Inanimate surfaces are often identified as the source for outbreaks in healthcare settings.

The most common microorganism may survive on surfaces for hours (or months) and can be a continuous source of transmission. A single hand contact with a contaminated surface results in microorganism transfer. Contaminated hands are also the source of recontamination of a surface after it has been cleaned.

Routine hand hygiene, cleaning, and disinfection are key to preventing the spread of microorganisms to objects, surfaces, and people. Reading disinfectant product labels is important when determining if it's effective against a particular microorganism, and to ensure appropriate contact time is used (see link: "How to Read a Disinfectant Label").







How long do nosocomial pathogens persist on inanimate surfaces? | NIH



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How to Read a Disinfectant Label | CDC

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COMMON MODE OF TRANSMISSION FROM OBJECTS/SURFACES TO SUSCEPTIBLE PATIENTS/RESIDENTS



Hands of healthcare worker

Susceptible patient/resident



SURFACES

AND

OBJECTS

ON INANIMATE

MICROORGANISMS

OF

SURVIVAL •

object/surface Contaminated How long do nosocomial pathogens persist on inanimate surfaces? | NIH



How to Read a Disinfectant Label | CDC

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SURVIVAL OF MICROORGANISMS ON INANIMATE OBJECTS AND SURFACES

on How to Read a Disinfectant Label

inanimate surfaces?

CDC

to Read a Disinfectant Label"). FROM OBJECTS/SURFACES COMMON MODE OF TRANSMISSION USCEPTIBLE PATIENTS/RESIDENTS healthcare Hands of worker

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for

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SIIRVIVAL OF MICROORGANISMS ON INANIMATE OBIECTS AND SIIREACES



Microorganism

Acinetobacter spp.

Bordetella pertussis

Candida albicans

Candida auris

Coronavirus

Hepatitis A Hepatitis B

Klebsiella spp.

Proteus vularis

Salmonella spp.

Shigella spp.

Serratia marcescens

Pseudomonas aeruginosa

Staphylococcus aureus/MRSA

Streptococcus pneumoniae

Streptococcus pyogenes

Companion pocket cards:

Listeria spp.

Norovirus

HIV

Escherichia coli

Enterococcus spp. /VRE

Haemophilus influenzae

Campylobacter jejuni

Clostridioides difficile (spores)

AND SURFACES

OBJECTS

ON INANIMATE

SURVIVAL OF MICROORGANISMS





Cleaning and Disinfection

Survival (range)

3 days - 5 months

3 - 5 days

1 - 120 days

≥ 6 days

7 days

5 months

12 days

≥ 1 week

 $\geq 7 \text{ days}$

hours - days

1.5 hours - 16 months

5 days - 4 months

2 hours - 60 days

2 hours - 30 months

5 hours - 16 months

3 days - 2 months

2 days - 5 months

7 days - 7 months

3 days - 6.5 months

Cleaning

Steps in Daily Room

1 - 20 days

1 day - months

8 hours - 7 days

1 - 2 days

1 day











SURFACES

AND

OBJECTS

INANIMATE

N O

MICROORGANISMS

OF

SURVIVAL

Microorganism

Acinetobacter spp.

Bordetella pertussis

Campylobacter jejuni

Clostridioides difficile (spores)

Candida albicans

Candida auris

Coronavirus

Hepatitis A

Hepatitis B

Klebsiella spp.

Proteus vularis

Salmonella spp.

Shigella spp.

Serratia marcescens

Pseudomonas aeruginosa

Staphylococcus aureus/MRSA

Streptococcus pneumoniae

Normal Flora

Streptococcus pyogenes

Companion pocket cards:

Listeria spp.

Norovirus

HIV

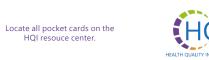
Escherichia coli

Enterococcus spp. /VRE

Haemophilus influenzae









Locate all pocket cards on the HQI resouce center.



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12 days

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hours - days

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5 days - 4 months

2 hours - 60 days

2 hours - 30 months

5 hours - 16 months

3 days - 2 months

2 days - 5 months

7 days - 7 months

3 days - 6.5 months

Cleaning

Cleaning and Disinfection

Steps in Daily Room

1 - 20 days

1 day - months

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· How Infections are Spread Hand Hygiene