Resource List

APIC Surveillance Technology Resources

Use this resource page to expand your knowledge and leverage your surveillance technology to benefit your practice and your profession.

Find helpful tools, read current literature, stay informed of opportunities, and learn from the developers, early adopters, and successful users who drive development.

News
- APIC's Automated Surveillance Technology Needs Assessment Tool

Educational Tools
- Literature References
- Starter Questions
- Product Comparison Tool
- Informatics Glossary for the ICP
- Surveillance Technologies position paper

Success Stories
Visit our Surveillance Technology Online Community to share your successes, ask questions, and meet the experts! Participate in the online community.

Literature Resources


**Surveillance Technology Resources**

1. **CKM Healthcare** ([http://ckmhealthcare.com](http://ckmhealthcare.com))

   - Record, update and review patient and staff infections, including signs and symptoms, lab, surgical procedure, treatments and follow-up notes.
   - Print Line Listing, Infection History, Antibiotic Usage, Antibiogram and Control Measures Memos and many other reports.
   - Thoroughly analyze infection data.
   - Discover causes and trends, identify effective treatments, investigate problem areas and examine control measures.
   - Produce a wide range of graphical and analytical reports including bar, line and pie graphs, control charts and benchmarks.
   - All the details of an outbreak can be managed, including the organism, case definitions, precautionary measures, line listings and epidemic curves.
   - An outbreak protocol checklist is also provided to assist in managing the tasks that need to be completed in the event of an outbreak.
   - Track patient procedures details.
   - System automatically calculates NNIS scores based on procedure duration, wound class and ASA score.
   - Generate Surgical Survey reports with an optional cover letter for selected surgeons and surgical procedures.

2. **CareFusion - MedMined™** ([http://www.carefusion.com](http://www.carefusion.com))

   - Ranked #1 in the Infection Prevention market by KLAS in 2009
   - Real-Time, actionable data enabling rapid interventions
Automatic identifies clinically meaningful patterns in complex data sets
- Efficiently focus resources on emerging opportunities to prevent HAIs
- Set specific HAI reduction goals by unit and infection source
- Provide timely feedback on performance to positively reinforce clinical staff efforts
- Deliver data to help provide the reporting mandated by your state and NHSN.
- Rapid implementation (45-60 days)
- Analysis of outcomes of clinical process breakdowns and benefits of evidence-based practice recommendations

3. **Premier Safety Surveillor** ([http://www.premierinc.com](http://www.premierinc.com))

Interfaces in real time with present hospital software systems to provide the following data:
- Patient registration
- Encounter history and census details by encounter for all encounters
- Vital signs
- Clinical lab reports incl. Microbiology, Serology and Chemistry
- Surgery: operative reports
- Radiologic
- Pharmacy: antibiotic usage and cost data
- Antibiogram production by hospital and by unit

4. **Hospira - TheraDoc** ([http://www.theradoc.com](http://www.theradoc.com))

Interface in real time with present hospital software systems to provide the following data:
- Patient registration
- Encounter history and census details by encounter for all encounters
- Vital signs
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- Integrates and analyzes patient data from admission, surgical, micro lab, pharmacy and other hospital systems.
- Real-time alerts and reports for timely intervention and follow-ups.
- Rich data analysis tools enable ongoing surveillance of HAI-related processes and outcomes.
- Receive alerts about infection-related events mined from other hospital systems, such as surgery, micro lab, pharmacy, admission/discharge transfer and electronic medical record software.

6. **EpiQuest** ([http://www.epiquestlive.com](http://www.epiquestlive.com))

- ability for multi site operation
- extensive security features to protect the data and the validity of the system
- entirely web based, no client software required
- available on any web enabled platform e.g. a wireless tablet or PDA.
- open platform and can be used with any browser, Opera, IE, Firefox
- allows each user to have a unique home page that can be customized and tailored to meet their individual needs.
• has port lets that can be set by the user to give the daily reports and information that they need at all times.
• allows new screens to be built and slotted in for future development.
• diary and patient notes function that can be shared across the organization.
• unique infection control matrix which can trace an infection outbreak using a simple to use graphical interface.
• enables the user to choose which infections to monitor.
• fully compliant with all current legislation
• event-driven and patient-driven alerts

7. Vecna QC Pathfinder (http://www.vecna.com/)

• Real-time microbiology lab, pharmacy, surgical, radiology, critical care and other data feeds
• Generates detailed reports, with drill-down capabilities and antibiograms.
• Can create seven different types of control charts, which can be used to detect critical trends occurring right now at your facility
• Up–to–date statistical process control charts, line listings, and antibiograms anytime, anywhere
• 24/7 Alerts for detection of unusual patterns and surveillance triggers from anywhere in the world.

8. 3M ClinTrac™ (http://solutions.3m.com)

Key Features and Benefits include:

• Identifies patients meeting criteria customized by your facility for an infection or infection definitions based on the Centers for Disease Control National Nosocomial Infections Surveillance (NNIS) System
• Provides rapid access to information, allowing providers to alert staff to spikes in infection rates and identify locations of affected patients within the facility
• Reduces patient length of stay by providing early identification and targeted treatment
• Streamlines resources by allowing data and documents to be linked from multiple facilities
• Provides the ability to export data to national infectious disease reporting registries, such as those managed by the Centers for Disease Control for cancer or HIV
• Ability to track infections using NNIS or custom criteria of infections and comparative benchmarking
• Automatic worklists of case findings
• Single-click observation of past infection data
• Import of pharmacology and laboratory data for both antibiotics and pathogens
• Automatic alerts to isolate patients with certain conditions based on laboratory reports

9. ICNet (http://www.icnetplc.com)

• Allows real-time collaboration of patient and laboratory data to enable proactive infection control case management and surveillance of HAI.
• Provides a powerful tool for the manipulation and analysis required for mandatory reporting of these infections.
• Provides real time alerts, reports and analytical tools which help to target action more effectively.
• Web-enabled for easy and secure access throughout the healthcare facility.
• Automatic download of data from laboratory, pharmacy, surgery and hospital information systems via electronic interfaces.
• Alerts of user-defined critical events.
• Customized and on-demand data and graphical reporting.

10. RL Solutions (http://www.rl-solutions.com)

• Real-time surveillance of hospital systems including lab results (microbiology), ADT, surgeries and pharmacy orders
• Prioritizes potential infections to help you work smarter
• Drill-down into reports to trend infection surveillance results
• Observes all of your hospital systems, including microbiology, ADT, surgeries and pharmacy orders, for infection risks
• Tracks location history to identify potential risks (for example, a patient who shared a room with a MSRA-infected patient)
• Links with admission, surgery and pharmacy data make prioritization and reviews easier
• Tools for better workflow management
• Quickly prioritize potential infections through ‘inboxes’ that capture alerts as they happen. These inboxes let you triage infection evidence found by IMPro and decide which alerts need follow-up – and which you can ignore.
• Manage files that need investigation through the Follow-Up Workbasket: create Run Sheets, classify infections, access patient information & add comments
• Build flexible infection control reports
• Includes dozens of best practice report templates
• Trend infection surveillance results & report to NHSN

11. Cerner Infection Control Module (http://www.cerner.com)

• Infection Control regulatory reporting that is both patient and population based, providing surveillance capabilities to identify patients at risk
• Includes an active work list of infection control patients and clinical dashboard with a comprehensive view of patient specific clinical data
• Risk stratification capabilities
• Workflow and treatment recommendations
• Reporting, including microbiology patient reports and population reports by event and organism, enables clinicians to identify outbreaks and patterns.
• Ability to create patient dashboards and pull relevant vital signs and lab results data on an as-needed basis.
• Infection Control Surveillance Report can be used as a work list to identify/classify patients with suspected infections, confirmed infections, historical infections and risk factors based on interventions, i.e., central line placement, indwelling catheters, surgical procedures, etc.

12. MIDAS Plus (http://www.midasplus.com)
Ability to interface in real time with present hospital software systems to provide the following data:

- Patient registration
- Encounter history and census details by encounter for all encounters

Can be expanded to include:

- Clinical lab reports incl. Microbiology, Serology and Chemistry,
- Surgery: operative reports
- Pharmacy: antibiotic usage and cost data