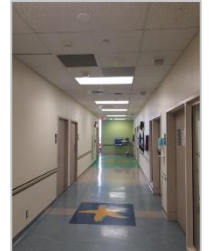


# Environmental Study Results for Air & Surface Analysis

## Children's Hospital December 4, 2015



### Evaluation Area

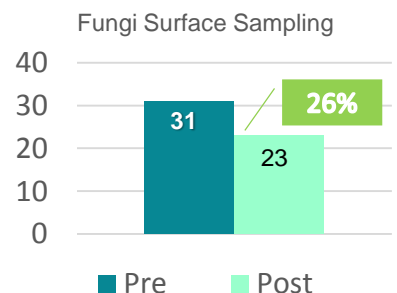
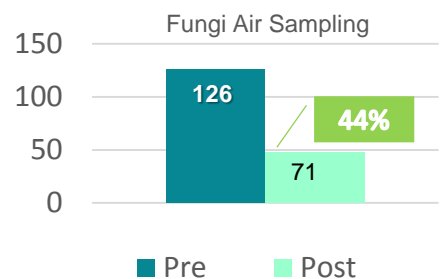
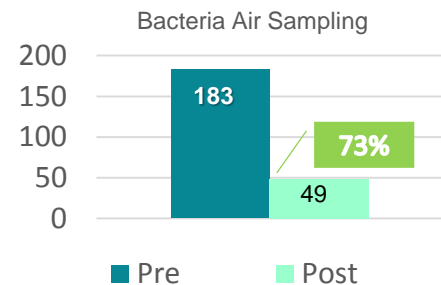
- Patient room 425 (Challenge area)

### Study Criteria

- Determine placement and number of units (220 sq. ft., one VS02 & one VS03, positive pressure)
- Take pre- and post-installation air and surface samples for total bacteria & fungi counts
- Independent lab analyzed the samples
- Outdoor weather and hallway environmental conditions were different pre to post-testing
- Patient room 425 was terminally cleaned before pre-testing, but not before post-testing

### Results of VidaShield Testing

- Reduction of airborne bacteria levels: **73%**
- Reduction of airborne fungi levels: **44%**
- Contributed to reduction in fungi surface pathogens: **26%**
- Fungal samples are impacted mostly by environmental conditions and inanimate objects brought into the unit; whereas, bacteria levels are often impacted by people.



### Conclusions:

The VidaShield system reduced airborne bacteria levels 73% and fungi levels 44%. Surface fungi levels were reduced 26%. There was no terminal cleaning performed prior to post-installation testing which likely contributed to a rise in bacteria surface levels.