**PARVOVIRUS**
Parvo, Panleukopenia (cats), Feline Distemper
CPV, FPV

**AFFECTED SPECIES**
- Dogs
- Cats

**SYMPTOMS**
- Vomiting
- Anorexia
- Diarrhea
- Lethargy
- Sudden death
- Failure to thrive

**PREVENTION**
- Vaccination
- Double Compartment Housing
- Sanitation/Biosecurity
- Capacity for Care, Length of Stay, prevent crowding

**INCUBATION PERIOD**
- up to 14 days
  
  (3-7 typical)

**TRANSMISSION**
- Direct Contact
- Contaminated Surfaces/Environment

**MITIGATE SPREAD**
- Parvo snap test (fecal antigen test), in-house; suspect animals
- Titer testing (in-house or send out; Risk assessment of exposed animals)
- Clean break (protect newly admitted animals from exposure)
- Address Capacity for Care issues
- Evaluate sanitation and biosecurity protocols
CANINE DISTEMPER VIRUS (CDV)

**AFFECTED SPECIES**
- Dogs
- Cats
- Rabbits
- Ferrets
- Humans

**SYMPTOMS**
- Kennel cough
- Pneumonia
- Diarrhea
- Lethargy
- Neurologic signs
- Death

**TRANSMISSION**
- Direct Contact
- Aerosolization

**INCUBATION PERIOD**
- up to 6 weeks
  - (1-2 weeks typical)

**PREVENTION**
- Vaccination
- Housing (ventilation)
- Sanitation/Biosecurity
- Prevent crowding/comingling
- Capacity for Care, Length of Stay

**MITIGATE SPREAD**
- PCR testing (send-out; suspect animals)
- Titer testing (in-house or send out; risk assessment of exposed animals)
- Clean break (protect newly admitted animals from exposure)
- Address Capacity for Care issues
FELINE CALICIVIRUS
Feline Upper Respiratory Infection (URI), Virulent Systemic Calicivirus, FCV

AFFECTED SPECIES
- Cat
- Ferret
- Human

SYMPTOMS
- Mild to severe URI/pneumonia
- Conjunctivitis
- Oral ulceration
- Rare mutation to Virulent Systemic form: Pneumonia, facial/limb swelling (edema), skin ulceration, death

PREVENTION
- Vaccination
- Sanitation/Biosecurity
- Prevent crowding
- Capacity for Care, Length of Stay

INCUBATION PERIOD
2-6 days
*Many cats are asymptomatic

TRANSMISSION
- Direct Contact
- Contaminated Surfaces/Environment

MITIGATE SPREAD
- PCR testing (send-out; suspect animals), detects calicivirus, tests cannot differentiate typical strains from virulent systemic strains).
- Clean Break (protect newly admitted animals from exposure)
- Address Capacity for Care issues
- Evaluate sanitation and biosecurity protocols
FELINE HERPESVIRUS
Endemic Feline Upper Respiratory Infection (URI), Feline Rhinotracheitis, FHV, FVR

**SYMPTOMS**
- Mild to severe URI/pneumonia
- Conjunctivitis
- Corneal ulcers
- Oral ulceration
- Skin lesions (rare)
- Can be recurrent with stress

**INCUBATION PERIOD**
2-5 days for new infection
*4-11 days for recurrence following stress

**PREVENTION**
- Double Compartment Housing
- Stress Mitigation
- Vaccination
- Prevent crowding
- Capacity for Care, Length of Stay

**TRANSMISSION**
- Direct Contact
- Reactivation of dormant virus

**MITIGATE SPREAD**
- Assess for and mitigate sources of stress for shelter cats
- Address Capacity for Care issues

**AFFECTED SPECIES**
- Cats
- Dogs
- Rabbits
- Kinds

**INFORMATION SOURCES**
- MADDIE’s Million Pet Challenge
- Learniverse
KENNEL COUGH
Canine Infectious Respiratory Disease Complex (CIRDC)

A variety of pathogens can cause Kennel Cough: Bordetella, Adenovirus, Parainfluenza, Influenza, Respiratory Coronavirus, Distemper, Herpesvirus, Streptococcus zooepidemicus, Mycoplasma

**AFFECTED SPECIES**
- Canines
- Felines
- Rodents
- Mammals

**SYMPTOMS**
- Mild to severe URI/pneumonia
- Coughing
- Sneezing
- Conjunctivitis

**INCUBATION PERIOD**
2-10 days
*varies by pathogens

**PREVENTION**
- Housing (good ventilation)
- Prevent crowding
- Capacity for Care, Length of Stay
- Vaccination

**TRANSMISSION**
- Direct Contact
- Aerosolization
- Contaminated Surfaces/Environment

**INCUBATION PERIOD**
2-10 days
*varies by pathogens

**MITIGATE SPREAD**
- Protect newly admitted animals from exposure
- Assess ventilation and correct deficiencies
- Address Capacity for Care issues
- PCR testing (send-out; suspect animals, not routinely indicated unless unusually severe cases or more animals than usual affected)
STREPTOCOCCUS ZOOEPIDEMICUS

"Strep Zoo"

**AFFECTED SPECIES**

- Dogs
- Cats
- Ferrets
- People

**SYMPTOMS**

- Mild upper respiratory signs (nasal discharge, coughing, sneezing)
- Fever
- Often progresses to hemorrhagic pneumonia
- Nose bleeds
- Respiratory distress
- Death

**TRANSMISSION**

- Direct Contact
- Moist Environments
- Aerosolization
- Contaminated Surfaces/Environment
- Crowding

**PREVENTION**

- Sanitation/Biosecurity
- Reduce Length of Stay
- Reduce Crowding
- Capacity for Care
- Effective Drying

**INCUBATION PERIOD**

up to 1 week

**MITIGATE SPREAD**

- PCR testing (send-out; suspect animals. Not routinely indicated unless unusually severe cases or more animals than usual affected)
- Rapid administration of appropriate antibiotics for exposed animals
- Protect newly admitted animals from exposure
- Address Capacity for Care issues

**MITIGATION**

- Effective Drying
- Reduce Length of Stay
- Reduce Crowding
- Sanitation/Biosecurity
- Capacity for Care

**LEARNIVERSE**

- MADDIE MILLION PET CHALLENGE
**FELINE CORONAVIRUS/ FELINE INFECTIOUS PERITONITIS**
FeCoV, FIP

**AFFECTED SPECIES**

- Mild diarrhea
- Mild URI
- May be completely asymptomatic
- Uncommon FIP mutation: vague initial signs (lethargy, decreased appetite, weight loss, fever). Late fluid accumulation in the chest and/or abdomen, inflammation in eyes, neurologic signs, or other internal organs. Death.

**PREVENTION**

- Double Compartment Housing
- Stress Management
- Do not mix kittens
- Limit group housing to 3-4 cats
- Prevent crowding
- Capacity for Care, Length of Stay

**INCUBATION PERIOD**

- FeCoV: 0-7 days
- FIP: highly variable

**SYMPTOMS**

- Mild diarrhea
- Mild URI
- May be completely asymptomatic
- Uncommon FIP mutation: vague initial signs (lethargy, decreased appetite, weight loss, fever). Late fluid accumulation in the chest and/or abdomen, inflammation in eyes, neurologic signs, or other internal organs. Death.

**TRANSMISSION**

- Direct Contact
- Contaminated Surfaces/Environment

**MITIGATE SPREAD**

- PCR testing (send-out; FIP suspect animals), detects feline coronavirus, tests cannot differentiate typical coronavirus strains from strains that cause FIP
- Address Capacity for Care issues
**FELINE IMMUNODEFICIENCY VIRUS (FIV)**

**AFFECTED SPECIES**
- Humans
- Cats
- Dogs
- Rabbits
- Birds
- Fish

**SYMPTOMS**
Highly variable progression and often non-specific presenting signs. Some cats remain asymptomatic.

- Rough haircoat
- Fevers
- Secondary infections (often recurrent)
- Cancer (young cats)
- Anorexia
- Rough coat
- Enlarged lymph nodes
- Lethargy
- Neurologic disease

**PREVENTION**
- Spay/Neuter (TNR)
- Testing

**INCUBATION PERIOD**
Up to 6 months (highly variable)

**TRANSMISSION**
- Direct Contact
- Saliva

**MITIGATE SPREAD**
- Antibody tests (in-house; suspect animals)
- Avoid indiscriminate mixing of unhealthy cats in group housing, and have a variety of housing options available
**RABBIT HEMORRHAGIC DISEASE VIRUS**

Rabbit Calicivirus, RHDV-2, RHDV

**AFFECTED SPECIES**

- Sudden death (where multiple rabbits live on the same premises, death rates can reach 100%)
- Bleeding from nose or other orifices
- Neurologic, respiratory, and/or gastrointestinal signs

**PREVENTION**

- Vaccination
- Sanitation/Biosecurity
- Prevent crowding
- Capacity for Care, Length of Stay

**INCUBATION PERIOD**

1-5 days

**TRANSMISSION**

- Direct Contact
- Contaminated Surfaces/Environment

**MITIGATE SPREAD**

- PCR or antibody test (send-out; suspect animals, usually post-mortem)
- Intake quarantines in areas with known cases
RINGWORM  
Dermatophytosis

**AFFECTED SPECIES**
- Small to large areas of hair loss with crusting or redness of the skin
- Broken whiskers

**SYMPTOMS**
- Small to large areas of hair loss with crusting or redness of the skin
- Broken whiskers

**PREVENTION**
- Sanitation/Biosecurity
- Prevent crowding
- Capacity for Care, Length of Stay

**INCUBATION PERIOD**
- 1-4 weeks
  (1-2 typical)

**TRANSMISSION**
- Direct Contact

**MITIGATE SPREAD**
- Fungal culture (in-house or send-out)
- PCR testing (send-out; suspect animals)
- Intake screening - visual and Wood's lamp examinations
- Clean Break (protect newly admitted animals from exposure)
- Address Capacity for Care issues