	Animal Impa	act	;		-							
		•	= Sp	ecies	s witl	n Zoo	onoti	c Potential				
	Disease	Dogs Cats Birds Ferrets Rabbits Rodents Other				Rodents	Other	Incubation Period	Prominent Clinical Signs			
3A	CTERIA											
	Brucellosis Brucella canis	•							variable	Abortions; stillborn or weak newborns; retained placentas; placentitis; orchitis; epididymitis; arthritis; lameness		
	Campylobacteriosis Campylobacter jejuni, C. fetus, C. coli	•	•	•	•		•	cattle, goats, mink, pigs non-human primates, sheep	3-25 days	Mucoid, watery, or blood-flecked diarrhea in many species; Hamsters: "wet tail"; may be fatal in newly hatched chicks; asymptomatic carriers common		
	Cat Scratch Fever Bartonella henselae		•			bobcats, cheetahs, cougars, panthers	2-16 days	No natural occurring disease reported; research studies have produced; fever; lethargy; anorexia; myalgia; lymphadenopathy; transient behavioral and neurological dysfunction				
	Chlamydiosis (mammals) Chlamydophila abortus, C. felis		•					cattle, deer, goats, llamas, sheep	3-10 days in cats; others vary	Cats: fever; conjunctivitis; ocular discharge; corneal ulcers; rhinitis		
	Ehrlichiosis Ehrlichia, Neorickettsia, Anaplasma	•					•	cattle, sheep, horses, llamas, foxes, coyotes, non-human primates, wild ruminants	1-20 days	Dogs: fever; lethargy; anorexia; petechiae; lameness; edema in hind legs; Dogs: may develop bleeding disorders		
	Leptospirosis Leptospira species	•					•	cattle, goats, horses, pigs, , sea lions, seals, sheep	4-12 days	Dogs: variable; hemorrhagic syndromes; kidney disease		
	Lyme Disease Borrelia burgdorferi	•					•	deer, horses, opossums, raccoons	2-5 months	Dogs: lameness; arthritis; Horses: lameness; arthritis; encephalitis; uveitis; dermatitis; edema of the limbs; abortion		
	Plague Yersinia pestis	•	•				•	prairie dogs, rock and ground squirrels	1-6 days	High fever; extremely swollen lymph nodes – "buboes"; severe pneumonia; septicemia		
	Psittacosis Chlamydophila psittaci			•				love birds, parakeets, parrots	3-10 days	Nasal and ocular discharges; conjunctivitis; yellow-green droppings; inactivity; ruffled feathers; inappetance; weight loss		
	Q Fever Coxiella burnetii	•	•			•	•	cattle, goats, sheep	1-3 weeks	Typically asymptomatic; Cats: subclinical; fever, anorexia, lethargy; abortion; Dogs: subclinical; splenomegaly		
	Rocky Mountain Spotted Fever Rickettsia rickettsii	•				•	•	opossums, rabbits, rodents	2-14 days	Fever; anorexia; depression; lymphadenopathy; dyspnea; diarrhea; vomiting; joint or muscle pain; edema of the face or extremities; petechiae of oral or ocular membranes; ataxia; paraparesis; seizures; renal failure; coma		
	Salmonellosis Salmonella species			•			•	reptiles (turtles, lizards, snakes); amphibians (frogs); hedgehogs; livestock species (poultry, horses, cattle)	variable	Clinical disease uncommon; may develop septicemia; anorexia; listlessness; osteomyelitis; osteoarthritis; subcutaneous abscesses; death		
	Streptococcosis Streptococcus canis, S. equi subsp. zooepidemicus, S. iniae, S. suis	foxes, goats, he		bison, cattle, fish, foxes, goats, horses, non-human primates, pigs, sheep	varies with form	Mastitis; metritis; placentitis; abortion; septicemia; wound infection; polyarthritis; pleuritis; endocarditis; abscesses; pneumonia; meningitis; pyoderma; toxic shock; death; Guinea Pigs: cervical lymphadenitis						
	Tularemia Francisella tularensis	•	•			•	•	aquatic animals, horses, pigs, sheep	1-10 days	Sudden high fever with lethargy and anorexia; stiffness; reduced mobility; tachycardia; tachypnea; prostration and death; military white necrotic foci of liver, spleen or lymph node		

Note: This chart provides an overview of some zoonoses of companion animals. Information presented here is not comprehensive, and should not be used to rule out a diagnosis or take the place of veterinary advice.



Additional disease information available at http://www.cfsph.iastate.edu/DiseaseInfo/. Table last reviewed January 2021

IOWA STATE UNIVERSITY®

Animal Imp	act	t			-						
			ecies	s with	n Zoo	onoti	c Potential				
Disease	Dogs		Dogs Cats Birds Ferrets Rabbits		Rabbits	Rodents Other		Incubation Period	Prominent Clinical Signs		
IRUSES											
Influenza Influenzavirus	•	•	•	•			pigs, horses	1-7 days	Birds: mild to severe; coughing; sneezing; decreased egg production; death; Ferrets: nasal/ocular discharge; sneezing, lethargy, fever, inappetance		
Rabies Lyssavirus				\bullet	•		any mammal	10 days to 6 months	Restlessness; anorexia or increased appetite; vomiting; fever; ataxia incoordination; ascending paralysis; increased aggression; death		
JNGI											
Cryptococcosis Cryptococcus neoformans	•			•		•	cattle, sheep, goats, horses, llamas, foxes, mink, non-human primates	unknown	Cats: chronic rhinitis; sinusitis; lymphadenopathy; non-pruritic nodules on face; CNS disease; ocular lesions; osteomyelitis; Dogs: neurologic disease; Horses: obstructive growths in the nasal cavit		
Dermatophytosis Microsporum species, Trichophyton species	•	•	•	•	•	•	cattle, goats, horses, pigs, sheep	2-4 weeks	Young animals most susceptible; adults may be asymptomatic; small circular areas of alopecia; flakey skin; most species non-pruritic		
Sporotrichosis Sporothrix schenckii	•	•					horses, donkeys, mules	1 month	Cutaneous form most common; disseminated form rare; Cats: nodules develop into slow-healing ulcers; suppurative lymphadenitis; Dogs: nodules may or may not be ulcerated		
ARASITES			1			1					
Acariasis (Mange) Numerous species of mites	•	•	•	•	•	•	bats, cattle, felids, fox, goats, horses, pigs, sheep, raccoons	10-60 days	Pruritic; secondary pyoderma; depression; anorexia; chronic infection may lead to hyperkeratotic lesions; fatal infestations may be seen in wil animals; Ferrets: pododermatitis; self-mutilation		
Baylisascariasis Baylisascaris procyonis	•				•	•	raccoons, kinkajous *Birds highly susceptible to disease	10-20 days	Dogs, Raccoons: usually asymptomatic; Rodents, Rabbits: neurological signs; circling; torticollis; ataxia; head tremors; progressive weakness; dysphagia; death		
Cysticercosis Taenia species	•					•	bears, cattle, goats, llamas, non-human primates, sheep, pigs, wild ruminants	10 days to 6 months	Severity of clinical signs depend upon number and location of larvae; Dogs, Cats: neurological signs		
Echinococcosis Echinococcus granulosus, E. multilocularis	•	•				•	cattle, sheep, goats, horses, pigs, non- human primates	unknown	Carnivores: asymptomatic; incidental finding of cysts at necropsy; Herbivores: can affect liver, abdominal cavity; ascites; hepatomegaly; dyspnea; diarrhea; vomiting; weight loss; Rodents: fatal within weeks		
Giardia Giardia intestinalis	•	•				•	beavers, cattle, sheep	5-14 days	Adults: may be asymptomatic; Young: diarrhea or soft stools; poor hair coat; flatulence; weight loss or failure to gain weight; clinical signs vary depending upon species of animal infected		
Hookworms Ancylostoma species	•	•						7-20 days	Disease will vary with parasite burden and age of the animal; severe in puppies; diarrhea; anorexia; emaciation; weakness; poor hair coat; anemia; interdigital dermatitis, death		
Roundworms Toxocara species		•						30 days	Severe in puppies and kittens; lack of growth; loss of condition; "potbellied"; parasites in vomit and feces; pneumonia; diarrhea		
Leishmaniasis Leishmania species	•	•				•	canids, horses, marsupials, non- human primates	3 months to years	Cats: cutaneous form; non-pruritic exfoliative dermatitis around eyes, ears; Dogs: cutaneous lesions; fever; anemia; lymphadenopathy; weigh loss; anorexia; ocular lesions; splenomegaly		
Taeniasis Taenia species	•	•					coyotes, fox, lynx, non-human primates, wolves	5-12 weeks	Visible passage of proglottids from anus; other signs rare but may include unthriftiness; malaise; irritability; decreased appetite; mild diarrhea or colic		
Toxoplasmosis Toxoplasma gondii		•			•	•	goats, horses, non- human primates, pigs, sheep	unknown	Most infections asymptomatic; Cats: lethargy; persistent fever; anorexia; incoordination; paralysis; retina detachment; death; Dogs: most asymptomatic		
Trichuriasis Trichuris suis, T. trichiura, T. vulpis	•						non-human primates, pigs	10-12 days	Most cases asymptomatic; mucoid or hemorrhagic diarrhea; weight los unthriftiness; anemia; death may occur in piglets		

Note: This chart provides an overview of some zoonoses of companion animals. Information presented here is not comprehensive, and should not be used to rule out a diagnosis or take the place of veterinary advice.



Additional disease information available at http://www.cfsph.iastate.edu/DiseaseInfo/. Table last reviewed January 2021

	Human Imp	act	:									
		∰ Po Sing Vo	erson-to-Person ector-Transmitted	•=	Bod	ly Sy	yste	m A	ffec	ted		
	Disease		Transmission from Animals	Septicemia	Respiratory	Intestinal	Cutaneous	Ocular	Neurologic	Death	Incubation Period	Prominent Clinical Signs and Symptoms
BA	CTERIAL											
1	Brucellosis Brucella species	!!	direct contact (infected animal tissue); inhalation	•					•		1-21 days	Flu-like signs; cyclic fever; arthritis; orchitis; epididymitis; hepatomegaly; Chronic: neurological; endocarditis
I	Campylobacteriosis Campylobacter jejuni, C. fetus, C. coli		ingestion (contaminated food, fecal-oral)			•					1-10 days	Diarrhea with or without blood; fever; nausea; vomiting; abdominal pain; headache; muscle pain
	Cat Scratch Fever Bartonella henselae		direct contact (scratch or bite of cat)				•				3-20 days	Self-limiting; mild to severe skin rash at site of inoculation; lymphadenopathy; fever; malaise; fatigue; complications or atypical signs for 5-16% of cases
ľ	Chlamydiosis (mammals) Chlamydophila abortus, C. felis		ingestion (fecal-oral); inhalation; direct contact (birthing tissues)	•							unknow n	Fever; headache; vomiting; abortion; pelvic inflammatory disease; septicemia; hepatitis; kidney dysfunction; disseminated intravascular coagulation
1	Ehrlichiosis Ehrlichia, Neorickettsia, Anaplasma	Ś	ticks		•	•	•	•	•		7-10 days	Headache; fever; chills; myalgia; vomiting; diarrhea; conjunctivitis; cough; confusion; children may develop a rash; severe in immunosuppressed patients
1	Leptospirosis Leptospira species		ingestion (contaminated water); inhalation; direct contact (urine)		•			•	•		7-12 days	Biphasic illness; fever; headache; chills; severe leg myalgia; conjunctival injection; jaundice; aseptic meningitis; cough; dyspnea; acute renal failure; abortion
I	Lyme Disease Borrelia burgdorferi	Ś	ticks				•				7-14 days	"Bulls- eye" rash with central clearing; malaise; fatigue; fever; headache; stiff neck; myalgia; arthralgia; lymphadenopathy; chronic recurring arthritis
ľ	Plague Yersinia pestis		direct contact (infected animal); fleas; inhalation	•	•						1-6 days	Flu-like signs; enlarged tender lymph nodes – "buboes"; rapid pneumonia; respiratory failure; toxemia; shock; death
1	Psittacosis Chlamydophila psittaci		inhalation (infected bird dander, droppings, secretions)		•		•		•		7-28 days	Flu-like signs; rash; extensive pneumonia; endocarditis; myocarditis; encephalitis
I	Q Fever Coxiella burnetii	Ś	direct contact (infected body fluids); inhalation; ticks		•			•	•		10-40 days	Flu-like signs; profuse sweating; severe headache; pneumonitis, no cough or chest pain; hepatitis; osteomyelitis; arteritis; endocarditis; neurologic signs; in- utero death; placentitis
	Rocky Mountain Spotted Fever Rickettsia rickettsii	Ŗ	ticks			•	•	•	•		2-14 days	Fever; chills; malaise; headache; myalgia; vomiting; diarrhea; edema of the face or extremities; conjunctivitis; non-pruritic macular rash, may involve palms of hands or soles of feet; coma
	Salmonellosis Salmonella species	Ħ	ingestion (fecal-oral)	•		•			•		to	Acute enterocolitis; headache; abdominal pain; fever; diarrhea; nausea; septicemia; meningitis. May be severe in the very young, elderly, or immunosuppressed
	Streptococcosis Streptococcus canis, S. equi subsp. zooepidemicus, S. iniae, S. suis		ingestion (contaminated food); inhalation; direct contact (infected animal)	•	•		•		•		hours to 3 days	Pharyngitis; pyoderma; abscesses; cellulitis; endocarditis; polyarthritis; pneumonia; septicemia; streptococcal toxic shock syndrome
	Tularemia Francisella tularensis	Ś	arthropods (ticks, deer flies, mosquitoes); direct contact; inhalation; ingestion	•	•	•	•	•			1-14 days	Flu-like signs; exhaustion; ulcerative lesion; enlarged painful lymph nodes; painful purulent conjunctivitis; abdominal pain; diarrhea; vomiting; chest pain; respiratory distress; pneumonia; sepsis; death

Note: This chart provides an overview of some zoonoses of companion animals. Information presented here is not comprehensive, and should not be used to rule out a diagnosis or take the place of veterinary advice.



Additional disease information available at http://www.cfsph.iastate.edu/DiseaseInfo/. Table last reviewed January 2021



Human Impact											
	异 Pe	erson-to-Person ector-Transmitted	•=	Bo	dy S	yste	em A	Affe	cteo	k	
Disease		Transmission from Animals	Septicemia	Septicemia Respiratory	Intestinal	Cutaneous	Ocular	Neurologic	Death	Incubation Period	Prominent Clinical Signs and Symptoms
IRAL											
Influenza Influenzavirus	ŧ	inhalation; direct contact (nasal secretions)		•	•					1-4 days	Fever; chills; anorexia; headache; myalgia; weakness; sneezing; rhinitis; sore throat; non-productive cough; pneumonia; nausea, vomiting, otitis media in children; death
Rabies Lyssavirus	Ħ	direct contact; organ transplant						•		1-3 months	Headache; fever; malaise; abnormal behavior; paresis or paralysis; difficulty swallowing; delirium; convulsions; death
UNGAL											
Cryptococcosis Cryptococcus neoformans		inhalation (infected bird droppings)		•				•		unknow n	Most asymptomatic; fever; malaise; coughing; chest pain; dyspnea; headache; weight loss; meningo-encephalitis in immunosuppressed patients; death
Dermatophytosis Microsporum species, Trichophyton species		direct contact (infected animal)				•				7-14 days	"Ringworm", raised, inflamed, pruritic, circular lesion with central clearing; alopecia; thick, discolored nails; may disseminate in immunosuppressed patients
Sporotrichosis Sporothrix schenckii		Direct contact (cat, plant material); inhalation		•		•				3-12 weeks	Cutaneous most common; pustule at site of inoculation; progresses to slow-healing ulcerations; infection of lymphatic vessels; pulmonary and disseminated forms rare
ARASITIC		-	_	-	-				-		
Acariasis (Mange) Numerous species of mites		direct contact (infected animal)				•				1-4 days	Severe pruritus on arms, chest, abdomen, thighs; macules, papules, pustules; possible severe painful dermatitis with allergic reactions and chronic lesions
Baylisascariasis Baylisascaris procyonis		ingestion (fecal-oral)		•			•	•		7-30 days	Symptoms vary with number and location of larvae; fever; nausea; lethargy; hepatomegaly; pneumonitis; neurological signs; brain damage; blindness; death
Cysticercosis Taenia species	**	ingestion (fecal-oral)					•	•		10 days to years	Symptoms vary with number and location of larvae; chronic headaches, seizures most common; stroke; focal neurologica signs; blurred vision; death
Echinococcosis (hydatid disease) Echinococcus granulosus, E. multilocularis		ingestion (fecal-oral)		•	•		•	•		months to years	Asymptomatic; signs associated with mass lesion; liver and lungs most common; abdominal pain; vomiting; jaundice; liver failure; cough; chest pain; blindness; seizures
Giardiasis Giardia intestinalis	Ħ	ingestion (contaminated water, fecal-oral)			•						Sudden onset of diarrhea with foul-smelling stools; abdominal cramps; bloating; flatulence; nausea; fatigue; dehydration; chronic infections may occur
Larva Migrans (cutaneous) Ancylostoma species		direct contact (larvae)				•				7-14 days	Pruritus; winding threadlike cutaneous lesion with erythema and swelling
Larva Migrans (visceral, ocular) Toxocara species		ingestion (fecal-oral)		•	•		•	•		weeks to months	Severe in young children; fever; cough; hepatomegaly; pneumonia; ocular invasion; vomiting; weakness; anorexia; arthralgia; myalgia; lymphadenopathy
Leishmaniasis Leishmania species	Ś	sand flies				•				7 days to years	Cutaneous: papule; ulcer; may be chronic; Visceral: prolonged undulant fever; splenomegaly; hepatomegaly; fatal if untreated
Taeniasis Taenia species		Ingestion (undercooked beef or pork)			•					10 days to years	Asymptomatic; symptoms more common in children; abdominal pain; diarrhea or constipation; nausea; weight los
Toxoplasmosis Toxoplasma gondii		ingestion (fecal-oral, undercooked meat)						•		5-23 days	Flu-like signs; fetal death; congenital abnormalities, (hydrocephaly, microcephaly); severe in immunocompromised; encephalitis
Trichuriasis Trichuris suis, T. trichiura, T. vulpis		ingestion (fecal-oral)			•					variable	Asymptomatic; chronic diarrhea; abdominal pain; nausea; vomiting; flatulence; headache; weight loss; anemia; childrer may develop rectal prolapse

Note: This chart provides an overview of some zoonoses of companion animals. Information presented here is not comprehensive, and should not be used to rule out a diagnosis or take the place of veterinary advice.



Additional disease information available at http://www.cfsph.iastate.edu/DiseaseInfo/. Table last reviewed January 2021

Page 2 of 2