

## POSSIBLE ZONOOSES OF BIRDS

\*Wearing the recommended personal protective equipment will make the transmission of diseases less likely.

<b>PATHOGEN</b>	<b>TRANSMISSION</b>	<b>ANIMAL DISEASE</b>	<b>HUMAN DISEASE</b>
<b><i>Cryptosporidium spp.</i></b>	<ul style="list-style-type: none"> <li>• Direct contact, fecal-oral, inhalation</li> </ul>	<ul style="list-style-type: none"> <li>• dysnea, cough, stunted growth, diarrhea</li> <li>• may have high mortality</li> </ul>	<ul style="list-style-type: none"> <li>• immunocompromised patients are highly susceptible to severe, persistent diarrhea</li> </ul>
<b><i>Aspergillosis</i></b>	<ul style="list-style-type: none"> <li>• Direct contact</li> <li>• Inhalation</li> </ul>	<ul style="list-style-type: none"> <li>• fever, anorexia, respiratory distress</li> <li>• diarrhea, emaciation, high mortality</li> </ul>	<ul style="list-style-type: none"> <li>• bronchopneumonia</li> <li>• more severe in debilitated patients</li> </ul>
<b><i>Chlamydia psittaci</i> (<i>Psittacosis</i>)</b>	<ul style="list-style-type: none"> <li>• Inhaling aerosolized respiratory secretions or contact with feces</li> </ul>	<ul style="list-style-type: none"> <li>• usually subclinical</li> <li>• conjunctivitis is most common sign</li> <li>• pleuritis, diarrhea</li> </ul>	<ul style="list-style-type: none"> <li>• usually mild respiratory illness</li> <li>• fever, chills, muscle ache, pneumonia</li> <li>• very severe in the elderly, can be fatal</li> </ul>
<b><i>Cryptococcus neoformans</i></b>	<ul style="list-style-type: none"> <li>• Inhalation</li> <li>• Contact with open wound</li> </ul>	<ul style="list-style-type: none"> <li>• subclinical</li> </ul>	<ul style="list-style-type: none"> <li>• cutaneous lesions</li> <li>• meningitis</li> </ul>
<b><i>Mites</i> (<i>Dermanyssus spp.</i>, <i>Ornithonyssus spp.</i>)</b>	<ul style="list-style-type: none"> <li>• Direct contact</li> </ul>	<ul style="list-style-type: none"> <li>• anemia, alopecia, erythema</li> <li>• dirty plumage</li> </ul>	<ul style="list-style-type: none"> <li>• painful bites: erythema, edema, allergic dermatitis</li> </ul>
<b><i>Influenza</i></b>	<ul style="list-style-type: none"> <li>• Direct contact, inhalation</li> </ul>	<ul style="list-style-type: none"> <li>• anorexia, coughing, sinusitis, edema, cyanosis, neurologic signs, diarrhea</li> </ul>	<ul style="list-style-type: none"> <li>• anorexia, coughing, sneezing, lacrimation, sinusitis, fever, muscle aches</li> </ul>
<b><i>Fowl Cholera</i> (<i>Pasteurella spp.</i>)</b>	<ul style="list-style-type: none"> <li>• Fecal-oral, direct contact</li> </ul>	<ul style="list-style-type: none"> <li>• acute septicemia, edema, cyanosis</li> <li>• problem results from poor hygiene</li> </ul>	<ul style="list-style-type: none"> <li>• wound infection, septic arthritis, osteomyelitis, bronchitis, pneumonia</li> </ul>
<b><i>Mycobacterium spp.</i></b>	<ul style="list-style-type: none"> <li>• Inhalation, ingestion</li> </ul>	<ul style="list-style-type: none"> <li>• progressive diarrhea, wasting, lameness</li> </ul>	<ul style="list-style-type: none"> <li>• pulmonary disease in adults</li> <li>• soft tissue abscesses, ulcers, granulomas</li> </ul>
<b><i>Newcastle's Disease</i> <i>Paramyxovirus</i></b>	<ul style="list-style-type: none"> <li>• Aerosolized particles</li> <li>• Infected food or water</li> </ul>	<ul style="list-style-type: none"> <li>• anorexia, respiratory disease, neurologic signs</li> </ul>	<ul style="list-style-type: none"> <li>• conjunctivitis, fever, respiratory infection</li> </ul>
<b><i>Campylobacter</i></b>	<ul style="list-style-type: none"> <li>• Fecal-oral</li> </ul>	<ul style="list-style-type: none"> <li>• asymptomatic</li> <li>• diarrhea, anorexia</li> </ul>	<ul style="list-style-type: none"> <li>• diarrhea, abdominal pain, fever</li> </ul>
<b><i>Salmonella</i></b>	<ul style="list-style-type: none"> <li>• Fecal-oral</li> </ul>	<ul style="list-style-type: none"> <li>• asymptomatic</li> <li>• diarrhea</li> </ul>	<ul style="list-style-type: none"> <li>• diarrhea, abdominal pain, fever</li> </ul>

### References

Acha, PN; B Szyfres. 1989. Zoonoses and Communicable Diseases Common to Man and Animals. Pan American Health Organization, Washington, D.C. AAAP Manual  
 Burr, EW. 1987. Companion Bird Medicine. Iowa State University Press, Ames, IA.