

# Pets, Parasites and People

Companion Animal Parasite Council

[www.petsandparasites.org](http://www.petsandparasites.org)

Dogs and cats are not just pets. They are treated like members of the family. And like any member of your family, it's important to keep your companion animal healthy and free of parasites.

It is fairly common for a dog or cat to become infected with an internal or external parasite at some point in its lifetime. Parasites can affect your pet in a variety of ways, ranging from simple irritation to causing life-threatening conditions if left untreated. Some parasites can even infect and transmit diseases to you and your family.

Your veterinarian can help prevent, accurately diagnose and safely treat parasites and other health problems that not only affect your dog or cat, but also the safety of you and your family.

For more information on how parasites affect your dog or cat, the health risks to people and prevention tips, please visit us at [www.petsandparasites.org](http://www.petsandparasites.org).

## What is a zoonotic disease?

Zoonoses, or zoonotic diseases, are those diseases that can be transmitted directly or indirectly from animals to humans. For example, some worms can be transmitted in the environment.

## What is a vector-borne disease?

Vector-borne diseases are those transmitted by fleas or ticks among other parasites that infest dogs and cats. They can affect pets and people. Ticks can transmit a large number of "vector-borne" diseases in North America including ehrlichiosis, Lyme disease, relapsing fever, Rocky Mountain spotted fever and tularemia.

## Parasites that may affect your pet

- Coccidia • Giardia • Mange Mites • Ticks
- Ear Mites • Heartworms • Roundworms • Toxoplasmosis
- Fleas • Hookworms • Tapeworms • Whipworms

## Common questions about pets and parasites

*Do fleas and ticks on my pet present a health risk to my family?*

Yes. Fleas and ticks can carry and either directly or indirectly transmit several potential illnesses of humans. For example, rickettsiosis (infection with Rickettsia) can be transmitted directly by ticks. Bartonellosis (infection with Bartonella) is transmitted between cats by fleas and then may spread to people. Also, fleas serve as an intermediate host for tapeworms, which can infect both your pet and humans.

*What kind of internal parasites or worms can infect my cat or dog?*

There are a number of intestinal worms that can infect dogs and cats, and they vary according to the species. In general, these include roundworms, hookworms, whipworms and tapeworms, and they are very prolific. In fact, one worm can produce more than 100,000 eggs per day, which are then passed in the pet's feces and spread throughout the area the pet roams. Once in the environment, some of these eggs can remain infective and present a health risk for your pet and humans for years.

### *Are heartworms a parasite I should be concerned about for my pet?*

Yes. Heartworms can be a very serious problem for both dogs and cats, especially those in mosquito-infested areas, as mosquitoes are a vector and intermediate host for the pest. Heartworms can kill or seriously debilitate pets that are infected with them. That's because heartworms live in the bloodstream, lungs and heart of infected pets. Your veterinarian can do a blood test to determine if your pet has heartworm disease. A year-round preventive program is most effective to keep pets free of heartworms.

### *If my dog or cat has intestinal worms, how can these parasites infect humans?*

Roundworms are the most common intestinal parasite of pets and the most likely to be transmitted to humans.

Humans can accidentally ingest infective worm eggs that have been passed through the pet's feces and left in the environment. The eggs can then hatch in the human's intestinal tract, and the immature worms can travel to various tissues in the body, including the eyes and brain, potentially causing serious infections.

For more frequently asked questions and answers, please visit us at [www.petsandparasites.org](http://www.petsandparasites.org) or consult with your veterinarian.

## **Reducing risks for your family**

You can reduce the risk of parasitic infection to your family by eliminating parasites from pets; restricting access to contaminated areas, such as sandboxes, pet "walk areas," and other high-traffic areas; and practicing good personal hygiene. Disposing of pet feces on a regular basis can help remove potentially infective worm eggs before they become distributed in the environment and are picked up or ingested by pets or humans.

## **Year-round prevention**

Parasites can infect your pet any time of year. External parasites, such as fleas and ticks, may be less prevalent outside during certain times of the year; however, they often survive in the house during the winter months, creating an uninterrupted life cycle. Other internal parasites, such as worms, may affect your pet all year long. That's why it's important to consult with your veterinarian to implement a year-round parasite control program.

## **What can I do?**

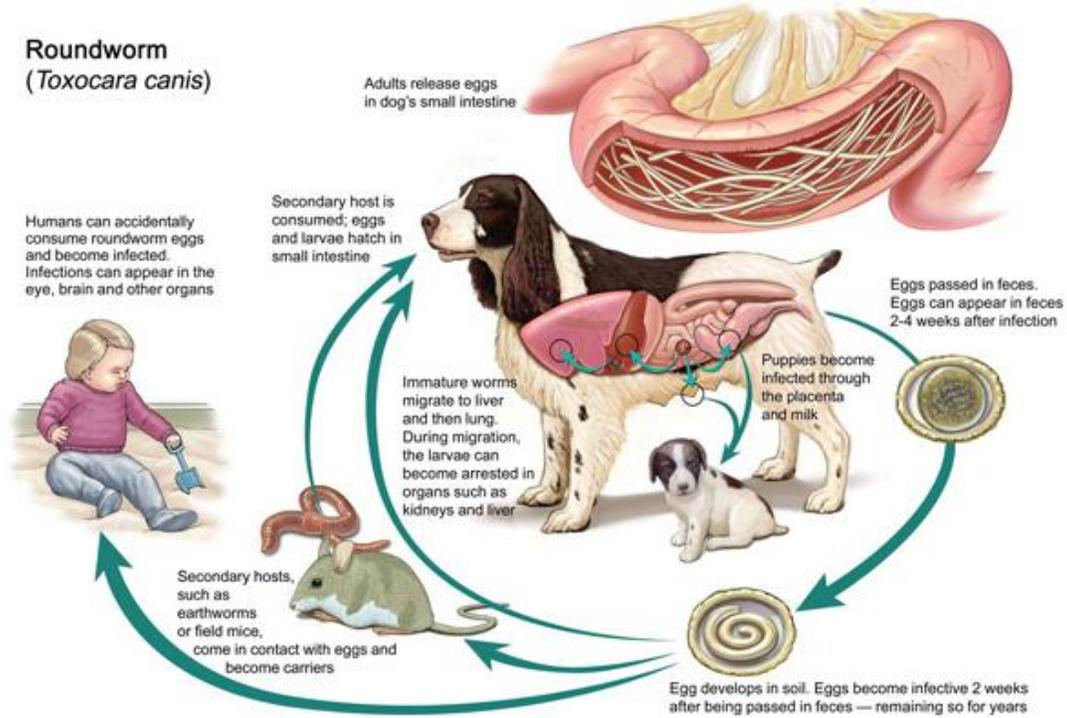
Responsible pet parasite control can reduce the risks associated with transmission of parasitic diseases from pets to people. By following a few simple guidelines, pet owners can better protect their pets and their family.

- Practice good personal hygiene.
- Use a preventative flea and/or tick treatment year-round.
- Only feed pets cooked or prepared food (not raw meat).
- Minimize exposure to high-traffic pet areas.
- Clean up pet feces regularly.
- Visit your veterinarian for annual testing and physical examination.
- Administer worming medications as recommended by your veterinarian.
- Ask your veterinarian about parasite infection risks and effective year-round preventative control measures administered monthly.

For more important information about parasite control guidelines, ask your veterinarian or visit us at [www.petsandparasites.org](http://www.petsandparasites.org).

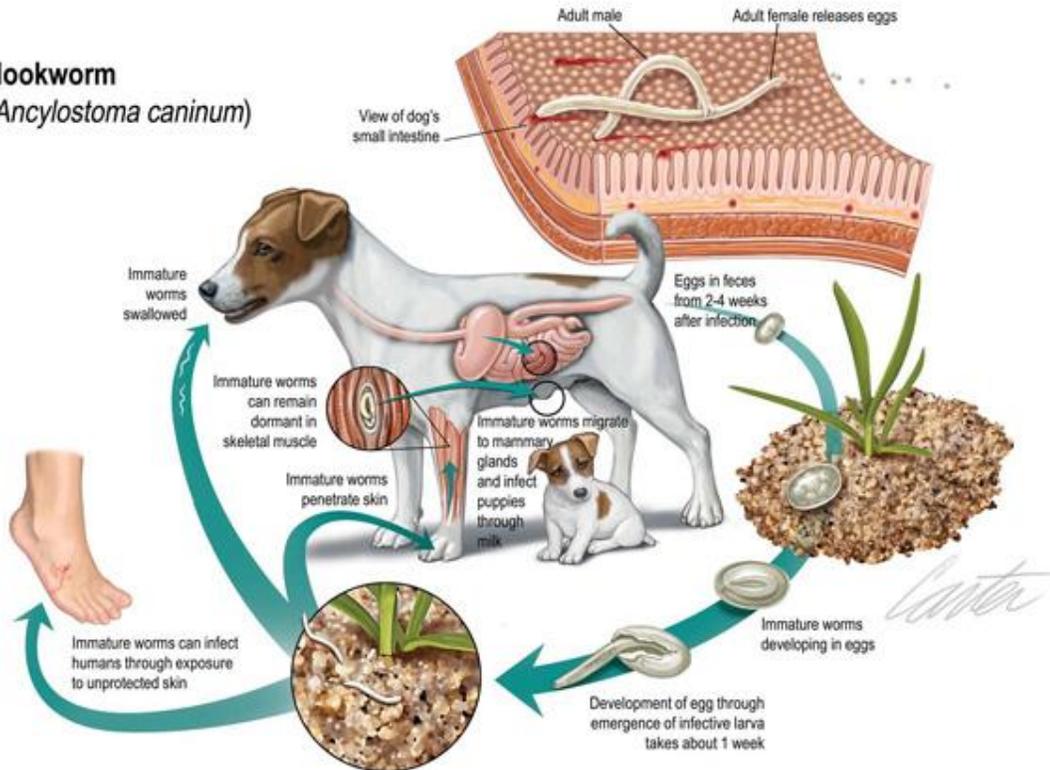
## The Roundworm Life-Cycle

### Roundworm (*Toxocara canis*)



## The Hookworm Life-Cycle

### Hookworm (*Ancylostoma caninum*)



## The Companion Animal Parasite Council

The Companion Animal Parasite Council (CAPC) is an independent council of veterinarians and other animal healthcare professionals established to create guidelines for the optimal control of internal and external parasites that threaten the health of pets and people. It brings together broad expertise in parasitology, internal medicine, public health, veterinary law, private practice and association leadership. Initially convened in 2002, CAPC was formed with the express purpose of changing the way veterinary professionals and pet owners approach parasite management. The CAPC advocates best practices for protecting pets from parasitic infections and reducing the risk of zoonotic parasite transmission.

For more information about how parasites may affect your pet, please visit us at [www.petsandparasites.org](http://www.petsandparasites.org).

*CAPC Platinum Sponsors CAPC Gold Sponsors CAPC Silver Sponsors*

**Boehringer Ingelheim** Intervet/Schering-Plough

**Vetmedica, Inc.** Animal Health

**Merial Limited** Ceva Animal Health • StatSpin

VCA ANTECH • Virbac Animal Health

*CAPC Guidelines are endorsed by:*

©2011 Companion Animal Parasite Council. All rights reserved. 3/11