Visualizing and Managing Infection Prevention Data



simple visual analysis tools for healthcare infection prevention teams

DocuFi





transforms dull and static **Centers for Medicare & Medicaid Services (CMS)** data
into a visual and interactive world to help you
make sense of infection prevention data.

Select your hospital and see up-to-date CMS quarterly reporting* in a single-screen dashboard with drilldown features.



^{*} Any publically release CMS databases can be integrated.

Visually explore your hospital units or facilities with the ease and familiarity of a Windows Explorer-like tree structure to help identify trends and patterns before they negatively affect future value-based payments.

And with our integration services, combine key elements of your human resources, inspection, disinfection activities, training, facilities, purchasing, or other data for an integrated decision enabling tool.

First, let's look at our base, stand-alone product incorporating CMS data.

Key Interface Features:

Windows-like tree to explore and navigate

Flyouts on the tree for quick viewing of Key Performance Indicators (KPIs)

Tiles for drilling into more detailed data

Easily See Summary Views of CMS Data



Summary of all units based on your reporting structure

Summary of a single selected unit.



Use the Tree Structure To Select Units or Groups



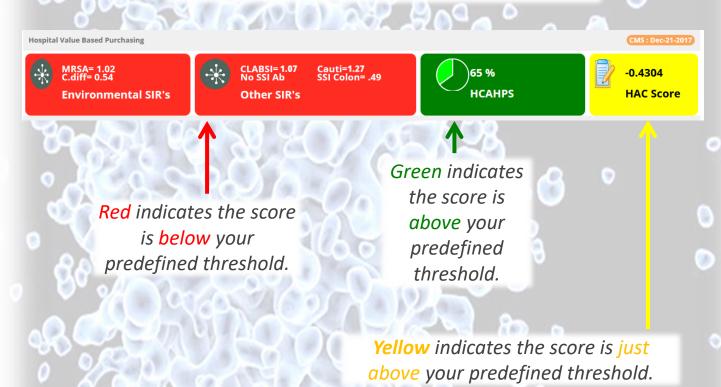
Hospitals can be arranged by system or integrated into your reporting structure (as shown).

Mouse hovers show flyout displays with instantaneous data such as SIR rates, HCAHPS, and HAC scores without interacting with the database.

Select a hospital from the tree to view the dashboard tiles.

The selected hospital's scores in tiles:

The main dashboard has tiles for major CMS data with visual clues.



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drill down for details

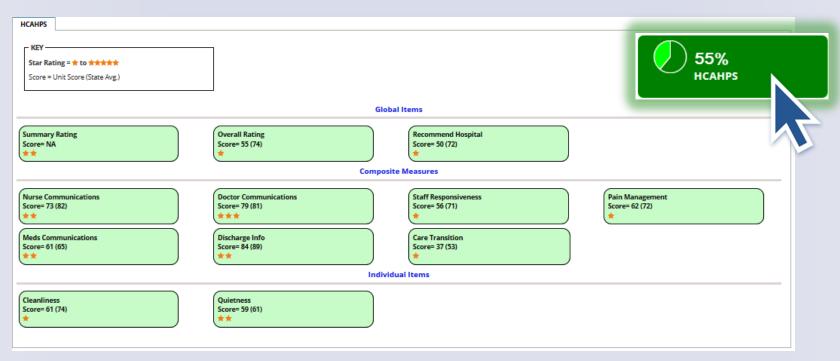
Click on any of the tiles to drill down for more information on critical infection rates, HAC scores, and satisfaction scores.



drill down for details



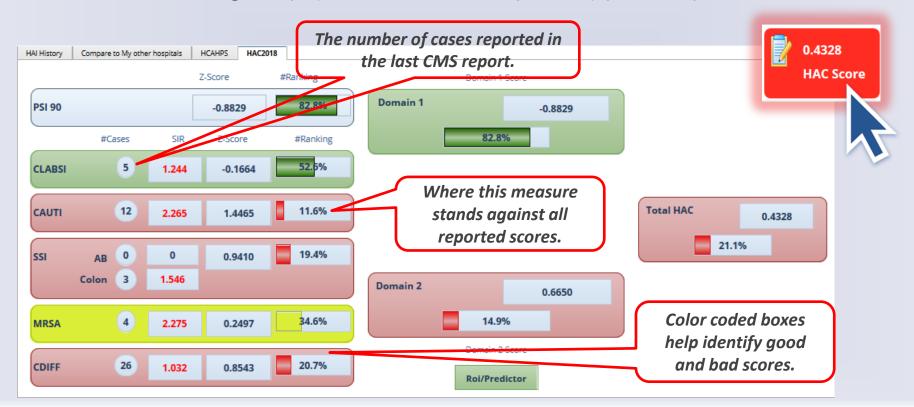
drill down for details



The CMS patient satisfaction survey is displayed by category for the current reported data.

drill down for details

HAC 2018 scoring is displayed in a manner to help identify potential problem areas.







...And Predict



Predict ...

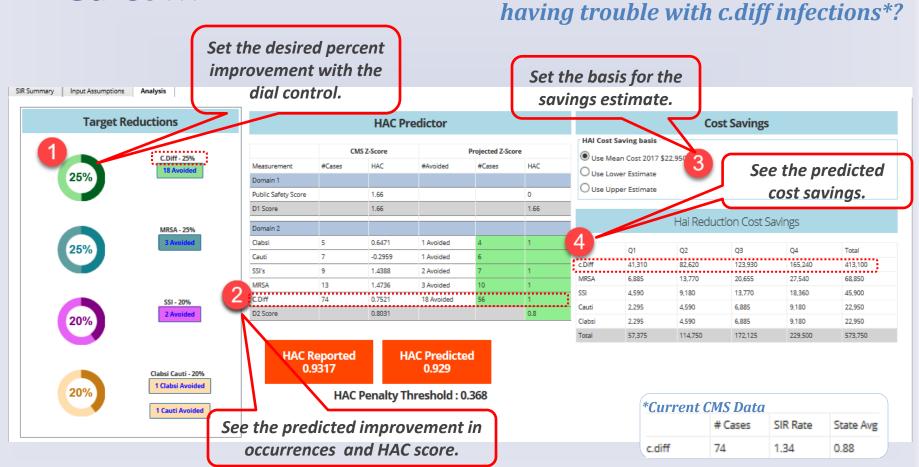
HAC ROI Modeling Tool

Using the latest industry studies, HAlvia's HAC Return on Investment predictor can estimate the cost savings from eliminating CMS penalties for each infection category.

Use the tool to show the impact of implementing processes or technology to target infection types and how the reduced number of cases effects the HAC score and savings.



Predict ...



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Reporting functions

And we're here to help you take the next step and integrate your specific key performance indicators with CMS data.

Integration Possibilities...

integrating your data in the dashboard

Besides CMS data, your internal systems can provide valuable information for the dashboard. Integrated information can be from your Human Resources, Facilities, Purchasing, Infection Prevention, Inspection or Training systems for example.

single screen

Review infection rates, compare hospital systems, assign corrective actions through integrated training management and drill down into quality inspections, facilities and human resources data from a common dashboard system using a single screen.



quality inspections & human resources example

Quality inspections can be reviewed to determine how EVS staff members have performed. Use the pass/fail slider to easily identify if a staff member has failed your threshold with color coded icons.



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Use flyouts to provide detailed data with no transaction against the database for truly real-time analytics, performances and decision making.



quality inspections & human resources example

Analyze the overall percent of staff with inspections with this month-to-month auditing of staff for a specific facility.



quality inspections & human resources example

Need an easy way to obtain inspection data? Get rid of paper forms and use our HAlvia Mobile forms application or any other popular forms capture application to capture inspection data directly into the dashboard system as inspections are completed.

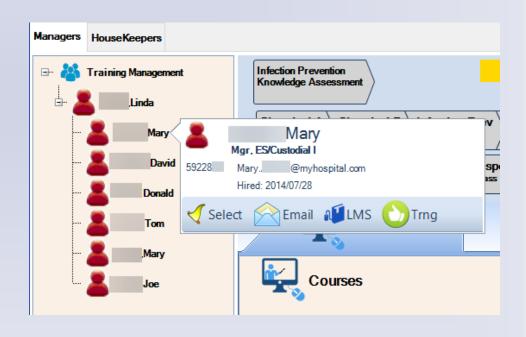




learning management or training system & human resources data

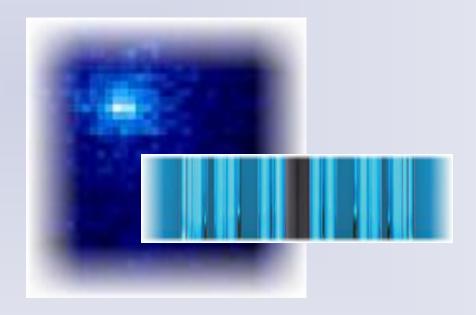
Now that you have identified issues, you can assign staff to take online courses to address failed audit problems if your LMS system and HR are integrated.

Also easily communicate to staff from the dashboard by using flyouts to tag users for later events, send emails, or send phone text messages.



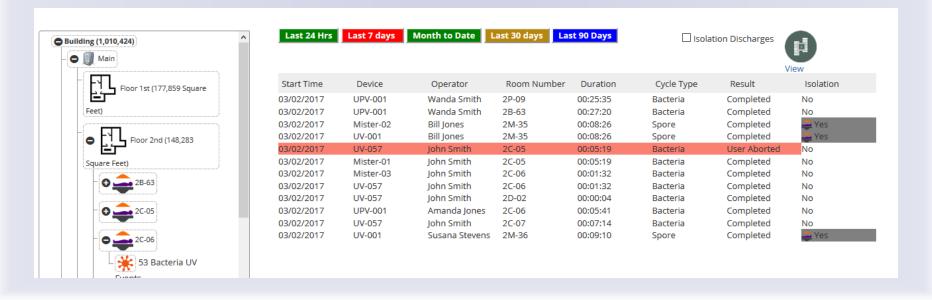
monitor disinfectant devices

Using disinfection devices such as UV or misting systems in patient rooms or operating rooms? Integrate data from these systems such as location, date, time, length of emission, and operator. Visualization of this data can help spot infection trends to drive improved protocols.



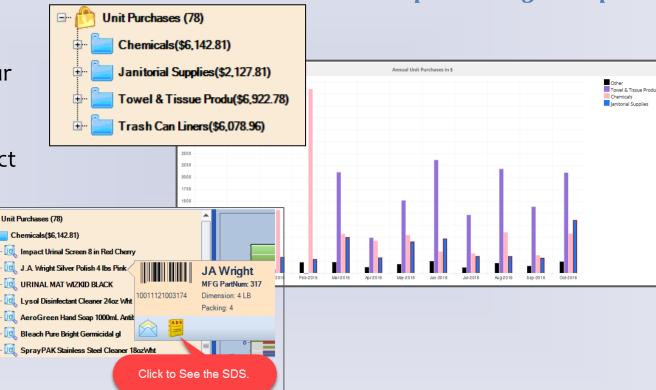
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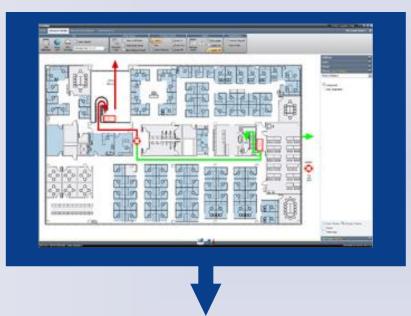
Easily monitor the disinfection events for individual rooms captured from mobile or data-enabled UV devices to ensure auditable records are easily accessible..



Integrate data from your purchasing system to visualize your spending and easily access product information.

purchasing example





Facility Data











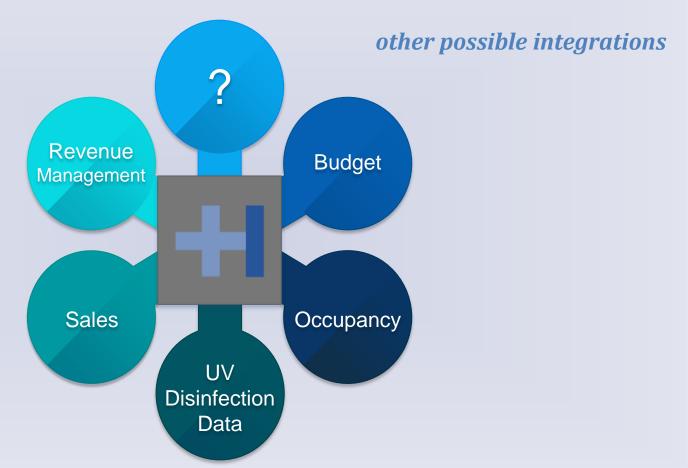


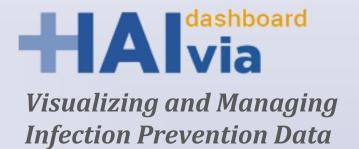
space/facilities management

Our integration of facilities management software helps facility professionals achieve significant facilities related cost savings.

EvolveFM provides real-time insight into available and used space, information that can be used to make better decisions faster.

Our integration can automate the creation, processing and closing of work requests/work orders for ES and facilities maintenance workers.





Increase your value-based payments, call HAIvia.

DocuFi is a data analytics and capture application provider and developer.

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