



Does Day Care Spread Disease?

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Children attending day care are very good at sharing a number of bacterial, viral, and parasitic infections with each other. Day care is an ideal environment for the spread of disease among children, because: the children move about and interact with other, their personal hygiene is less than ideal, their ability to control their bodily secretions and excretions is poor, and their immune systems are not yet fully developed.

TYPES OF CHILD CARE SERVICE:

- Small-family child care, which is provided in a private residence for less than 6 unrelated children.
- Large-family child care, which is provided in a private residence for 7 to 12 children.
- Center child care, which is provided in a non-residential setting for 13 or more children.
- Sick-child care, which is provided for mildly ill children.

WHY ARE CHILDREN ATTENDING DAY CARE SUSCEPTIBLE TO INFECTIONS?

- They explore the environment with their mouths, usually drooling in the process.
- They have poor control of their secretions (saliva) and excretions (feces).
- They have frequent close contact with other infants and toddlers.
- They all have direct contact with the same day care providers.
- They have immature immune defense systems.
- Their personal hygiene is less than ideal.

HOW IS DISEASE SPREAD IN DAY CARE FACILITIES?

- The Fecal-Oral Route: It is responsible for *Escherichia coli* O157:H7 and hepatitis A infections. Note that the risk for food contamination is higher when the person who prepares or serves the food also diapers the children.
- The Respiratory Route: It is responsible for *Bordetella pertussis*, *Haemophilus influenza*, *Mycobacterium tuberculosis*, *Streptococcus pneumonia*, measles, mumps, and varicella zoster virus infections.
- By Skin Contact: It is responsible for head lice and scabies infections.
- The Blood, Urine, or Saliva Routes: They are responsible for cytomegalovirus, hepatitis B and C virus, and herpes simplex virus infections.

HOW TO PREVENT THE SPREAD OF ORAL HERPES (HSV-1) AND HEPATITIS B (HBV) IN DAY CARE FACILITIES:

- Day care providers must practice excellent personal hygiene with frequent hand washing, using soap and water.
- All shared toys must be cleansed in the dishwasher followed by disinfecting the toys with SpectraSan 24.
- Children should not share food, drinks, eating utensils, cups, or drinking glasses.
- Children should not share toothbrushes.

PREVENTING THE SPREAD OF DISEASE IN DAY CARE:

- Caregivers must wash their hands frequently with soap and water, especially after diapering children.
- Written procedures for diaper changing and hand washing should be posted and enforced.
- Caregivers must practice hygienic methods of diapering infants and toddlers.
- Caregivers must practice meticulous personal hygiene.
- Caregivers must have their immunizations updated and recorded.
- All children must have their immunizations updated and recorded.
- Communicable diseases in the day care center need to be reported to the health department.
- Written policies should be in place for managing child and employee illness.
- Infants and toddlers should be separated to reduce infections.
- Sanitation procedures must be thorough.
- Food handling procedures must be strict.
- Food should be handled hygienically and safely to prevent the spread of disease. Hands should always be washed before handling food. Staff members who change children's diapers should not prepare or serve food.
- Practice hygienic procedures for child toilet use.
- Toilet areas and toilet training equipment must be maintained in a sanitary condition.
- Each item of sleep equipment should only be used by a single child.

***SpectraSan 24*TM – THE GENERATION OF MICROBIAL CONTROL**

- ***SpectraSan 24*** is based on a patented new molecule, silver dihydrogen citrate (SDC).
- ***SpectraSan 24*** is the first new antimicrobial to enter the market in more than 35 year. ***SpectraSan 24*** was formulated specifically for hospitals, medical and long-term care facilities, and child care operations.
- ***SpectraSan 24*** kills germs 20 times faster than traditional disinfectants on the market today.
- ***SpectraSan 24*** kills the most common germs passed along by children in just 30 seconds and it kills the MRSA and VRE “Superbugs” in only 2 minutes.
- ***SpectraSan 24*** is the only disinfectant in the world that provides 24 hours of residual efficacy after the initial applications.
- ***SpectraSan 24*** is non-flammable, odorless, colorless, has the lowest toxicity rating of any other disinfectant (the same Category IV as water), and is especially safe to use on children’s toys and play areas.
- ***SpectraSan 24*** is not only safe to use and safe for the environment, but it is safe to use on all surfaces, metals, and fabrics.
- ***SpectraSan 24*** currently has over 200 worldwide patents for its truly innovative and unique SDC technology.
- ***SpectraSan 24***’s same SDC technology is currently waiting for FDA approval for the following applications: wound care, burn care, athletes foot treatment, mouth wash, tooth paste, water purification applications, and as an environmentally safe agricultural spray.
- ***SpectraSan 24*** contains a dual efficacy mechanism which promotes residual resistance to new super strains of microorganisms. This amazing new disinfectant has a self-contained immunity protection system that not only provides long-term protection, but continues to fight bacteria and dangerous mutant pathogens while other conventional disinfectants on the market today can not.

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