

9 January 2018 / Number 52

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	
		49th	50th	51st	52nd	Cum 2017	52nd	Cum 2017
I	Ebola hemorrhagic fever							
	Crimean-Congo hemorrhagic fever							
	Smallpox							
	South American hemorrhagic fever							
	Plague							
	Marburg disease							
II	Lassa fever							
	Acute poliomyelitis							
	Tuberculosis	51	61	62	79	3,464	341	22,806
	Diphtheria							
	Severe Acute Respiratory Syndrome(SARS)							
	Middle East Respiratory Syndrome (MERS)							
	Avian influenza H5N1							
III	Avian influenza H7N9							
	Cholera					2		7
	Shigellosis			1		34		141
	Enterohemorrhagic Escherichia coli infection			1	2	467	15	3,890
	Typhoid fever					8		37
IV	Paratyphoid fever					6		14
	Hepatitis E			3		57	2	303
	West Nile fever							
	Hepatitis A			3	1	65	8	282
	Echinococcosis					1		26
	Yellow fever							
	Psittacosis							15
	Omsk hemorrhagic fever							
	Relapsing fever					2		8
	Kyasanur forest disease							
	Q fever							
	Rabies							
	Coccidioidomycosis					1	1	4
	Monkeypox							
	Zika virus infection							5
	Severe Fever with Thrombocytopenia Syndrome							90
	Hemorrhagic fever with renal syndrome							
	Western equine encephalitis							
	Tick-borne encephalitis							2
	Anthrax							
	Chikungunya fever		1			3		5
	Scrub typhus(Tsutsugamushi disease)		2	1	3	13	20	439
	Dengue fever					65	1	245
	Eastern equine encephalitis							
	Avian influenza (excluding H5N1 and H7N9)							
	Nipah virus infection							
	Japanese spotted fever					1	3	337
	Japanese encephalitis							3
	Hantavirus pulmonary syndrome							
	Herpes B virus infection							
	Glanders							
	Brucellosis							2
	Venezuelan equine encephalitis							
	Hendra virus infection							
	Epidemic typhus							
	Botulism	1				2		4
	Malaria	1				27		61
	Tularemia							
	Lyme disease					1		19
	Lyssavirus infection(excluding rabies)							
	Rift valley fever							
	Melioidosis					1		1
	Legionellosis	3	5	1	2	159	21	1,722
	Leptospirosis					9		47
	Rocky mountain spotted fever							

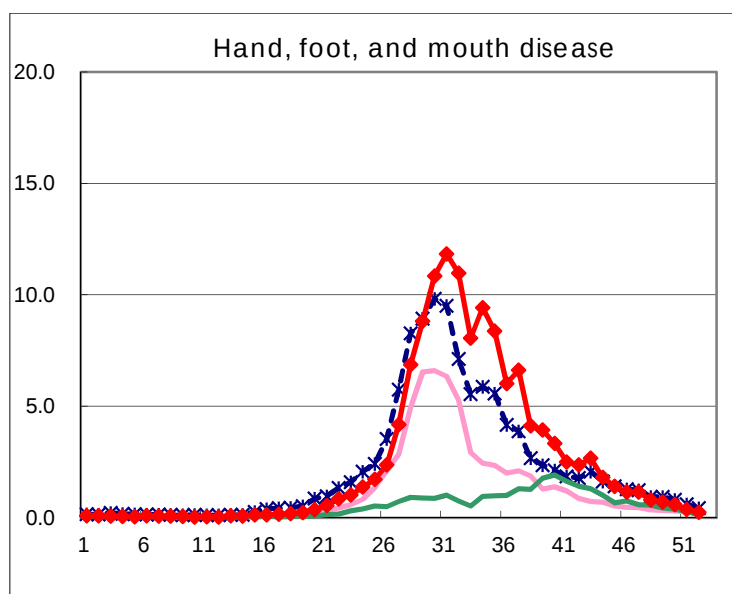
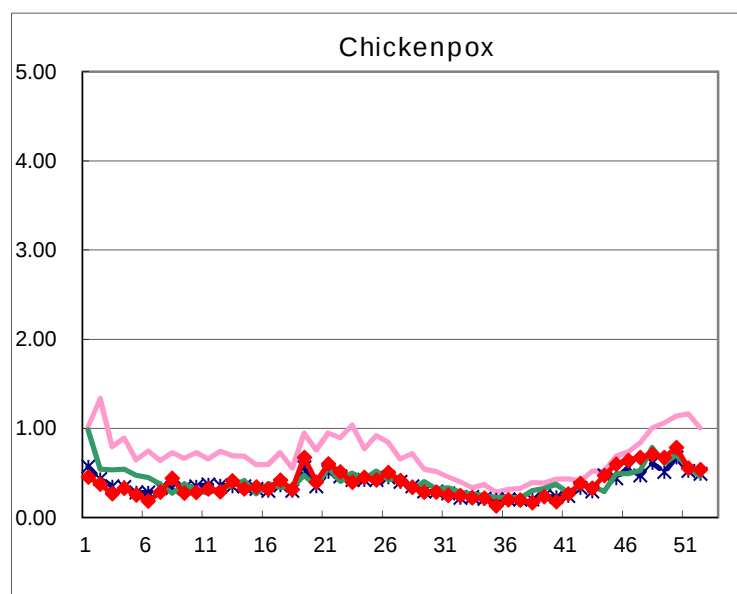
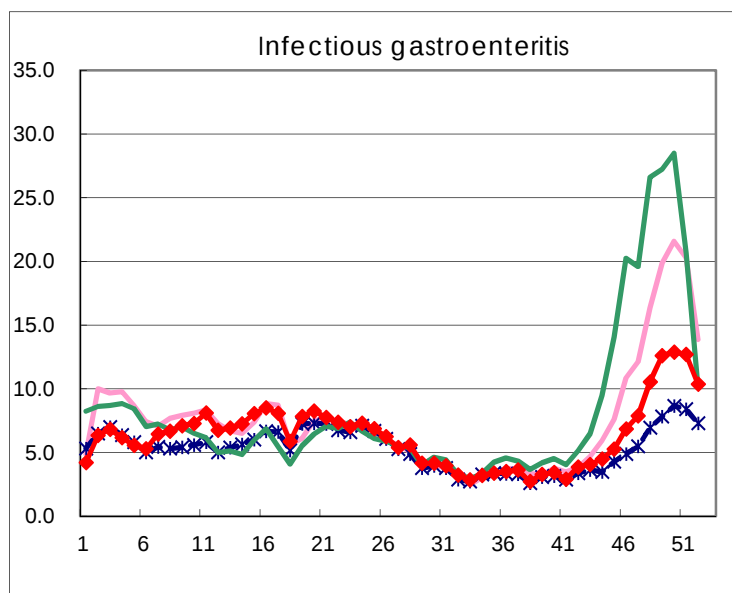
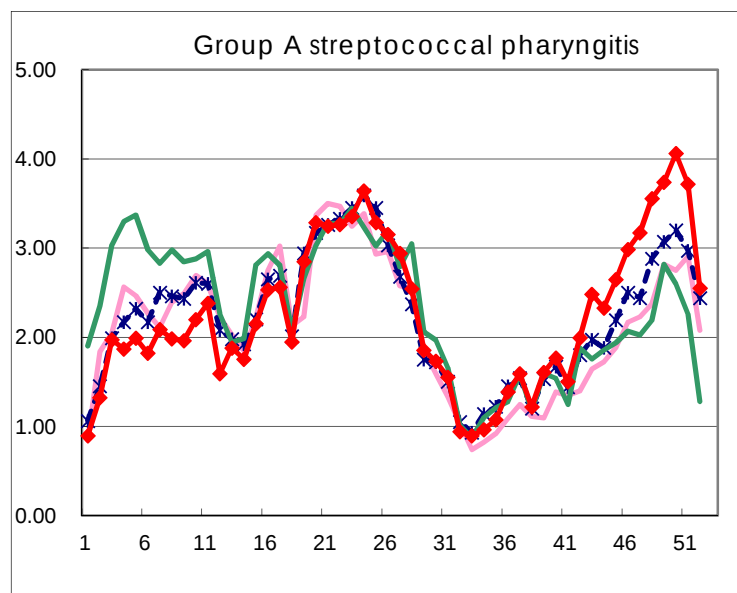
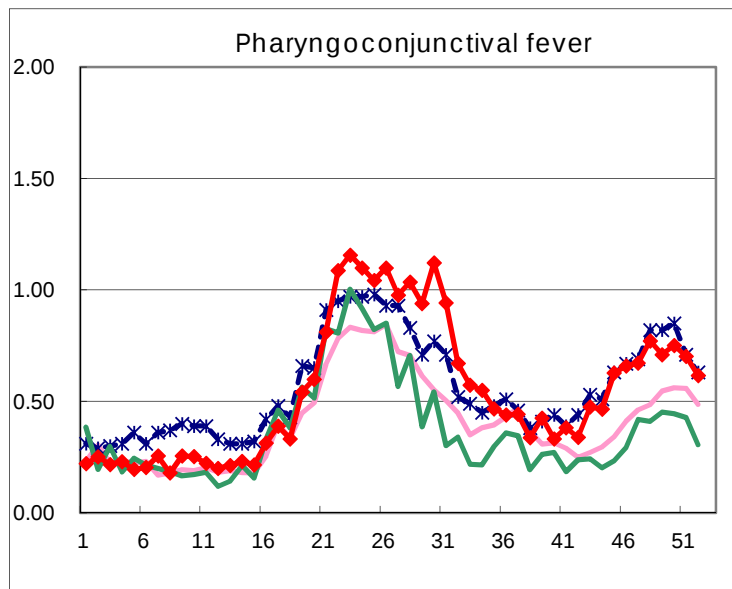
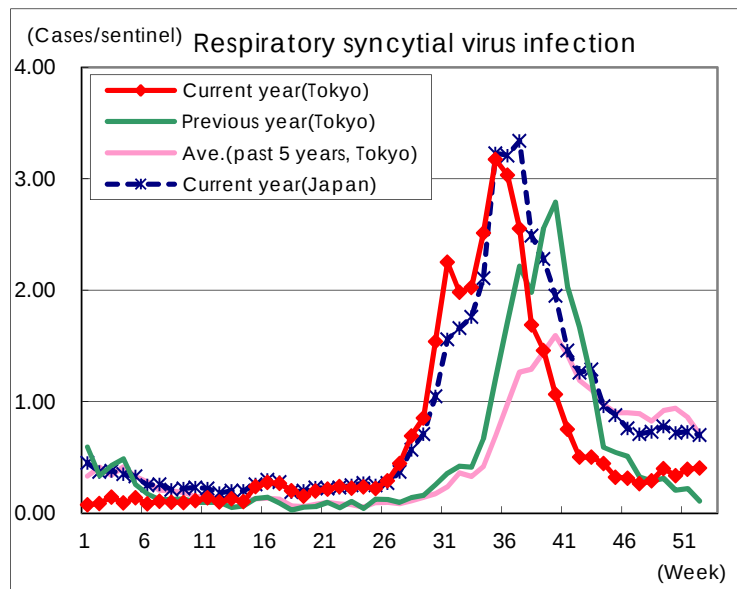
Category	Diseases	Tokyo					Japan	
		49th	50th	51st	52nd	Cum 2017	52nd	Cum 2017
V	Amebiasis	4	4	4	4	219	16	1,077
	Viral hepatitis(excluding hepatitis A and E)	3	1	2	1	67	1	289
	CRE infection	7	1		4	211	18	1,634
	Acute encephalitis(excluding JE and WNE)	2	3	2	4	74	12	688
	Cryptosporidiosis					2		19
	Creutzfeldt-Jakob disease	3				19	3	198
	Severe invasive streptococcal infections(TSLS)	1	2	3		72	10	573
	Acquired immunodeficiency syndrome (AIDS)	9	6	9	7	464	11	1,374
	Giardiasis		1			24		60
	Invasive <i>Haemophilus influenzae</i> disease	1	1	2	2	56	5	370
	Invasive meningococcal disease					3	1	25
	Invasive pneumococcal disease	11	7	5	6	390	45	3,145
	Varicella (limited to hospitalized case)		1		1	55	4	309
	Congenital rubella syndrome							
	Syphilis	40	39	27	37	1,788	76	5,770
	Disseminated cryptococcosis			1		15	3	134
	Tetanus	1	1			9		124
	Vancomycin-resistant <i>S. aureus</i> infection							
	Vancomycin-resistant <i>Enterococcus</i> infection		1			8	2	80
	Rubella					22	2	93
	Measles					28		189
	MDRA infection	1				6	1	28

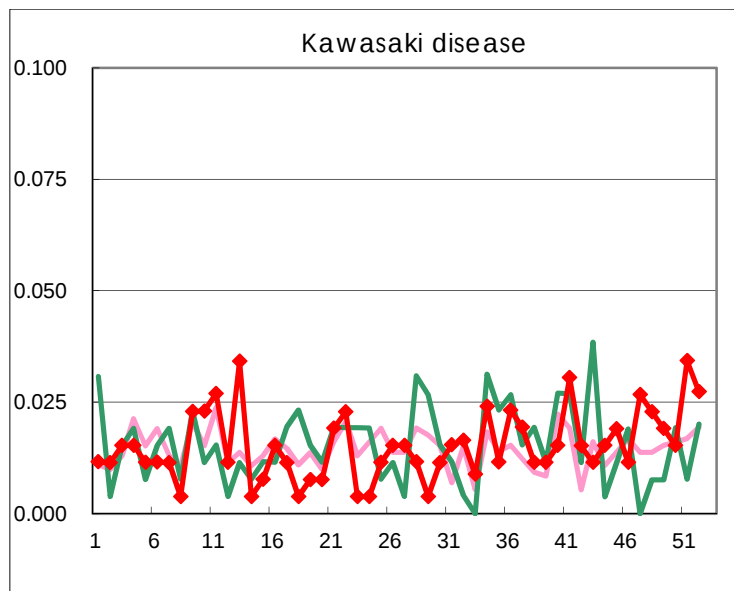
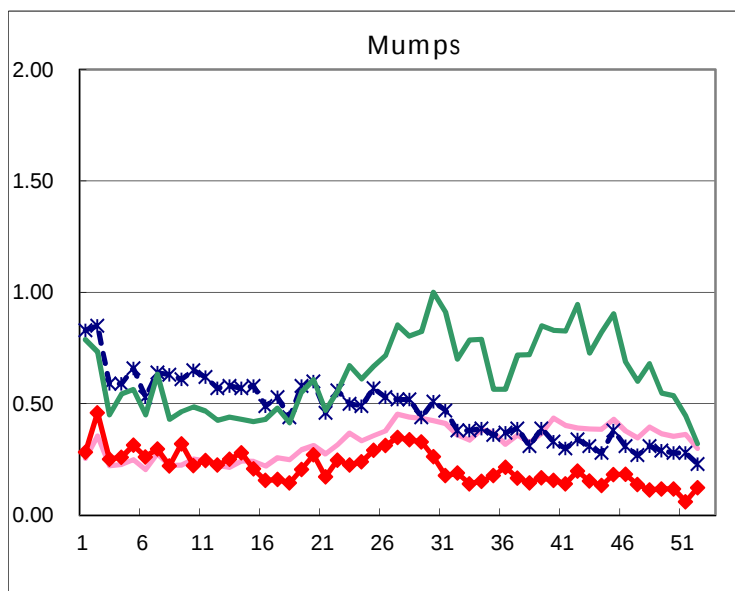
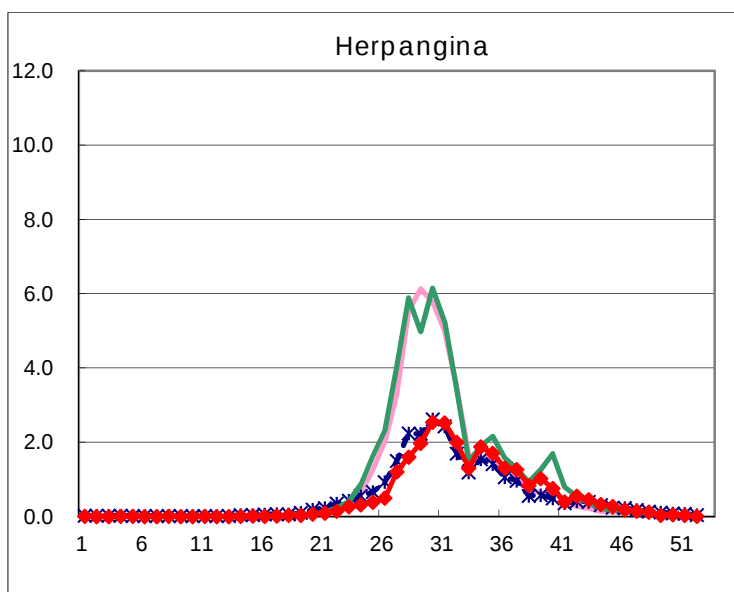
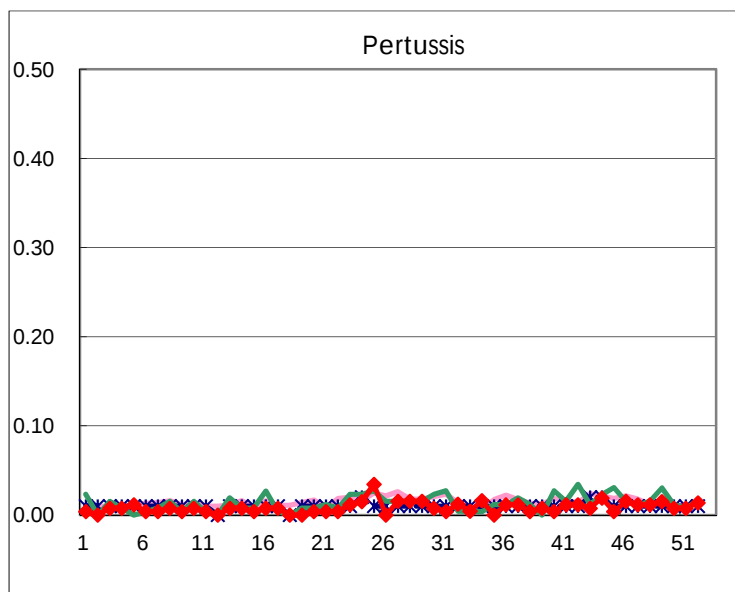
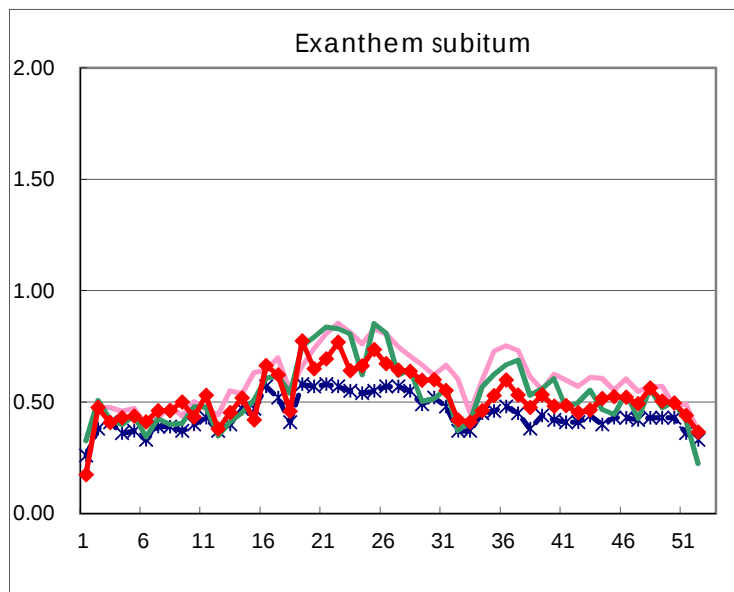
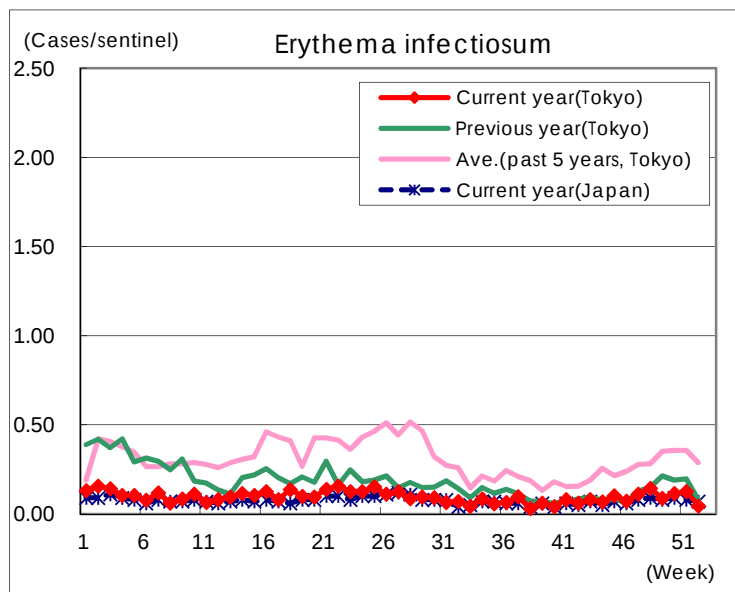
Number of patients with the diseases to be reported
by the designated clinics and hospitals

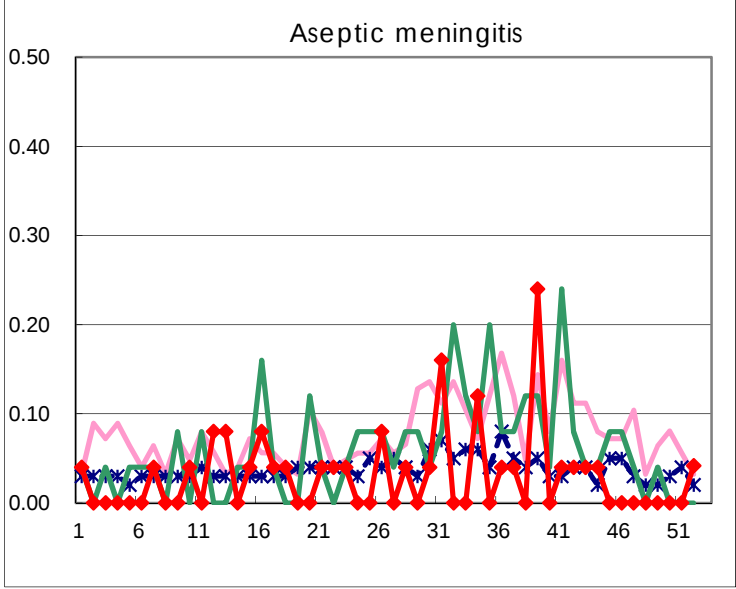
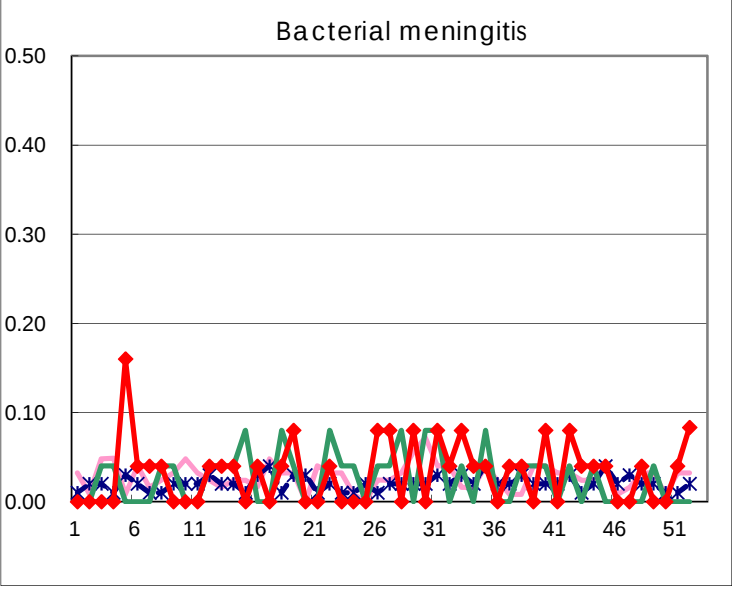
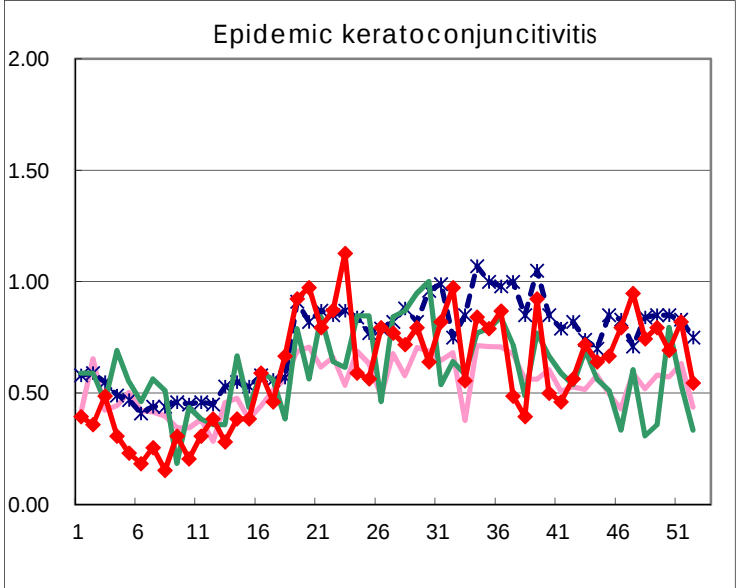
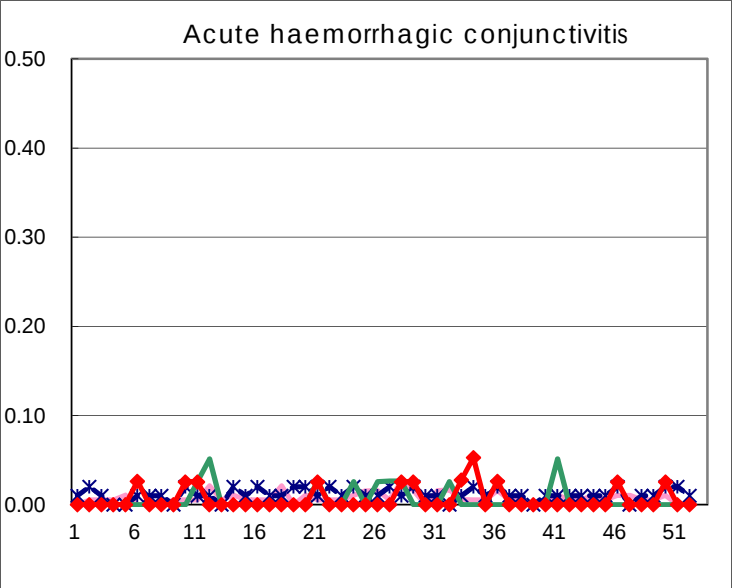
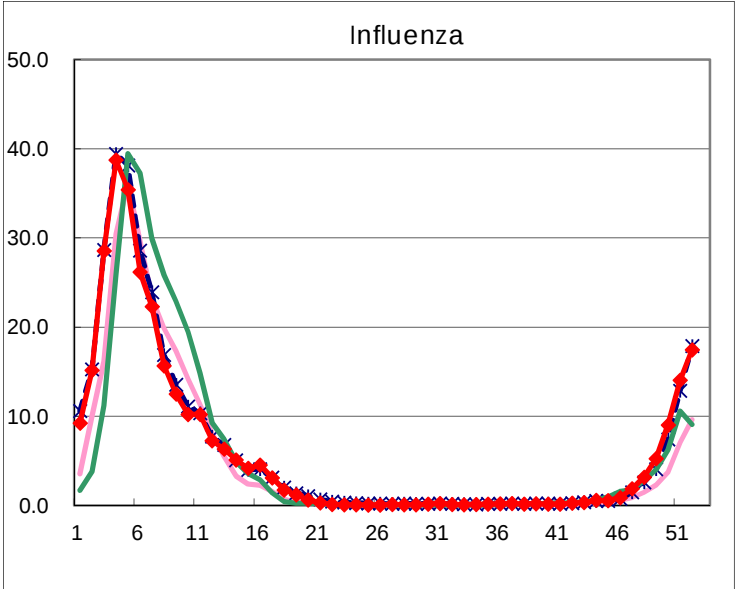
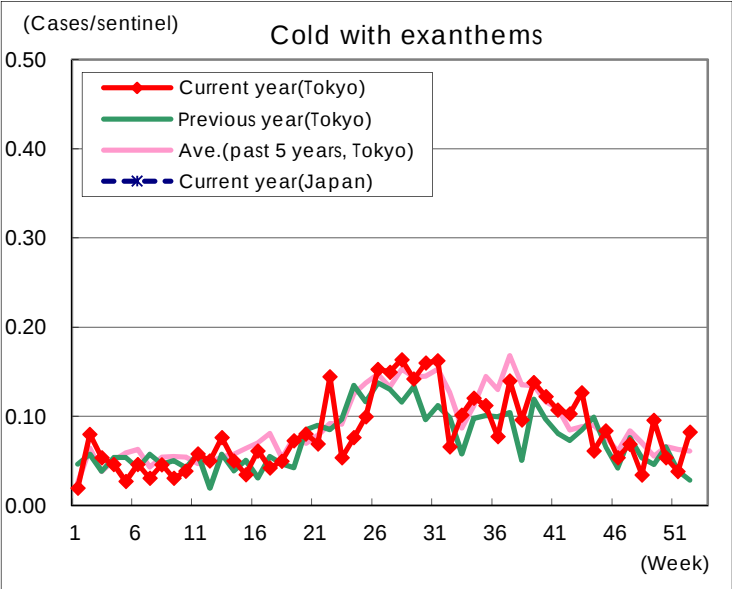
Diseases	Tokyo				
	49th	50th	51st	52nd	/sentinel
Respiratory syncytial virus infection	105	88	103	89	0.41
Pharyngoconjunctival fever	186	197	184	135	0.62
Group A streptococcal pharyngitis	979	1,064	974	558	2.55
Infectious gastroenteritis	3,302	3,374	3,324	2,268	10.36
Chickenpox	176	205	145	117	0.53
Hand, foot, and mouth disease	184	153	97	54	0.25
Erythema infectiosum	23	30	33	10	0.05
Exanthem subitum	132	130	115	80	0.37
Pertussis	4	2	2	3	0.01
Herpangina	10	14	10	2	0.01
Mumps	31	31	16	27	0.12
Kawasaki disease	5	4	9	6	0.03
Cold with exanthems	25	14	10	18	0.08
Influenza	2,189	3,756	5,821	6,270	17.47
Acute hemorrhagic conjunctivitis		1			
Epidemic keratoconjunctivitis	31	27	32	18	0.55
Bacterial meningitis			1	2	0.08
Aseptic meningitis				1	0.04
<i>Mycoplasma pneumonia</i>	1	4	2	6	0.25
<i>Chlamydial pneumonia</i> (excluding psittacosis)	1			2	0.08
Infectious gastroenteritis (only by Rotavirus)		1			
Influenza-Associated Hospitalizations	12	21	41	49	2.04

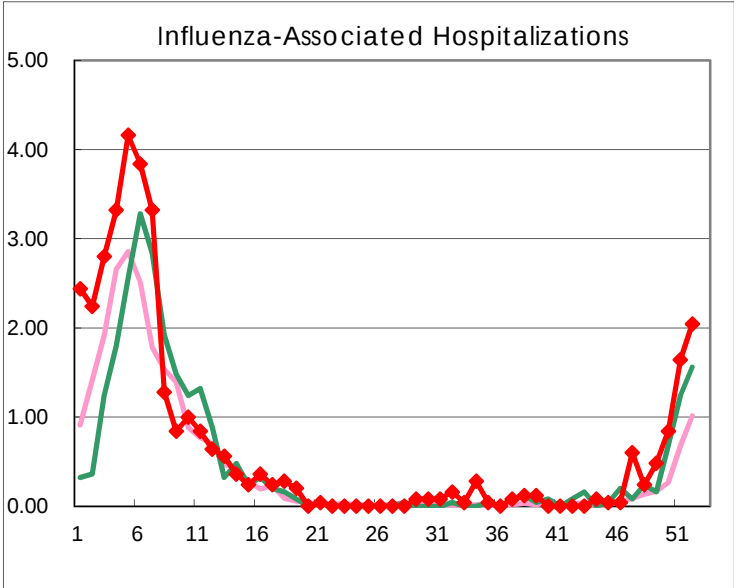
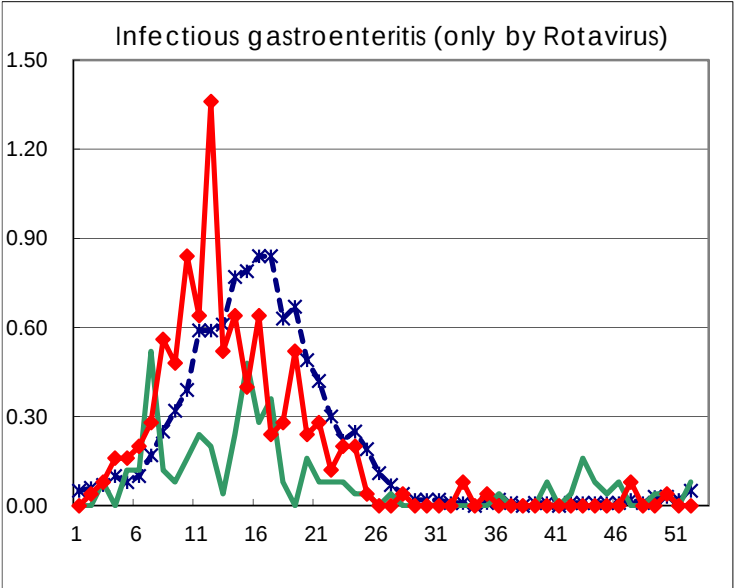
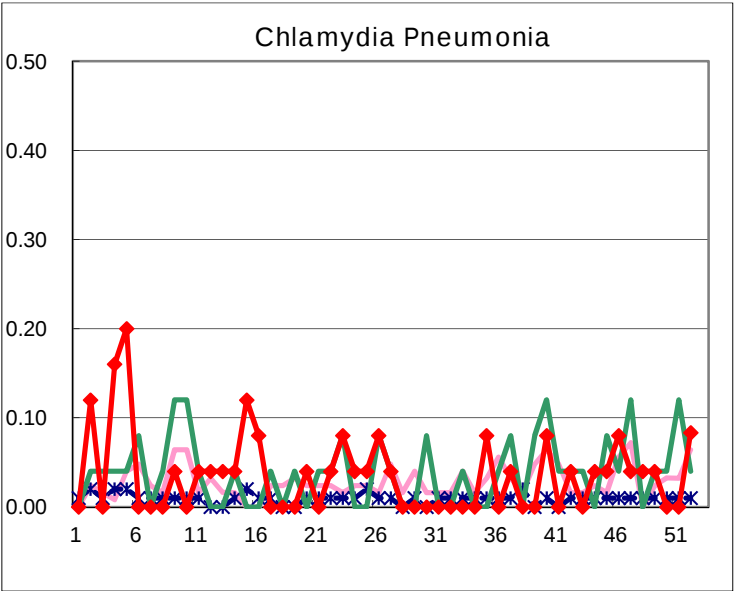
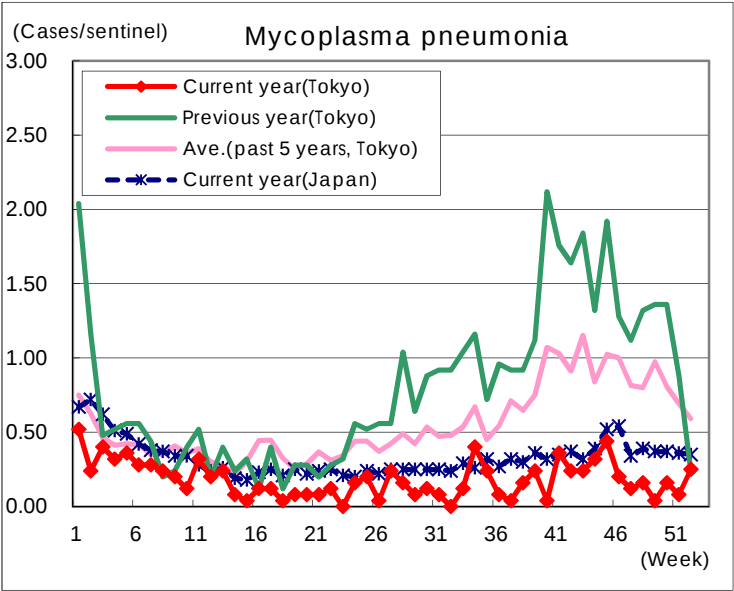
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Disease Trend Graph (weekly reported cases per sentinel in comparison)









Number of sentinel facilities for weekly reporting		
Types of sentinels	Number of sentinels	Sentinels having reported
Pediatric	264	219
Influenza	419	359
Ophthalmic	39	33
Specially-designated	25	24