What is a Zoonotic Disease and how to help prevent the spread

What is Zoonotic Disease?
An infectious disease caused by a pathogen that is transmissible from animals to humans.

Relevant Zoonotic Diseases
According to the CDC some of the top zoonotic diseases include:
- Salmonellosis
- West Nile Virus
- Emerging Coronaviruses (SARS, MERS)
- Rabies
- Lyme Disease

How is it transmitted?
- Aerosol: Airborne droplets (cough, sneeze, high pressure hose)
- Ingestion: Contaminated water, food, unwashed hands
- Vector Borne: Arthropods (fleas, ticks, mosquitos)
- Direct Contact: Exposure through mucous membranes or fresh open wounds
- Fomite: Inanimate objects

Prevention
1. Cleaning and Disinfection
   Pre-clean Heavily Soiled Areas
   - Remove all solid waste from area to be cleaned and pre-clean the area with detergent/degreaser to remove traces of remaining organic matter.
   - Disinfect
     - Apply disinfectant to cleaned area.
     - Use proper dilution ratio and contact time for the targeted pathogen.

2. Personal Protective Equipment (PPE)
   - Gloves
   - Face Mask
   - Eye Protection
   - Disposable Gown
   - Disposable Booties
   - Face Shield

Don't forget
Examples of Commonly Missed Fomites
- Leashes
- Pens
- Toys
- Vehicles
- Shoes
- Clothes
- Animal Bedding
- Stethoscopes
- Computer Keyboard and Mouse