

HIMS | Specialties & Ancillaries

INFECTION CONTROL

The need is the beginning of the story

In an era of emerging and re-emerging communicable disease health threats, the importance of infection prevention and control measures in health-care settings should not be underestimated. Transmission of communicable disease/pathogen is an ever-evolving subject, and transmission of pathogens that cause acute respiratory diseases (ARD) is no exception. Administrative and infection controls, including early detection, isolation and reporting, and establishment of infection control infrastructure, are key components for containment and mitigation of the impact of pathogens that may constitute a major public health threat. There is a need for a solution to provide real-time tools to monitor, manage, prevent, and report on infections to enable instant access to infection control data to treat patients sooner and improve patient outcomes.

About the module

The Antimicrobial/Infection Control module from Harris is a powerful solution that enables healthcare organizations to build, grow and enhance their ICP/ ASP program. It allows collecting, centralizing and managing key data that empowers healthcare professionals and hospital leaders with their infection prevention, monitoring, and management initiatives.

Its suite of sophisticated reporting tools provides clinical evidence that enables an organization to evolve its clinical practices and workflows continuously while providing robust clinical decision support to its clinicians

The module is pre-loaded with extensive data models, key performance indicators, standard reports and notifications, enabling effective action for managing infection cases and potential outbreaks with benefits to patient outcomes and safety, lower cost of care and improved compliance.

Its configurable dashboards and scorecards allow organizations to easily benchmark and compare quality metrics before and after the implementation of their ICP/ ASP program.

Module Highlights

- 01 Real-Time Infection Control Surveillance and Management
- 02 Compliance and Performance Monitoring
- 03 Seamless integration with Clinical Systems



Key Features

Real-Time Infection Control Surveillance and Management

- Provides lists of at-risk patients, new infection cases, suspected cases, epi-curves and more.
- Antibiotic Stewardship dashboard displays patient antibiotic usage, drug-bug mismatches, IV usage, and costs.
- Antibiogram dashboard maps organism antibiotic susceptibility with convenient filters for multi-variant and drill-through analysis, configurable alerts and notifications.
- Provides key Antibiotic Utilization information such as Defined Daily Dose (DDD), Days of Therapy (DOT) and Length of Therapy (LOT) as well as Antibiotic Resistance Trend data
- Provides the ability to display drug-bug mismatches
- Displays intravenous usage and high cost drug utilization
- Provides antibiograms with ability to filter for multi-variant analysis
- Defined daily dose; Days of therapy; Length of therapy; Antibiotic resistance trend
- Displays hospital and community acquired infections
- Provides list of at-risk patients and identification of new infection cases

- Ability to identify Central Line Infections; Surgical Site Infections; Ventilator Acquired Pneumonias; Catheter Associated Urinary Tract Infections
- Compliance auditing that tracks, measures and reports compliance with hand-hygiene environmental and construction audits
- Trace infections to rooms and patients
- Trace nurse-to-patient contacts

Compliance and Performance Monitoring

- The dashboards provide configurable Key Performance Indicators (KPI's) with up-to-date infection trend reports, including Methicillin-resistant Staphylococcus aureus (MRSA), Vancomycin-Resistant Enterococcus (VRE), Clostridium difficile (C.diff), Central Line Infections (CLI), Ventilator Acquired Pneumonias (VAP) and Surgical Site Infections (SSI).

Seamless integration with Clinical Systems

- Web-browser accessible, easy to use, secure and seamlessly integrated with any hospital's ADT, Lab, Pharmacy, OR, Order Entry and other clinical systems via HL7 or data repository.

Benefits

Improved patient outcomes

- Decreasing length of stay by efficiently reporting positive cultures to initiate treatment,
- Active and real time alerts informing clinicians to implement infection control protocols; and
- Optimal therapy notifications for patient-appropriate course of treatment dashboards with drill-down capability.

Saves valuable clinician time

- Pharmacy resource time savings through comprehensive tracking of antimicrobial usage;

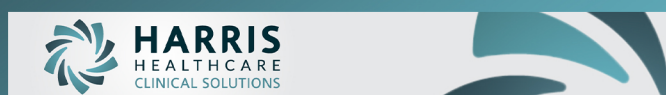
- Microbiology Laboratory resource time savings through automatic generation of hospital specific antibiogram and access to antimicrobial resistance trends; and
- Efficient infection management through instant access to infection control data in a consolidated view.

Cost savings for the organization

- Pharmacy—reduction in cost of antibiotics;
- Laboratory—reduction in the number of lab tests due to outbreak swabbing; and
- Patient Units reduction in isolation costs if positive cultures are handled quicker

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