

Environmental Study Results for Air & Surface Analysis

Acute Care Hospital, Nevada

January 26, 2016

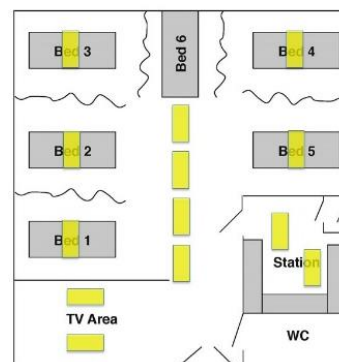


Evaluation Area

- Psychiatric unit (controlled access area) in emergency department

Study Criteria

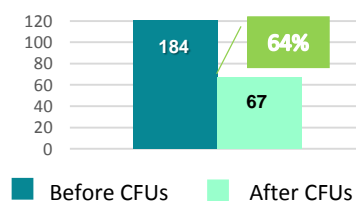
- Determine placement and number of VidaShield units (13 units to cover size of the room)
- Take pre- and post-installation air and surface samples for total bacteria counts in POD
- Independent lab analyzed the samples



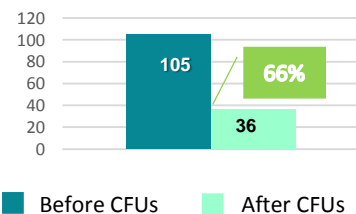
Results of VidaShield Testing

- Reduction of airborne bacteria levels: **64%**
- Contributed to reduction in surface bacteria: **66%**
- Three different shifts of nurses and staff commented on the improvement in the quality of the air and the absence of odors common to the area. One even commented that her allergies weren't bothering her anymore.
- Conditions in the POD, pre- and post-sampling, were the same with a couple of exceptions related to patient activity.

Air Samples Minus Outliers



All Surface Samples



Conclusions:

The VidaShield system reduced airborne bacteria levels by 64% and reduced surface levels 66%. In addition, hospital nurses and staff reported improvement in odors and air quality in the testing area, as well as a noticeable difference in allergy symptoms.