

## Work Health and Safety

### INDEX OF ZONOSES

(Reproduced - Infection Control Guidelines for Animal Contact QLD Health)

Route of transmission	Disease	Main animal reservoir	Clinical effects	Prevention
<b>Gastrointestinal</b>  (Faecal – Oral route)  (Can also be water or food-borne)	Campylobacter infection	Cattle, sheep, poultry, other birds, wildlife, pigs, rodents,	Diarrhea, mild fever, stomach cramps, nausea and vomiting	Hand-washing And avoiding placing fingers, objects, etc. in mouth  Consuming only pasteurized or boiled milk  Worm and other gastro enteric parasite control programs for animals Avoid contact with faeces or potentially contaminated materials  Avoid eating contaminated meats
	Cryptosporidiosis, Giardiasis	Cattle and other domestic animals, macropods	Watery diarrhea, stomach cramps, fever, vomiting and anorexia	
	Salmonellosis	Reptiles, cattle and sheep, horses, pigs, poultry	Diarrhoea, fever, stomach cramps, nausea and vomiting	
	Shiga toxin producing E.coli	Cattle and sheep	Diarrhoea +/- blood. In severe cases, kidney and brain injury	
	Hydatids	Dogs, including native and feral	Slow growing fluid filled cysts, mainly on liver or lungs.	
	Toxoplasmosis	Cats, while intermediate hosts include sheep, goats, rodents, pigs, cattle, chickens, birds and other animals	May be asymptomatic or acute with fever and swollen lymph glands – can cause birth defects	
	Toxocariasis	Dogs and cats, especially puppies	Flu-like illness with rash and wheezing. Blindness (rarely)	
	Yersiniosis	Wild and domestic birds and mammals,	Fever, diarrhoea and abdominal pain	

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Dermal  (Direct contact with mucous membranes, skin or coat of animal)	Orf	Sheep, goats	Lesion on hands, arms or face	Good personal hygiene. Wash exposed area with soap and water.
	Mites (e.g. scabies)	All animals	Itchy, red, inflamed skin lesions	Minimise intimate contact with animals.  Screen animals routinely for skin parasites or conditions and treat using approved products
	Aquatic dermatoses: Mycobacteria, Erysipelothrix, Vibrio species, Pseudomonas	Aquatic mammals, fish crustacean, molluscs, echinoderms	Skin plaques, nodules, and ulcers. Often itchy or painful. Sometimes slow growing and persistent. Usually on hands.	Care with contact, especially skin puncture due to spines, bites. Avoid contact with contaminated tank water

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Respiratory  (Inhalation of droplets, dust, faeces)	Psittacosis	Birds	Fever, headache, rash, myalgia, chills, respiratory disease.	Hand-washing and personal hygiene.  Avoid disturbing birds in cages, as this produces dust. Keep cages clean.  Minimise stress on birds
	Q Fever	Cattle, sheep, goats, cats, macropods.	Abrupt onset of fever, chills, profuse sweating, severe headache, fatigue, nausea.	Human vaccination.  Avoid inhaling droplets from animal birth products, urine, milk and faeces.  Avoid inhaling dust from contaminated materials (e.g. clothing, straw, wool or hides)  Consume only pasteurised or boiled milk.
	Hendra virus	Horses	Pneumonitis, coma and death	Hand washing and personal hygiene  Quarantine of ill animals

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<b>Bites, scratches, trans-membrane</b>	Leptospirosis	Cattle, including dairy herds, rats, pigs	Sudden onset of fever, headache, chills, muscle aches, conjunctivitis, rash	Protective clothing  Hand-washing and hygiene  Vaccination of animals
	Australian Bat Lyssavirus  (Rabies- like virus)	Bats and flying foxes	Loss of brain function, encephalitis, death	Human vaccination  Avoid contact with bats and their environs
	Tetanus	Many animal reservoirs	Lockjaw, painful muscular contractions	Human vaccination
	Cat scratch fever and wound infections from bites	Cats, dogs, rodents	Flu-like symptoms, painful lymph node swelling, occasionally more severe forms	Avoid bites, scratches, and dangerous animals.  Use gloves and proper restraint