Viral Taxonomy

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Family	Subfamily	Genus	Representative species pathogenic for humans (no. of members)
DNA Viruses			
Poxviridae	Chordopoxvirinae	Orthopoxvirus	Vaccinia virus Variola virus
		Parapoxvirus	Orf virus (contagious pustular dermatitis) Pseudocowpox virus (milkers' nodule)
		Molluscipoxvirus	Molluscum contagiosum virus
		Yatapoxvirus	Yaba monkey tumor virus, tanapox virus
Herpesviridae	Alphaherpesvirinae	Simplexvirus	Human herpesvirus 1 (Herpes simplex virus type 1) Human herpesvirus 2 (Herpes simplex virus type 2) Herpes virus B (Herpes simiae virus)
		Varicellovirus	Human herpesvirus 3 (Varicella-zoster virus)
	Betaherpesvirinae	Cytomegalovirus	Human herpesvirus 5 (cytomegalovirus)
		Roseolovirus	Human herpesvirus 6 (human B lymphotropic virus)
			Human herpesvirus 7
	Gammaherpesvirinae	Lymphocryptovirus	Human herpesvirus 4 (Epstein-Barr virus)
		Rhadinovirus	Human herpesvirus 8 (Kaposi's sarcoma-associated herpesvirus)
Adenoviridae		Mastadenovirus	Adenoviruses (49)
Papovaviridae		Papillomavirus	Papillomaviruses (77)
		Polyomavirus	BK virus (Polyomavirus hominis 1) JC virus (Polyomavirus hominis 2)
Parvoviridae	Parvovirinae	Erythrovirus	B19 virus (human parvovirus, erythema infectiosum or fifth disease)
Hepadnaviridae		Orthohepadnavirus	Hepatitis B virus
RNA Viruses			
Reoviridae		Orthoreovirus	Reoviruses (3)
		Coltivirus	Colorado tick fever virus
		Orbivirus	Kemerovo virus
		Rotavirus	Group A, B, and C rotaviruses (numerous serotypes)

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RNA Viruses			
<i>(Continued)</i>			
Paramyxoviridae	Paramyxovirinae	Paramyxovirus	Parainfluenza virus types 1 and 3
		Morbillivirus	Measles virus
		Rubulavirus	Mumps virus, parainfluenza virus types 2, 4A, and 4B
	Pneumovirinae	Pneumovirus	Respiratory syncytial virus
Rhabdoviridae		Vesiculovirus	Vesicular stomatitis virus
		Lyssavirus	Rabies virus
Filoviridae		Filovirus	Marburg and Ebola viruses
Orthomyxoviridae		Influenzavirus A	Influenza A virus
		Influenzavirus B	Influenza B virus
		Influenzavirus C	Influenza C virus
Bunyaviridae		Bunyavirus	Bunyamwera virus (Bunyamwera serogroup), California encephalitis and LaCrosse viruses (California serogroup), viruses of other serogroups (mosquito-transmitted) (>161)
		Hantavirus	Hantaan virus (Korean hemorrhagic fever or hemorrhagic fever with renal syndrome), Muerto Canyon virus (Four Corners virus, hantavirus pulmonary syndrome), and others (rodent-associated) (~9)
		Nairovirus	Crimean-Congo hemorrhagic fever virus, viruses of seven other serogroups (tick-transmitted) (>33)
		Phlebovirus	Sandfly fever viruses, Rift Valley fever virus (sandfly-borne primarily) (>30); Uukuniemi and other viruses (tick-transmitted) (~12)
Arenaviridae		Arenavirus	Lymphocytic choriomeningitis virus Lassa fever virus Junin (Argentine hemorrhagic fever virus) Machupo (Bolivian hemorrhagic fever virus)
Picornaviridae		Enterovirus	Polioviruses (3) Coxsackie A viruses (23) Coxsackie B viruses (6) Echoviruses (30) Enteroviruses 68–71 (4)
		Rhinovirus	Common cold viruses (>115)
		Hepatovirus	Hepatitis A virus (enterovirus 72)
Caliciviridae		Calicivirus	Norwalk and Norwalk-like gastroenteritis viruses (5) Hepatitis E virus (enterically transmitted non-A, non-B hepatitis)
Astroviridae		Astrovirus	Human astroviruses (7)
Coronaviridae		Coronavirus	Human coronaviruses (2)

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<i>(Continued)</i>			
Flaviviridae		Flavivirus	St. Louis, Japanese B, and Murray Valley encephalitis viruses; yellow fever, dengue, and West Nile fever viruses (group B arboviruses, mosquito-borne) (~26) Kyasanur Forest disease, Omsk hemorrhagic fever, European and Far Eastern tick-borne encephalitis viruses (tick-borne) (~15) Vector-unassociated viruses (~17)
		Hepacivirus	Hepatitis C virus (parenterally transmitted non-A, non-B hepatitis) Hepatitis G virus
Togaviridae		Alphavirus	Western, Eastern, and Venezuelan equine encephalitis viruses; Ross River, Sindbis, and Semliki Forest viruses (group A arboviruses, mosquito-borne) (27)
		Rubivirus	Rubella virus
Retroviridae		HTLV-BLV viruses	Human T-cell lymphotropic viruses 1 and 2
		Lentivirus	Human immunodeficiency viruses 1 and 2
The Subviral Agents (Satellites, Viroids, and Agents of Spongiform Encephalopathies)			
Satellites		Deltavirus	Hepatitis delta (D) virus
Prions			Kuru, Creutzfeldt-Jakob disease (CJD), Gerstmann-Straussler-Scheinker syndrome (GSS), fatal familial insomnia (FFI)