

The VANISH Trial:

Valid Approaches in Nursing homes to reduce Infections and Secondary Hospitalization

Can an enhanced environmental cleaning strategy reduce contamination and infection in nursing homes?

Request: Health system support of a grant application to conduct a cluster-randomized trial of nursing homes comparing routine to enhanced cleaning to prevent readmissions and infections

Investigators:

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Rationale for an Enhanced Environmental Cleaning Trial in Nursing Homes:

- Nursing homes admit many residents who harbor multi-drug resistant organisms (MDROs)
- Environmental contamination is common in healthcare, including nursing homes
- Contamination can lead to transmission of pathogens and infection

Intervention:

- Standardized environmental cleaning protocols plus use of a black light (UV) marker to feedback and enhance the quality of cleaning by housekeeping services
- All participating nursing homes receive the intervention, but at randomly determined times across a two-year period

Main Outcomes:

- Environmental contamination
- Successful removal of the UV marker
- Antibiotics use
- Hospitalization for infection
- Infections in the nursing home
- Percent of residents with MDRO

Timeline, if funded:

- Recruitment: July-December 2018
- Intervention launches Spring-Summer 2019

Requested Health System Support

- Corporate support for recruitment of nursing homes
- Corporate support of environmental cleaning protocol
- Corporate support of data collection to assess impact of cleaning intervention

Helpful Points

- UV Marker will be provided. Currently evaluating contribution of cleaning product.
- The UC Irvine IRB will provide ethical oversight for this trial as the central IRB

INTERESTED? QUESTIONS? Please contact:

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