Using Healthcare and Environmental Services Data Analytics for Infection Prevention
Using your ES data as an infection prevention tool…

• improves patient safety
• aids in modeling improvement impact on HAC scoring
• decreases or eliminates reimbursement penalties
• protects your staff
Healthcare-related data is exploding.
With pressures like...

- Value-based Purchasing
- Staff Training
- HAIs (Healthcare-Associated Infections)
- Rising Costs
- Government Requirements

unlocking this data is more critical than ever.
Just like other aspects of today’s healthcare, Environmental Services (ES) is generating more and more data.
And ES is key to infection prevention

“Environmental services is not being recognized as the incredibly important patient safety initiative it is.”

--Dr. Michael Gardam, director of infection prevention and control at Toronto’s University Health Network in, “How hospitals are on the front lines in a new era of germ warfare,” The Globe and Mail
What kind of data is ES generating?
Disinfectant and Cleaning Product Usage
Disinfection Device Events
(UV emission and aerosol/misting devices)
ES Personnel Training
(training history, competency scores)
Cleaning Staff Inspection Results
(black light inspections, CDC checklist etc.)
Compiling this data in a visual way and correlating it with other data can present actionable insight for infection prevention.
Turning the Data into Action

Quality Control: Infection Data

Facilities: Room Mapping

Human Resources: Cleaning Personnel

Spot infection control problems with rooms or environmental services personnel or procedures quickly.
Turning the Data into Action

Quality Control:
Room Inspection Data

Human Resources:
Cleaning Personnel

Quickly detect employees needing training and assign it automatically.
Turning the Data into Action

Quality Control:
Infection Data

Facilities:
Room Mapping

ES:
Disinfectant Device Event

Determine optimization and efficacy of disinfectant device use.
So How Do You Get Started?
So How Do You Get Started?

The road from data capture to data presentation to data insight is often not a straight line.
Read more about the process of evolving into predictive analysis at Making Healthcare Environmental Services Data Work for You, Getting Started.
Visualizing and Managing Infection Prevention for Environmental Services in over 500 hospitals

Increase your value-based payments, call for a demonstration.

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