

Respiratory Pathogens in the Shelter Setting

Organism	Mode of Transmission	Incubation Period	Duration of Shedding	Carriers?	Treatment	Zoonosis?	Survival in Environment
Dogs							
Canine Adenovirus* (CAV2)	aerosol, direct	3-6 days	10 days	no	supportive	no	days, does well in water
Canine Distemper Virus* (CDV)	aerosol, fecal-oral, urine-oral	9-14 days	up to 90 days	no	supportive	no	30 minutes at room temp, weeks if frozen
Canine Herpesvirus (CHV)	direct, fomites	up to 9 days	2-3 weeks	yes	lysine may help	no	24 hours at room temp, killed if frozen
Canine Influenza Virus** (CIV)	Aerosols, droplets, direct, fomites	2-4 days	7-10 days	no			
Canine Parainfluenza Virus* (CPI)	aerosol	3-10 days	6-8 days	no	supportive	no (cats)	a few hours
Canine Pneumovirus (CPnV)	unknown	unknown	unknown	unknown	supportive	unknown	unknown
Canine Resp Coronavirus (CRCoV)	Direct, aerosol, fomite	Unknown, maybe a few days	unknown	yes	supportive	unknown	unknown
<i>Bordetella bronchiseptica</i> *	aerosol, fomites	1-2 days	3 months +	yes	tetracycline	yes	3 weeks in water, much shorter if dry
<i>Mycoplasma spp</i>	direct	3-10 days	3 months +	yes	tetracycline	maybe	Don't survive in environment
<i>Streptococcus zooepidemicus</i>	direct	0 days	unknown	yes	Beta lactams	yes	unknown
Cats							
Feline calicivirus* (FCV)	aerosol, fomites	1-2 days	variable (months)	yes	supportive	no	1 week, longer if damp
Feline Herpesvirus* (FHV)	aerosol, direct	2-6 days	indefinite	yes	Lysine, antivirals PO or OU	no	18 hours if damp, shorter if dry
Feline Infectious Peritonitis*** (FIP)	Fecal-oral, grooming, direct, mutation of non-pathogenic enteric coronavirus	days to years	2 weeks usually, but occasionally sheds for months	yes	Trental, prednisone, chlorambucil	no	Hours to days, longer only if very moist
<i>Chlamydia felis</i> **	direct	3-5 days	2 months +	rare	tetracycline	yes	1-3 days
<i>Mycoplasma spp</i>	direct	2 weeks	3 months +	yes	tetracycline	maybe	Don't survive in environment

*vaccine available and recommended

**vaccine available and recommended in endemic areas

***vaccine available but not recommended