

## MSDS Link for Infectious Substances

S.No.	Infectious Substances	Cross Reference
1	<a href="#">Actinobacillus spp.</a>	Actinomycetemcomitans Localized juvenile periodontitis
2	<a href="#">Actinomyces spp.</a>	A. israelii A. naeslundii A. meyeri A. odontolyticus Propionibacterium propionicum
3	<a href="#">Adenovirus types 40 and 41</a>	Adv 40 Adv 41 Mastadenovirus h40 Mastadenovirus h41 Subgenus F Enteric adenovirus
4	<a href="#">Adenovirus</a>	ARD Pharyngoconjunctival fever
5	<a href="#">Aerococcus spp.</a>	A. viridans A. urinae A. christensenii
6	<a href="#">Aeromonas hydrophila</a>	Aeromonads
7	<a href="#">Ancylostoma duodenale</a>	Hookworm disease Ancylostomiasis Ground itch
8	<a href="#">Angiostrongylus cantonensis</a>	Parastrongylus cantonensis Angiostrongyliasis Eosinophilic meningoencephalitis Eosinophilic meningitis
9	<a href="#">Ascaris lumbricoides</a>	Ascariasis Roundworm infection Ascariidiasis
10	<a href="#">Ascaris spp</a>	Ascariasis Roundworm infection
11	<a href="#">Aspergillus spp</a>	Aspergillus fumigatus A. niger A. flavus Aspergillosis Farmer's lung
12	<a href="#">Bacillus anthracis</a>	Anthrax Woolsorters' disease
13	<a href="#">Bacillus cereus</a>	Bacillus cereus food poisoning

14	<a href="#">Bacteroides spp</a>	B. fragilis
		B. ureolyticus
		B. capillosus
		B. bivius
		B. disiens
		B. vulgatus
		B. thetaiotaomicron
		B. ovatus
		B. distasonis
		B. splanchnicus
		B. forsythus
		B. tectum
		Prevotella intermedia
		B. asaccharolyticus
		Prevotella gingivalis
15	<a href="#">Balantidium coli</a>	Balantidiosis
		Balantidiasis
		Balantidial dysentery
16	<a href="#">Bartonella bacilliformis</a>	Bartonellosis
		Oroya fever
		Verruga peruana
		Carrion's disease
17	<a href="#">Blastomyces dermatitidis</a>	Blastomycosis
		Gilchrist's disease
18	<a href="#">Bluetongue virus</a>	
19	<a href="#">Bordetella bronchiseptica</a>	Bacillus bronchiseptica
		Brucella bronchiseptica
		Hemophilus bronchiseptica
		Kennel cough (in dogs),
		Atrophic rhinitis (in swine)
20	<a href="#">Bordetella pertussis</a>	Whooping cough
		B. parapertussis
21	<a href="#">Borrelia burgdorferi</a>	Lyme disease
		Lyme borreliosis
		Erythema migrans (EM) with polyarthritis
		Lyme arthritis
		Tickborne meningopolyneuritis
22	<a href="#">Branhamella catarrhalis</a>	Neisseria catarrhalis
		Moraxella catarrhalis
23	<a href="#">Brucella spp</a>	Brucellosis
		Undulant fever
		Bang's disease
		Malta fever
		Mediterranean fever
24	<a href="#">Brugia spp</a>	Brugia malayi

		B. timori
		Filariasis
		Brugian filariasis
		Malayan filariasis
		Timorean filariasis
25	<a href="#">Burkholderia (Pseudomonas) pseudomallei</a>	Melioidosis
		Whitmore disease
26	<a href="#">Burkholderia (Pseudomonas) mallei</a>	Glanders
		Malleomyces mallei
		Farcy
		Malleus
27	<a href="#">California serogroup</a>	Arbovirus
		Mosquito-borne encephalitis
		California encephalitis
		Jamestown Canyon
		Snowshoe hare
		Guaroa
		Inkoo
		Tahyna
		Trivittatus
28	<a href="#">Campylobacter jejuni</a>	Campylobacter enteritis
		Vibrionic enteritis
		Traveller's diarrhea
29	<a href="#">Campylobacter fetus ssp.</a>	C. fetus ssp. intestinalis
		Vibrio fetus var. intestinalis
30	<a href="#">Candida albicans</a>	Candidiasis
		Thrush
		Moniliasis
31	<a href="#">Capnocytophaga spp.</a>	C. gingivalis
		C. haemolytica,
		C. sputigena
		C. ochracea
		Bacteroides ochraceus
32	<a href="#">Cercopithecine Herpes Virus 1</a>	B virus
		Monkey B virus
		Herpesviridae
		Alphaherpesvirinae
		Herpes simiae
		CHV-1
		Simian B disease
		Genus Simplexvirus
33	<a href="#">Chikungunya virus</a>	Epidemic polyarthritis and rash
		CHIK
		Chikungunya fever

34	<a href="#">Chlamydia psittaci</a>	Psittacosis
		Ornithosis
		Parrot fever
35	<a href="#">Chlamydia trachomatis</a>	TRIC agents
		Bedsonia
36	<a href="#">Citrobacter spp.</a>	C. freundii
		C. diversus
		C. amalonaticus,
		C. intermedius
		Escherichia intermedia
		Escherichia freundii
37	<a href="#">Clonorchis sinensis</a>	Clonorchiasis
		Chinese or oriental liver fluke disease
38	<a href="#">Clostridium botulinum</a>	Botulism
39	<a href="#">Clostridium difficile</a>	
40	<a href="#">Clostridium perfringens</a>	C. welchii
		Enteritis necroticans
41	<a href="#">Clostridium tetani</a>	Lockjaw
		Tetanus
42	<a href="#">Clostridium spp.</a>	C. histolyticum
		C. butyricum
		C. septicum
		C. sordellii
		C. novyi
		C. ramosum
		C. bifermentans
		Paraperfringes
		C. cadaveris
		C. clostridiiforme
		C. innocuum
		C. limosum
		C. paraputrificum
		C. sporogenes
		C. subterminale
		C. tertium
43	<a href="#">Coccidioides immitis</a>	Coccidioidomycosis
		Valley fever
		Desert fever
44	<a href="#">Colorado tick fever virus</a>	Tick-borne fever
		Arbovirus
45	<a href="#">Corynebacterium diphtheriae</a>	Diphtheria
46	<a href="#">Coxiella burnetii</a>	Q fever
		Query fever
		Rickettsia

47	<a href="#">Coxsackievirus</a>	Enterovirus
		Devil's grip
		Enteroviral vesicular pharyngitis
		Hand, foot and mouth disease
		Bornholm disease
		Epidemic myalgia
48	<a href="#">Creutzfeldt-Jakob agent</a>	Creutzfeldt-Jakob disease (CJD)
		Kuru
		Chronic infectious neuropathic agents
49	<a href="#">Crimean-Congo hemorrhagic fever virus</a>	CCHF
		Central Asian hemorrhagic fever
50	<a href="#">Cryptococcus neoformans</a>	Cryptococcosis
		Torulosis
		European blastomycosis
51	<a href="#">Cryptosporidium parvum</a>	Cryptosporidiosis
51 a	<a href="#">Cytomegalovirus</a>	CMV
		Human (beta) herpesvirus 5
51b	<a href="#">Dengue fever virus</a>	Dengue fever
		Breakbone fever
		Dengue hemorrhagic fever (DHF)
		Dengue shock syndrome (DSS)
52	<a href="#">Diphtheroids</a>	
53	<a href="#">Eastern equine encephalitis virus</a>	Eastern equine encephalomyelitis
		Western equine encephalomyelitis
		EEE
		WEE
		Arbovirus
54	<a href="#">Ebola virus</a>	African hemorrhagic fever
		Ebola hemorrhagic fever (EHF),
		Ebola disease
		EBO
		EBOV
55	<a href="#">Echinococcus granulosus</a>	Echinococcosis
		Unilocular echinococcosis
		Cystic hydatid disease (CHD)
56	<a href="#">Echinococcus multilocularis</a>	Alveolar hydatid disease
		Multilocular echinococcosis
57	<a href="#">Echovirus</a>	Enterovirus
		Boston exanthem disease
58	<a href="#">Entamoeba histolytica</a>	Amebiasis
		Amebic dysentery
		Ameboma
59	<a href="#">Enterobacter spp.</a>	E. aerogenes
		E. cloacae

		E. gergoviae
		E. amnigenus
		E. asburiae
		E. intermedius
		E. hormaechei
		E. cancerogenus
		E. sakazkii
		E. agglomeran
60	<a href="#">Enterococcus faecalis, Enterococcus faecium</a>	Nonhemolytic streptococci
		Gamma hemolytic streptococci
		Enterococcus
		Group D streptococci
		Vancomycin-resistant enterococcus (VRE);
61	<a href="#">Enterovirus 70</a>	Enteroviral conjunctivitis
		Acute hemorrhagic conjunctivitis
		AHC
		Apollo 11 disease
		EO-70
62	<a href="#">Epidermophyton floccosum, Microsporum spp., Trichophyton</a>	Dermatophytes
		Dermatomycosis
		Tinea
		Ringworm
		Epidermophytosis
		Trichophytosis
		Microsporosis
63	<a href="#">Epstein-Barr virus</a>	EBV
		Burkitt's lymphoma (BL),
		Nasopharangeal carcinoma (NPC)
		Human herpes virus (HHV) 4
64	<a href="#">Escherichia coli, enteroinvasive</a>	EIEC
		Bacillary dysentery
65	<a href="#">Escherichia coli, enteropathogenic</a>	EPEC
		Infantile diarrheal disease
		Acute diarrhea
66	<a href="#">Escherichia coli, enterotoxigenic</a>	ETEC
		Traveller's diarrhea
		Gastroenteritis
67	<a href="#">Escherichia coli, enterohemorrhagic</a>	Enterohemorrhagic Escherichia coli (EHEC),
		Verotoxin producing Escherichia coli (VTEC),

		Shiga toxin producing Escherichia coli
68	<a href="#">Fasciola hepatica, Fasciola gigantica</a>	Fascioliasis
		Sheep liver fluke disease
		Halzoun
		Marrara
		Human Fascioliasis (HF)
69	<a href="#">Francisella tularensis</a>	Pasteurella tularensis
		Tularemia
		Rabbit fever
		Deerfly fever
		Ohara's disease
		Francis disease
70	<a href="#">Gemella haemolysans</a>	
71	<a href="#">Giardia lamblia</a>	G. intestinalis
		G. duodenalis
		Giardiasis
		Giardia enteritis
		Lambliasis
		Lambliia intestinalis
		Beaver fever
72	<a href="#">Haemophilus ducreyi</a>	Chancroid
		Ulcus molle
		Soft chancre
		Ducreyi bacillus
73	<a href="#">Haemophilus influenzae</a> (group b)	Haemophilus meningitis
		Hib
		Pfeiffer's bacillus
		Bacterial meningitis
74	<a href="#">Hantavirus</a>	Korean hemorrhagic fever
		Hantavirus pulmonary syndrome (HPS)
75	<a href="#">Hepatitis A virus</a>	Infectious hepatitis
		Epidemic hepatitis
		Epidemic jaundice
		Catarrhal jaundice
		Type A viral hepatitis
		HAV
		VHA
		MS-1 hepatitis
		Botkins disease
		Infectious icterus
76	<a href="#">Hepatitis B virus</a>	Serum hepatitis
		Type B hepatitis
		Homologous serum jaundice
		Australia antigen hepatitis
		HBV

		Viral hepatitis
		HB
77	<a href="#">Hepatitis C virus</a>	HCV
		PT-NANB
		Parenterally transmitted non-A
		Non-B transfusion-associated hepatitis
78	<a href="#">Hepatitis D</a>	Viral hepatitis D
		Delta hepatitis
		Delta-associated hepatitis
		HDV
79	<a href="#">Hepatitis E virus</a>	HEV
		A-like non A non B hepatitis
		Faecal-oral non-A non-B hepatitis
80	<a href="#">Herpes simplex virus (HSV)</a>	Herpesvirus type 1
		Herpesvirus type 2
		Genital herpes
		Herpesvirus hominis
		Alpha herpes viral disease
		HHV 1 and HHV 2
		Human herpes virus
81	<a href="#">Histoplasma capsulatum</a>	Histoplasmosis
		Ajecllomyces capsulatus
82	<a href="#">Human coronavirus</a>	Viral respiratory disease
		Viral gastroenteritis
83	<a href="#">Human Immunodeficiency Virus</a>	HIV
		AIDS
		Acquired Immune Deficiency Syndrome
		HTLV III LAV
84	<a href="#">Human papillomavirus</a>	HPV
		Human papillomavirus types 6
		Viral warts
		Verruca vulgaris
		Cervical carcinoma
85	<a href="#">Human rotavirus</a>	HRV
		Sporadic viral gastroenteritis
		Rotaviral enteritis
	Klebsiella spp.	K. pneumoniae
		Friedlander's pneumonia
		K. oxytoca
		K. ozaenae
86	<a href="#">Human T-lymphotrophic virus</a>	HTLV-1
		Adult T-cell leukemia (ATL),
		T-cell lymphosarcoma (TLCL),
		Peripheral T-cell lymphoma
		Sezary's disease

		Hairy cell leukemia
		Tropical spastic paraparesis
87	<a href="#">Influenza virus</a>	Flu
		Orthomyxovirus
		Influenza virus types A, B, and C
88	<a href="#">Japanese encephalitis virus</a>	JE
		JEV
		Arbovirus B
		Mosquito-borne encephalitis virus
89	<a href="#">Junin virus/ Machupo virus</a>	Bolivian hemorrhagic fever
		Argentinian hemorrhagic fever
		South American hemorrhagic fever
90	<a href="#">Kyasanur forest disease virus</a>	Kyasanur forest disease
		Tick-borne encephalitis virus group
91	<a href="#">Lactobacillus spp</a>	L. acidophilus
		L. bifidus
		L. bulgaricus
		L. plantarum
		L. helveiticus
		L. viridescens
		L. casei
92	<a href="#">Legionella pneumophila</a>	Legionnaires' disease
		Legionellosis
		Pontiac fever
93	<a href="#">Leishmania spp.</a>	Family Trypanosomatidae
		Leishmaniasis
		L. donovani
		L. tropica
		L. braziliensis
		Kala-azar
		L. Chagasi
94	<a href="#">Leptospira interrogans</a>	Leptospirosis
		Weil's disease
		Canicola fever
		Hemorrhagic jaundice
		Mud fever
		Swineherd's disease
95	<a href="#">Listeria monocytogenes</a>	Listeriosis
		Listerella
96	<a href="#">Lymphocytic choriomeningitis virus</a>	LCM
		Lymphocytic meningitis
97	<a href="#">Marburg virus</a>	Marburg disease
		African hemorrhagic fever
98	<a href="#">Mayaro virus</a>	Epidemic polyarthritis and rash

		Mayaro fever
		MAY
99	<a href="#">Measles virus</a>	Rubeola
		Hard measles
		Red measles
		Morbilli
100	<a href="#">Micrococcus spp.</a>	M. luteus
		M. lacticum
		M. freundenreichii
		M. roseus
		M. varians
101	<a href="#">Moraxella spp</a>	M. atlantae
		M. bovis
		M. canis
		M. caprae,
		M. equi
		M. lacunata
		M. lincolni
		M. nonliquefaciens
		M. osloensis
		M. phenylpyruvica
		Kingella kingae
102	<a href="#">Murray Valley encephalitis</a>	Australian X disease
		Mosquito-borne encephalitis
		Arbovirus
		Viral encephalitis
103	<a href="#">Mycobacterium tuberculosis,</a> <a href="#">Mycobacterium bovis</a>	TB
	<a href="#">Mycobacterium spp</a>	MOTT
		M. kansasii
		M. xenopi
		M. simiae
		M. szulgai
		M. fortuitum
		M. scrofulaceum
		M. marinum
		M. ulcerans
		M. cheloni
		M. smegmatis
104	<a href="#">Mycoplasma orale</a>	
	<a href="#">Mycoplasma pneumoniae; M. hominis</a>	Mycoplasmal pneumonia
		pleural atypical pneumonia
		PPLO
		Pleuropneumonia-like organisms
105	<a href="#">Naegleria fowleri</a>	Naegleriasis

		Primary amoebic meningoencephalitis
106	<a href="#">Necator americanus</a>	Hookworm disease
		Necatoriasis
107	<a href="#">Neisseria gonorrhoeae</a>	Gonococcus
		Gonorrhea
		GC
108	<a href="#">Neisseria spp.</a>	N. lactamica
		N. mucosa
		N. polysaccharea
		N. subflava
		Mucosa
		N. cinerea
		N. flavescens
109	<a href="#">Neisseria meningitidis</a>	Meningococcal meningitis
		Meningococcal infection
		Cerebrospinal fever
		Meningococemia
110	<a href="#">Nocardia spp</a>	Nocardia asteroides
		N. brasiliensis
		N. caviae
		N. transvalensis
		N. otidiscaviarum
		Nocardiosis
111	<a href="#">Norwalk virus</a>	Winter vomiting disease
		Viral diarrhea
		Epidemic diarrhea and vomiting
112	<a href="#">Omsk hemorrhagic fever virus</a>	Omsk hemorrhagic fever
		Tick-borne encephalitis
113	<a href="#">Onchocerca volvulus</a>	Onchocerciasis
		River blindness
		Blinding filarial disease
		Enfermedad de roblex
		Erisipela de la coste
		Mal morado
		Craw-craw
		Gale filarienne
		Ceguera de la rios
114	<a href="#">O'Nyong-Nyong virus</a>	Epidemic polyarthritis and rash
		O'Nyong-Nyong virus disease
		ONN
115	<a href="#">Opisthorchis spp.</a>	Opisthorchiasis
		O. felineus
		O. viverrini
116	<a href="#">Parvovirus (B19)</a>	Human parvovirus (HPV)
		Human serum parvovirus-like virus

		Erythema infectiosum
		Slapped-cheek disease
		Fifth disease
117	<a href="#">Parvovirus (B19)</a>	Human parvovirus (HPV), Human serum parvovirus-like virus
		Erythema infectiosum
		Slapped-cheek disease
118	<a href="#">Pasteurella spp.</a>	Shipping fever
		Pasteurella haemolytica
		P. pneumotropica
		P. aerogenes
		P. sallinavum
		P. multocida
		Pasteurellosis
119	<a href="#">Peptococcus spp.</a>	P. anaerobius
		P. asacharolyticus
		P. constellatus,
		P. magnus
120	<a href="#">Peptostreptococcus spp.</a>	P. anaerobius
		P. lanceolatus
		P. micros
		P. parvulus
		P. productus
121	<a href="#">Plesiomonas shigelloides</a>	Aeromonas shigelloides
122	<a href="#">Powassan encephalitis virus</a>	Arbovirus
123	<a href="#">Proteus spp.</a>	P. mirabilis
		P. vulgaris
		P. penneri
		P. hauseri
124	<a href="#">Pseudomonas spp. (excluding B. mallei, B. pseudomallei)</a>	P. aeruginosa
		P. cepacia
125	<a href="#">Rabies virus</a>	Rabies
		Hydrophobia
		Lyssa
126	<a href="#">Respiratory syncytial virus</a>	RSV
		Pneumovirus
127	<a href="#">Rhinovirus</a>	Acute viral rhinitis
		Acute coryza
		Common cold virus
128	<a href="#">Rickettsia akari</a>	Rickettsialpox,
		Vesicular rickettsiosis
129	<a href="#">Rickettsia prowazekii, Rickettsia canadensis</a>	Louse-borne typhus fever
		Epidemic typhus

		Typhus exanthematicus
		Classical typhus fever
		Brill-zinsser disease
130	<a href="#">Rickettsia rickettsii</a>	Rocky Mountain Spotted Fever
		New World spotted fever
		Tick-borne typhus fever
		Sao Paulo fever
131	<a href="#">Ross river virus</a>	Epidemic polyarthritis and rash
		Ross river disease
		Ross river fever
		RRV
132	<a href="#">Rubella virus</a>	German measles
		3-day measles
133	<a href="#">Salmonella choleraesuis</a>	Salmonellosis
		Salmonella septicemia
		Hog cholera
		Hog typhoid
		Salmonella choleraesuis serotype choleraesuis
		Salmonella enterica
134	<a href="#">Salmonella paratyphi</a>	Enteric fever
		Paratyphoid fever
		S. choleraesuis serotype paratyphi
		S. enterica serotype paratyphoid A,B and C
135	<a href="#">Salmonella typhi</a>	Typhoid fever
		Enteric fever
		Typhus abdominalis
		Salmonella choleraesuis serotype typhi
		Salmonella enterica serotype typhi
136	<a href="#">Salmonella spp.</a>	Salmonellosis
137	<a href="#">Schistosoma spp.</a>	Schistosoma mansoni
		S. japonicum
		S. haematobium
		Bilharziasis
		Snail fever
		Schistosomiasis
138	<a href="#">Serratia spp.</a>	S. marcescens
		S. liquefaciens
		S. odorifera
		S. rubidaea
		S. ficaria
		S. fonticola
		S. marinorubra
		S. plymuthica
139	<a href="#">Shigella spp.</a>	S. dysenteriae

		S. flexneri
		S. boydii
		S. sonnei
		Shigellosis
		Bacillary dysentery
140	<a href="#">Sindbis virus</a>	Epidemic polyarthritis and rash
		Sindbis virus disease
		SIN
		Ockelbo virus
141	<a href="#">Sporothrix schenckii</a>	Sporotrichosis,
		Rose handler's disease
142	<a href="#">St. Louis encephalitis</a>	SEV
		SELV
		Mosquito-borne encephalitis
		Arbovirus
		Viral encephalitis
143	<a href="#">Staphylococcus aureus</a>	Staphylococcal diseases
		Impetigo
		Toxic shock syndrome
		Intoxication
144	<a href="#">Streptobacillus moniliformis</a>	Streptobacilliosis
		Streptobacillary fever,
		Haverhill fever
		Epidemic arthritic erythema
145	<a href="#">Streptococcus agalactiae</a>	Group B streptococci
146	<a href="#">Streptococcus pneumoniae</a>	Pneumococcus
		Diplococcus
		Pneumococcal pneumonia
147	<a href="#">Streptococcus pyogenes</a>	Streptococcal sore throat
		Scarlet fever
		Impetigo
		Erysipelas
		Necrotizing fasciitis
		Puerperal fever
148	<a href="#">Streptococcus salivarius</a>	Viridans streptococci
149	<a href="#">Taenia saginata</a>	Beef tapeworm
		Taeniasis
		Taeniarhynchus saginatus
150	<a href="#">Taenia solium</a>	Taeniasis
		Pork tapeworm
		Cysticercosis
		Cysticerciasis
151	<a href="#">Toxocara canis, Toxocara cati</a>	Toxocariasis
		Visceral larva migrans
		Larva migrans visceralis

		Ocular larva migrans
152	<a href="#">Toxoplasma gondii</a>	Toxoplasmosis
		Congenital toxoplasmosis
		Toxoplasma infection
153	<a href="#">Treponema pallidum</a>	Syphilis
		Lues
154	<a href="#">Trichinella spp.</a>	Trichinellosis
		Trichinosis
		Trichiniasis
		Trichina spiralis
155	<a href="#">Trichomonas vaginalis</a>	Trichomoniasis
		Vaginitis
156	<a href="#">Trichuris trichiura</a>	Trichocephalus trichiurus
		Trichuriasis
		Whipworm disease
		Trichocephaliasis
157	<a href="#">Trypanosoma brucei</a>	African Trypanosomiasis
		African Sleeping Sickness
158	<a href="#">Ureaplasma urealyticum</a>	Nongonococcal urethritis
		NGU
		Non specific urethritis
		NSU
159	<a href="#">Vaccinia virus</a>	Poxvirus
		Smallpox vaccine
160	<a href="#">Varicella-zoster virus</a>	VZV
		Human Herpesvirus 3
		Herpes Zoster
		Chickenpox
		Shingles
		Herpes
161	<a href="#">Venezuelan equine encephalitis virus</a>	Arbovirus
		Venezuelan equine fever
162	<a href="#">Vesicular stomatitis virus</a>	VSV
		Vesicular stomatitis fever
163	<a href="#">Vibrio cholerae</a>	Cholera
164	<a href="#">Vibrio parahaemolyticus</a>	
165	<a href="#">West Nile Virus</a>	West Nile encephalitis virus
		West Nile encephalitis
		WN virus
		WNV
		Arbovirus
		Viral encephalitis
166	<a href="#">Wuchereria bancrofti</a>	Bancroftian filariasis
		Filariasis
		Elephantiasis

167	<a href="#">Yellow fever virus</a>	Arbovirus
		Yellow fever
		YF
168	<a href="#">Yersinia enterocolitica, Yersinia pseudotuberculosis</a>	Yersiniosis
		Enterocolitis
		Pseudotuberculosis
169	<a href="#">Yersinia pestis</a>	Plague
		Peste
		Bubonic plague