Antimicrobial fabric treatments improve fabric durability and longevity

Figure 1. Contamination can occur anywhere in the soft goods use cycle.

Microorganisms from humans and the environment are easily transferred to fabrics through routine use, during transportation, and in storage.

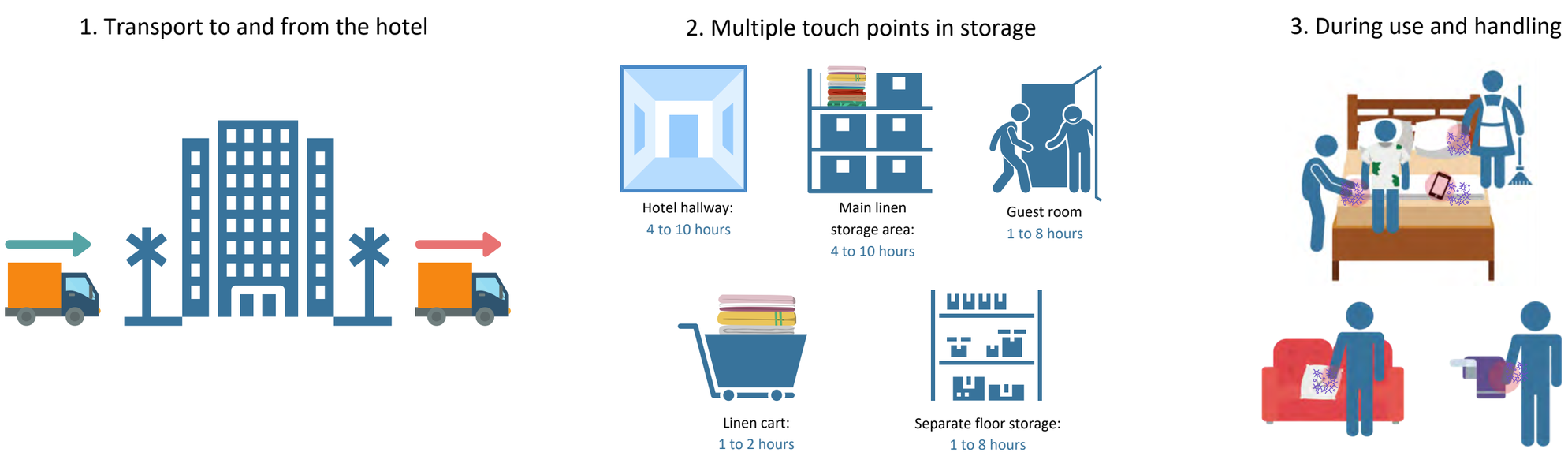
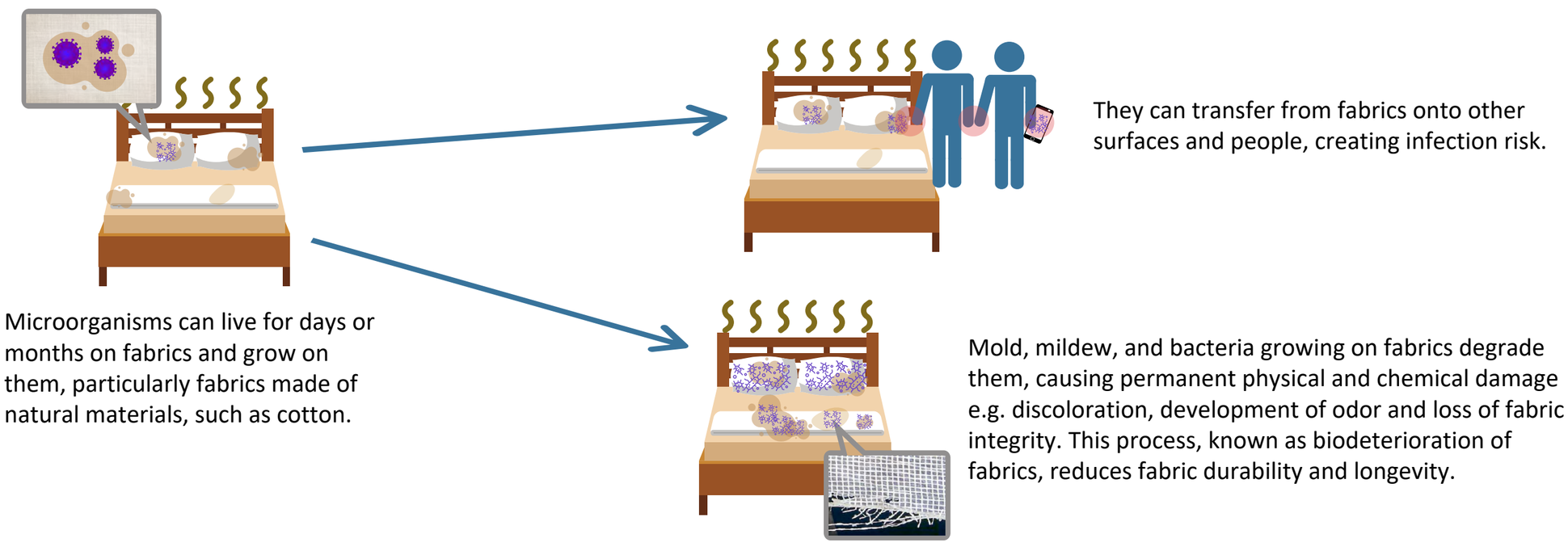


Figure 2. Microbial contamination of soft goods poses significant danger to human health, creates an unhygienic environment, and is destructive to the fabrics themselves.



Microorganisms can live for days or months on fabrics and grow on them, particularly fabrics made of natural materials, such as cotton.

They can transfer from fabrics onto other surfaces and people, creating infection risk.

Mold, mildew, and bacteria growing on fabrics degrade them, causing permanent physical and chemical damage e.g. discoloration, development of odor and loss of fabric integrity. This process, known as biodeterioration of fabrics, reduces fabric durability and longevity.

Figure 3. Inclusion of SilvaClean for fabric care eliminates fabric-degrading microbes, maintaining quality and prolonging fabric lifespan for realizable return on investment.

Backed by Science

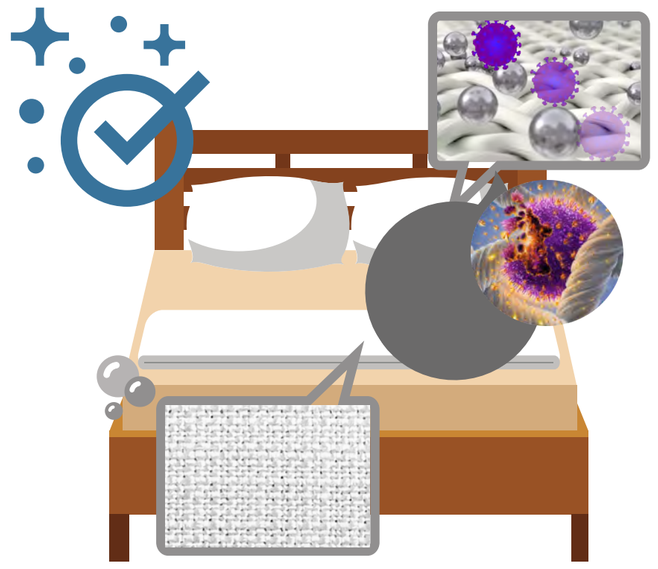
A recent study by Rondinone et.al. (2). demonstrates that SilvaClean outperforms other antimicrobial laundry technologies in its ability to reduce fabric associated microbial risks (infections, degradation, lifespan)[1]. The laundry-based solution in this study is SilvaClean.

Generates Cost Savings

A SilvaClean antimicrobial treatment program extends fabric lifespan and provides a realizable return on investment. With just a 10% reduction in fabric replacement, the SilvaClean program pays for itself.

Provides Additional Benefits

SilvaClean also reduces infection risk[2], lowers risk of disease transmission, removes stain and odor causing bacteria, removes mold and mildew, improves property hygiene, and reduces germs on soft goods and the environment[3].



1. Rondinone, Daniela Laura. *Effectiveness and Durability of Silver-based Antimicrobial Textiles.* 2020. North Carolina State University. Master of Science Thesis.
2. Openshaw, John J, M.D. and Priya Balachandran, Ph.D. "Evaluation of a Novel Antimicrobial Textile Intervention For Inclusion in an Infection Control Program Through a Retrospective Analyses of Hospital Acquired Infection (HAI) Rates." 2019. Poster.
3. Applied Silver. “SilvaClean Product Evaluation: San Francisco 49ers.” 2020. PDF file

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