CLINICAL XPERT SUITE
A real-time, active surveillance platform that accelerates your ability to predict risks and recognize opportunities for intervention. At the point of care, Clinical Xpert provides evidence-based decision support to guide care, while reducing the extraordinary costs associated with ADEs and HAIs.

Clinical Xpert provides the real-time clinical evidence to identify at-risk patients and in whom certain adverse events (ADEs) and nosocomial infections are occurring. This provides decision makers with the ability to monitor, evaluate, and modify patient care to maximize patient outcomes and reduce extraordinary costs. Clinical Xpert leverages evidence-based, structured guidelines and protocols to provide clinicians with appropriate treatment recommendations that are evidenced-based.

CLINICAL XPERT: Providing the Active Surveillance and Response Solution You Need to Optimize Patient Care.

Empower Your Clinicians with the Tools They Need to Make Quality Improvement seem Effortless for Clinicians.

CLINICAL XPERT SUITE: Streamlines and augments clinical efficiency and effectiveness through a single, powerful platform that helps improve outcomes, reduce risk, and increase patient care—right at the point of care. Clinical Xpert provides the real-time clinical evidence to identify at-risk patients and in whom certain adverse events (ADEs) and nosocomial infections are occurring. This provides decision makers with the ability to monitor, evaluate, and modify patient care to maximize patient outcomes and reduce extraordinary costs. Clinical Xpert leverages evidence-based, structured guidelines and protocols to provide clinicians with appropriate treatment recommendations that are evidenced-based.

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THE FASTEST WAY TO IMPACT CARE:
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ANTIMICROBIAL STEWARDSHIP
It’s Time to Step It Up

Research by Lee Ann Johnson

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ANTIMICROBIAL STEWARDSHIP

**The Antimicrobial Stewardship Team**

Antimicrobial stewardship should be a multidisciplinary effort to achieve positive clinical outcomes, patient safety, and cost-effectiveness. The team includes a variety of healthcare professionals, such as physicians, pharmacists, infection control practitioners, and microbiologists. Their roles are critical in ensuring the appropriate use of antimicrobials and reducing resistance.

**Key Components of Antimicrobial Stewardship**

- **Preventive and Clinical Care Management**
  -anna Long, M.D., vice president for medical affairs at the University of Maryland Medical System and chief of infectious diseases at the University of Maryland Baltimore County.
  -Kevin Kusmich, M.D., associate professor of medicine at the University of Maryland School of Medicine and director of the infectious diseases fellowship program.
  -Joshua Hare, M.D., assistant professor of medicine and infectious diseases at the University of Maryland School of Medicine.

**Four Key Measures**

1. **Prevention of Antimicrobial-Resistant Infections**
   -Implement evidence-based practices to reduce the risk of infection.
   -Monitor and trackincidence and prevalence of antimicrobial-resistant infections.
   -Provide education and training to healthcare providers.

2. **Clinical Monitoring**
   -Monitor patients for signs of infection.
   -Be aware of treatment failures and drug allergies.
   -Assess response to treatment and adjust accordingly.

3. **Drug Utilization**
   -Review drug utilization patterns to identify opportunities for improvement.
   -Evaluate formularies and drug costs to ensure the best options are available.
   -Implement drug cost containment strategies.

4. **Infection Control and Prevention**
   -Develop and implement infection control policies and procedures.
   -Monitor compliance with infection control practices.
   -Educate healthcare providers and staff on infection prevention.

**The Core Strategies of Antimicrobial Stewardship**

- **Prevention and Control of Multidrug-Resistant Organisms**
- **Antimicrobial Use Reduction**
- **Antimicrobial Management**
- **Surveillance and Reporting**

**Supplemental Activities**

- **Antimicrobial Stewardship**
  -Develop and implement antimicrobial use reduction strategies.
  -Monitor and evaluate antimicrobial use patterns.
  -Provide education and training to healthcare providers.

- **Surveillance and Reporting**
  -Implement antimicrobial resistance surveillance programs.
  -Report antimicrobial resistance trends to public health agencies.

- **Antimicrobial Use Reduction**
  -Implement strategies to reduce antimicrobial use.
  -Evaluate the impact of antimicrobial use reduction strategies.

- **Antimicrobial Management**
  -Develop antimicrobial management plans.
  -Monitor and evaluate antimicrobial use patterns.

**Prevention and Control of Multidrug-Resistant Organisms**

- **Patient Education**
  -Provide education to patients and families about the importance of antimicrobial stewardship.
  -Promote patient engagement in antimicrobial stewardship initiatives.

- **Contact Isolation**
  -Implement contact isolation precautions for patients with multidrug-resistant organisms.
  -Monitor contact isolation compliance and efficacy.

- **Antimicrobial Use Reduction**
  -Implement strategies to reduce antimicrobial use.
  -Evaluate the impact of antimicrobial use reduction strategies.

- **Antimicrobial Management**
  -Develop antimicrobial management plans.
  -Monitor and evaluate antimicrobial use patterns.

**Surveillance and Reporting**

- **Antimicrobial Resistance Surveillance**
  -Implement antimicrobial resistance surveillance programs.
  -Report antimicrobial resistance trends to public health agencies.

- **Antimicrobial Use Reduction**
  -Implement strategies to reduce antimicrobial use.
  -Evaluate the impact of antimicrobial use reduction strategies.

- **Antimicrobial Management**
  -Develop antimicrobial management plans.
  -Monitor and evaluate antimicrobial use patterns.

**Clinical Monitoring**

- **Antimicrobial Use Reduction**
  -Implement strategies to reduce antimicrobial use.
  -Evaluate the impact of antimicrobial use reduction strategies.

- **Antimicrobial Management**
  -Develop antimicrobial management plans.
  -Monitor and evaluate antimicrobial use patterns.

**Drug Utilization**

- **Antimicrobial Use Reduction**
  -Implement strategies to reduce antimicrobial use.
  -Evaluate the impact of antimicrobial use reduction strategies.

- **Antimicrobial Management**
  -Develop antimicrobial management plans.
  -Monitor and evaluate antimicrobial use patterns.

**Infection Control and Prevention**

- **Antimicrobial Use Reduction**
  -Implement strategies to reduce antimicrobial use.
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- **Antimicrobial Management**
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Clinical Xpert provides the most comprehensive evidence to identify at-risk patients and to inform clinicians and elicit confident decisions once candidates are uncovered. With simplified daily “rounding” or work lists and electronic reporting, Clinical Xpert empowers clinicians to focus on prevention and achieve clinical quality improvements more efficiently.

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Clinical Xpert provides the real-time clinical evidence to identify at-risk patients and to inform clinicians and non-clinician decision makers in anticipation of evidence-based decision-making — at each point of decision-making. Clinical Xpert empowers decision-makers to focus on prevention and achieve clinical quality improvements more efficiently.

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CLINICAL XPERT SUITE: Streamlines and augments clinical efficiency and effectiveness through a single, powerful platform that helps improve outcomes, reduce risk, and increase patient care — one patient at a time.

Clinical Xpert taps into your hospital's information systems (HIS), aggregates clinical data from patient admissions, laboratory results, pharmacy orders, vitals and various transcribed reporting systems, and delivers it to clinicians on a single screen so that critical patient information is at their fingertips.

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