

Supplementary information S1 (table) | **Natural reservoir hosts and susceptible hosts involved in transmission of bacterial, prion, parasitic and other viral zoonotic diseases**

Disease	Known reservoir hosts	Other Susceptible hosts	Transmitted to humans by
<i>Bacterial</i>			
Anthrax (<i>Bacillus anthracis</i>) ¹⁻⁵	Buffaloes Cattle Herbivorous mammals Wild birds	All warm blooded animals	All infected animals Environment/aerosols
Balantidiasis (<i>Balantidium coli</i>) ^{3,6,7}	Pigs Wild boars	Primates	Environment
Bartonellosis (<i>Bartonella</i> spp.) ^{3,8,9}	Cattle Cats (cat scratch fever) Coyotes Dogs Foxes Squirrels	Horses Wild rodents	Body lice Fleas Sand flies Ticks
Bovine tuberculosis (<i>Mycobacterium bovis</i>) ^{4,5}	Cattle	All mammals	Cattle All mammals Aerosols
Brucellosis (<i>Brucella abortus</i> , <i>Brucella suis</i>) ³⁻⁵	Camels Cattle Feral pigs Goats Pigs Sheep		Camels Cattle Feral pigs Goats Pigs Sheep Aerosols
<i>Escherichia coli</i> 0157 (<i>Escherichia coli</i> 0157) ³	Cats Cattle Deer Dogs Goats Sheep Wild birds		Cats Cattle Deer Dogs Goats Sheep Wild birds
Leprosy (<i>Mycobacterium leprae</i>) ¹⁰		Armadillos	Armadillos
Leptospirosis (<i>Leptospira</i> spp.) ^{3,4}	Cattle Chickens Deer Dogs Goats Hedgehogs Horses Mongoose Opossums Pigs Raccoons Sheep Skunks Wild rodents		Cattle Chickens Deer Dogs Goats Horses Hedgehogs Mongoose Opossums Pigs Raccoons Sheep Skunks Wild rodents Environment

Disease	Known reservoir hosts	Other Susceptible hosts	Transmitted to humans by
Listeriosis (<i>Listeria monocytogenes</i>) ³	Cattle Goats Pigs Sheep		Cattle Goats Pigs Sheep
Lyme disease (<i>Borrelia</i> spp.) ^{3,11}	Wild rodents		Ticks
Mycobacteriosis/Buruli ulcer (<i>Mycobacterium ulcerans</i>) ^{12,13}	Amphibians Possums Fish		Mosquitoes Environment Water bugs
Mycobacterium infection (non-tuberculosis) (<i>Mycobacterium</i> spp.) ^{14,15}	Buffaloes Cattle Cervids Chickens Pigs Possums Wild birds		Buffaloes Cattle Cervids Chickens Pigs Possums Wild birds Environment
Pasteurellosis (<i>Pasteurella</i> spp.) ¹⁶	Cats Dogs Pigs Poultry Ruminants Wild birds Wild rodents	Wild cats	Cats Dogs Pigs Poultry Ruminants Wild birds Wild cats Wild rodents
Plague (<i>Yersinia pestis</i>) ³	Wild rodents	Cats Dogs	Fleas Wild rodents Aerosols
Psittacosis (<i>Chlamydia psittaci</i>) ³	Domestic birds Poultry Wild birds		Domestic birds Poultry Wild birds
Q-fever (<i>Coxiella burnetii</i>) ^{3,5}	Bandicoots (marsupial) Cattle Goats Sheep Wallabies	Birds Buffalo Camels Cats Dogs Horses Pigs Rodents	Environment/aerosols
Rickettsia/Rocky Mountain spotted fever (<i>Rickettsia rickettsii</i>) ³	Wild rodents		Ticks
Salmonellosis (<i>Salmonella</i> spp.) ³	Chickens Hedgehogs Reptiles		Chickens Hedgehogs Reptiles
Streptococcus suis (<i>Streptococcus suis</i>) ¹⁷	Pigs		Pigs
Tularemia (<i>Francisella tularensis</i>) ^{3,4}	Wild rodents		Ticks Wild rodents Environment/aerosols

Disease	Known reservoir hosts	Other Susceptible hosts	Transmitted to humans by
Yersiniosis (<i>Yersinia enterocolitica</i>) ¹⁸	Pigs	Beavers Birds Cats Dogs Wild rodents	Pigs Environment
Viral			
Arenavirus infections ^{3,4} ; Argentine hemorrhagic fever (Junin virus) Bolivian hemorrhagic fever (Machupo virus) Brazilian hemorrhagic fever (Sabia virus) Chapare hemorrhagic fever (Chapare virus) Lassa fever (Lassa virus) Lujo hemorrhagic fever (Lujo virus) Lymphocytic choriomeningitis (Lymphocytic choriomeningitis virus) Venezuelan hemorrhagic fever (Guanarito virus)	Wild rodents		Wild rodents Environment
Chikungunya disease (Chikungunya virus) ³	Primates		Mosquitoes
Eastern equine encephalitis (Eastern equine encephalitis virus) ^{3,19–21}	Birds	Amphibians Mammals (horses, etc) Reptiles (snakes, etc)	Mosquitoes
Hemorrhagic fever with renal syndrome, Hantavirus pulmonary syndrome (Hantaviruses) ³	Wild rodents		Wild rodents Environment?
Hepatitis E (Hepatitis E virus) ^{3,22}	Chickens Boar Deer Feral pigs Pigs Wild rodents		Chickens Boar Deer Feral pigs Pigs Wild rodents
Human Immunodeficiency Virus — AIDS ²³	Chimpanzees Old world monkeys	Humans	Humans
La Crosse encephalitis (La Crosse encephalitis virus) ³	Small mammals (squirrels, chipmunks)		Mosquitoes
Marburg viral haemorrhagic fever (Marburg virus) ^{3,4}	Bats	Primates	Primates
Menangle (Menangle virus) ²⁴	Bats	Pigs	Pigs
Murray valley encephalitis (Murray valley encephalitis virus) ²⁵	Waterbirds	Cattle Horses Primates Sheep	Mosquitoes
Nipah (Nipah virus) ^{3,5,26}	Bats	Pigs	Bats Pigs
Orf (Poxvirus) ²⁷	Goats Sheep		Goats Sheep
Rift valley fever (Rift valley fever virus) ^{3–5}	Buffaloes Camels Cattle Goats Poultry Sheep		Mosquitoes

Disease	Known reservoir hosts	Other Susceptible hosts	Transmitted to humans by
St Louis encephalitis (St Louis encephalitis virus) ³	Wild birds	Domestic animals	Mosquitoes
Tick-borne encephalitis (Tick-borne encephalitis virus) ²⁸	Rodents	Birds Dogs Horses Ruminants	Ticks
Venezuelan equine encephalitis (Venezuelan equine encephalitis virus) ¹⁹	Rodents	Horses	Mosquitoes
Western equine encephalitis (Western equine encephalitis virus) ^{3,19}	Rodents	Horses	Mosquitoes
Yellow fever (Yellow fever virus) ³	Primates		Mosquitoes
Parasitic			
Chagas disease (<i>Trypanosoma cruzi</i>) ^{3,29,30}	Armadillos Opossums Raccoons Wild rodents	All mammals	Mosquitoes
Cryptosporidiosis (<i>Cryptosporidium</i>) ³	Cattle Deer Goats Sheep		Cattle Deer Goats Sheep
Cystic echinococcosis or hydatid disease (<i>Echinococcus granulosus</i> tapeworm) ^{3-5,31}	Dogs Foxes Wolves	Cattle Deer Goats Horses Sheep	Cattle Dogs Deer Foxes Goats Horses Sheep Wolves
Cysticercosis and neurocysticercosis (<i>Taenia solium</i> tapeworm) ^{3,4}	Pigs		Pigs
Giardia (<i>Giardia intestinalis</i> , <i>Giardia duodenalis</i>) ³	Cats Dogs All mammals		Cats Dogs Environment
Leishmaniasis (<i>Leishmania</i> spp.) ³	Dogs		Mosquitoes
Toxoplasmosis (<i>Toxoplasma gondii</i>) ^{3,32}	Cats Wild birds Wild rodents		Cats
Visceral larva migrans/Toxocariasis (<i>Toxocara canis</i> and <i>Toxocara cati</i> (Nematodes)) ³³	Cats Dogs		Cats Dogs
Zoonotic sleeping sickness or human African trypanosomiasis (<i>Trypanosoma brucei</i>) ^{3,4,34}	Cattle	Dogs Goats Pigs Sheep	Tsetse fly
Prion			
Transmissible spongiform encephalopathy Bovine spongiform encephalopathy, variant Creutzfeldt-Jakob disease (Prions) ^{3,4}	Cattle		Cattle