

TABLE 233-2 GEOGRAPHIC DISTRIBUTION (UNITED NATIONS GEOScheme) OF ZONOTIC ARTHROPOD-BORNE OR RODENT-BORNE VIRAL DISEASES (CONTINUED)

Area	Type of Disease ^a						
	Arenaviral	Bunyaviral	Flaviviral	Orthomyxoviral	Reoviral	Rhabdoviral	Togaviral
Europe	Lymphocytic choriomeningitis/meningoencephalitis	(Avalon) and Bhanja virus infections; California (meningo)encephalitis; Crimean-Congo hemorrhagic fever; (Erve virus infection); hemorrhagic fever with renal syndrome; Inkoo virus infection; sandfly fever/Pappataci fever/phlebotomus fever; Uukuniemi virus infection	Dengue/severe dengue; tick-borne viral encephalitis; Omsk hemorrhagic fever; (Usutu virus infection); West Nile virus infection	Dhori and Thogoto virus infections	Eyach, Kemerovo, and Tribeč virus infections	—	Chikungunya virus disease; Sindbis virus infection
Oceania	—	Gan Gan and (Trubanaman virus) infections	Australian encephalitis; dengue/severe dengue; Japanese encephalitis; Kokobera virus infection; Murray Valley encephalitis; West Nile virus infection; Zika virus infection	—	—	—	Barmah Forest virus infection; Ross River disease; Sindbis virus infection

^aQuotation marks indicate common usage in the absence of International Classification of Disease version 10 (ICD-10) recognition. Diseases not acknowledged by the ICD-10 are designated as "virus infection." Disease names are placed in parentheses when cases are either extremely rare or controversial.

TABLE 233-3 CLINICAL SYNDROMES CAUSED BY ZONOTIC ARTHROPOD-BORNE OR RODENT-BORNE VIRUSES

Syndrome	Virus ^a
Arthritis and rash (A/R)	Bunyaviridae: Gan Gan and (Trubanaman) viruses Flaviviridae: Kokobera and Zika viruses Togaviridae: Barmah Forest, chikungunya, Mayaro, o'nyong-nyong, Ross River, Semliki Forest, and Sindbis viruses
Encephalitis (E)	Arenaviridae: lymphocytic choriomeningitis and (Whitewater Arroyo) viruses Bunyaviridae: Bhanja, California encephalitis, Chios, Inkoo, Jamestown Canyon, La Crosse, Lumbo, Rift Valley fever, snowshoe hare, Tahyña, and Toscana viruses Flaviviridae: Japanese encephalitis, Murray Valley encephalitis, Powassan, Rocio, St. Louis encephalitis, tick-borne encephalitis, (Usutu), and West Nile viruses Orthomyxoviridae: Dhori and Thogoto viruses Reoviridae: Banna, Colorado tick fever, Eyach, Kemerovo, Orungo, and Salmon River viruses Rhabdoviridae: Chandipura virus Togaviridae: eastern equine encephalitis, Everglades, Mucambo, Tonate, Venezuelan equine encephalitis, and western equine encephalitis viruses
Fever and myalgia (F/M)	Arenaviridae: Lassa and lymphocytic choriomeningitis viruses Bunyaviridae: Alenquer, Apeú, Bangui, Batai, Bhanja, Bunyamwera, Bwamba, Cache Valley, California encephalitis, Candiru, Caraparú, Catu, Chagres, Choclo, Dugbe, Escharate, Fort Sherman, Germiston, Guama, Guaroa, Heartland, Ilesha, Inkoo, Iquitos, Itaqui, Jamestown Canyon, La Crosse, Lumbo, Madrid, Maldonado, Marituba, Morumbi, Nairobi sheep disease, Nepuyo, Ngari, Nyando, Oriboca, Oropouche, Ossa, Pongola, Punta Toro, Restan, Rift Valley fever, sandfly fever Cyprus, sandfly fever Naples, sandfly fever Sicilian, sandfly fever Turkey, Serra Norte, "severe fever with thrombocytopenia syndrome," Shokwe, snowshoe hare, Tacaiuma, Tahyña, Tataguine, Thogoto, Toscana, Uukuniemi, Wyeomyia, Xingu, and Zungarococha viruses Flaviviridae: dengue 1–4, tick-borne encephalitis, and Zika viruses Orthomyxoviridae: Dhori and Quaranfil viruses Reoviridae: Colorado tick fever, Eyach, Kemerovo, Lebombo, Orungo, Salmon River, and Tribeč viruses Rhabdoviridae: Chandipura, Isfahan, Piry, vesicular stomatitis Indiana, and vesicular stomatitis New Jersey viruses Togaviridae: Everglades, Mucambo, Tonate, Una, and Venezuelan equine encephalitis viruses
Pulmonary disease (P)	Bunyaviridae: Anajatuba, Andes, Araucária, Bayou, Bermejo, Black Creek Canal, Blue River, Castelo dos Sonhos, El Moro Canyon, Jucituba, Laguna Negra, Lechiguana, Maciel, Monongahela, Muleshoe, New York, Orán, Paranoá, Pergamino, (Puumala), Río Mamoré, Sin Nombre, (Tula), and Tunari viruses
Viral hemorrhagic fever (VHF)	Arenaviridae: Chapare, Guanarito, Junín, Lassa, Lujo, (lymphocytic choriomeningitis), Machupo, and Sabiá viruses Bunyaviridae: Amur/Soochong, Crimean-Congo hemorrhagic fever, Dobrava-Belgrade, Gou, Hantaan, (Ilesha), Kurkino, Muju, Ngari, Puumala, Rift Valley fever, Saaremaa, Seoul, "severe fever with thrombocytopenia syndrome," Sochi, and Tula viruses Flaviviridae: dengue 1–4, Kyasanur Forest disease, Omsk hemorrhagic fever, (tick-borne encephalitis), and yellow fever viruses

^aVirus names are placed in parentheses when human infections are either extremely rare or controversial.