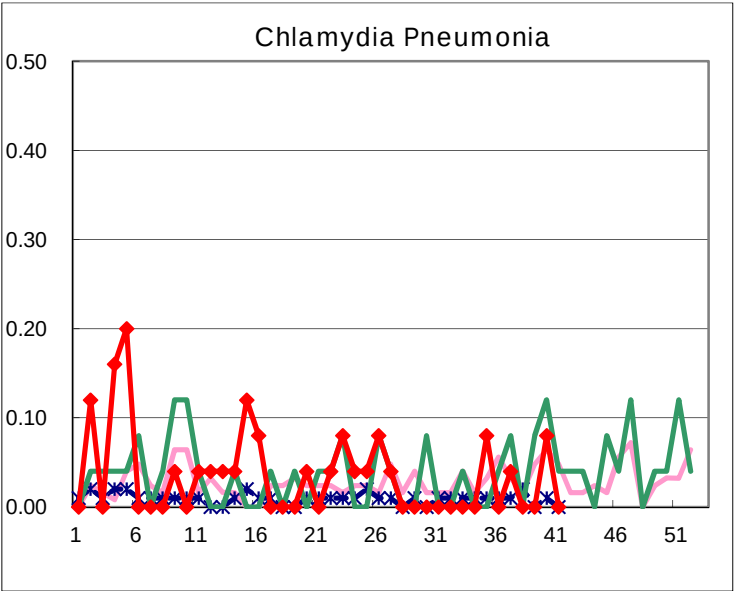
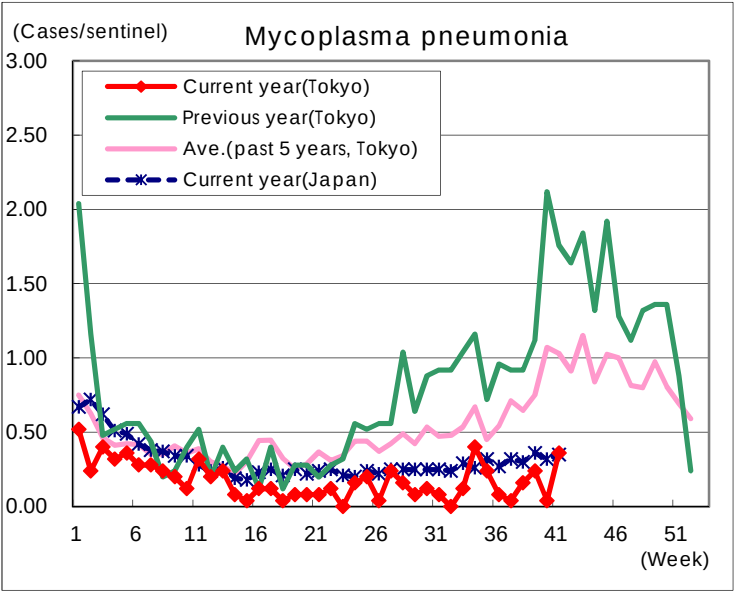
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	262
Influenza	419	417
Ophthalmic	39	39
Specially- designated	25	25