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**Humane Society**  
of Santa Clara Valley

# Parvovirus



## FACT SHEET

**What is Parvovirus?** Canine parvovirus, or "parvo" as it is commonly known, is a virus that usually attacks the canine intestinal tract (canine parvovirus enteritis) and, in puppies under 5 weeks old (myocarditis). First identified in the late 1970's, the virus is one of the most resistant known; it is able to withstand heat, cold, and most common disinfectants.

**How is it transmitted?** Parvo is transmitted through the feces and vomit of infected dogs and puppies. Dogs become infected by ingesting the virus. The virus can live in the feces for about two weeks and can exist in the environment (such as on floors or cages) for 6 months. The virus is easily transmitted by "fomites" such as the hands, clothing, or shoes of anyone who comes in contact with it. It is effectively killed by a 1:32 dilution of sodium hypochlorite (bleach).

**What are the signs?** Signs appear after the disease's incubation period. The incubation period can last from 3 to 12 days after exposure but usually occurs within 5 to 7 days of exposure. The initial signs of parvo include loss of appetite, vomiting, dehydration, lethargy, fever, and depression. These are often accompanied by malodorous gray- or yellow-colored feces or diarrhea with or without blood. Some dogs infected with the virus exhibit no symptoms and never become ill, while others show a few of these signs and recover quickly. Some, however, become severely ill, and succumb within 48-72 hours after first exhibiting symptoms.

**Which dogs get it?** Although the virus can attack dogs and puppies of any age, it is most commonly found in dogs under one year old. The highest incidence is seen in puppies 6 to 24 weeks old. Most adult dogs are immune because they are either vaccinated or exposed to the illness when they were young. Several studies suggest that certain breeds, including Dobermans and Rottweilers, are more susceptible to the disease than other breeds. Studies have also indicated that unsterilized animals may be at greater risk than those who have been spayed or neutered. (Animals who have been spayed or neutered are more likely to have been vaccinated and are less likely to roam, thereby reducing their chances of coming in contact with the virus.)

**How is parvo treated?** Treatment involves supportive care while the viral infection runs its course. This usually includes hospitalization, intravenous fluid replenishments, and medication (to control vomiting, diarrhea, and secondary infections).

**How is parvo prevented?** The best way to help prevent dogs from getting parvo is to vaccinate them against the virus and keep them under control, puppies may not be effectively vaccinated until they are 21 weeks old; dogs allowed to roam are more likely to come into contact with the virus. Shelters can prevent an outbreak by instituting a vaccination program; ensuring that their kennels are disinfected with a product proven to kill viruses; carefully evaluating and monitoring all animals; minimizing "fomite" transmission; and educating staff and the public about the disease.