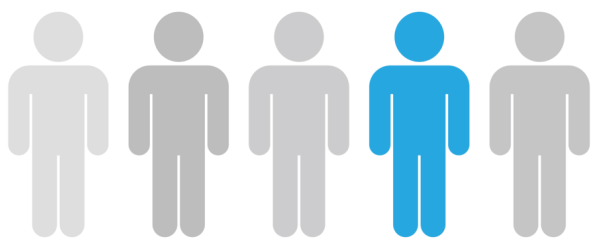


Infrastructure Design for

Reduced Patient Readmissions

Annually, 1 in 5 Medicare beneficiaries is readmitted within 30 days of discharge.



Readmissions cost \$26 billion per year, with \$17 billion considered avoidable.

The 4 Most Prevalent Sources of Healthcare Associated Infections

Surgical site infections 33%	Ventilator-associated pneumonia 31%	Bloodstream infections 18%	Gastrointestinal illness 15%
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Design Objectives for Reduced Patient Readmissions

Improved sterile fields and spaces
 Controlled spread of infectious diseases
 Reduced unwanted air migration between spaces

Air Handling & Sterile Fields

Improved quality of air
 Mitigation of bacteria and viruses
 Reduced airborne-mediated microbial diseases

Air Filtration & Disinfection

Improved sterility and ease of maintenance
 Controlled spread of infectious diseases
 Reduced unwanted air migration between spaces

Sterile Operations

Improved quality of water
 Avoid impact of microbial growth
 Effective humidification of occupant spaces

Water Treatment

Increased patient satisfaction
 Preserved circadian system functioning
 Reduced anxiety, pain and blood pressure

Improved Patient Healing Environments