

## Required Vaccines

- Bordetella (kennel cough) required yearly – Kennel cough is easily spread from dog to dog through aerosol droplets, direct contact, or contact with contaminated surfaces like food and water bowls, toys, and kennel runs – a lot like how the common cold is spread in schools. Kennel cough is highly contagious, which is why we require the vaccine! It is in the best interest for our facility and your dog's health.
- Rabies (either 1- or 3-year vaccine accepted) – Rabies is a very serious disease transmitted through saliva either from bite wounds or saliva contact with open wounds. Vaccination for rabies is required by the City of Perham.
- Distemper or Distemper combo shots such as DHPP or DHLPP (either 1- or 3-year vaccine accepted) – The DHLPP vaccine is a combo vaccine, which means there are multiple vaccines put into one injection.
  - Distemper is a paramyxovirus, which is like human measles. It can cause fever, poor appetite, pneumonia and can continue on to cause neurological symptoms and death. It is transmitted mainly through saliva.
  - Hepatitis is a disease caused by an adenovirus, it primarily causes liver failure, but can also affect the eyes and kidneys. It is transmitted through bodily fluids, especially nasal discharge and urine.
  - Parainfluenza is one of the several agents that can be a part of kennel cough. This virus causes mild disease unless combined with another virus or the Bordetella bacteria. Symptoms are a dry hacking cough and watery nasal discharge, but it can progress to pneumonia. It is transmitted through saliva and nasal discharge.
  - Parvovirus can cause severe, bloody diarrhea, severe dehydration, electrolyte imbalances, and frequently death. It is a very hardy virus and can live in the environment for months under the right conditions. (this one sounds harsh, maybe want to change the wording/ description?)
  - Leptospirosis is a bacteria found in many different outdoor environments. The symptoms can be kidney or liver failure, severe lethargy, fever, upset

stomach, etc. Permanent kidney damage can also occur. It is transmitted through urine with contaminated water a likely source.

- DHPP is the above vaccine without Leptospirosis.