



MEDITECH's Surveillance Solution

Your patients' data is trying to tell you something. Take action at the first sign or symptom with MEDITECH's Surveillance solution. Surveillance monitors and analyzes real-time clinical and demographic data to automatically identify patients who qualify for clinical quality measures or who may be at-risk of developing specific conditions, such as sepsis, CAUTI, and CLABSI. Clinical and administrative staff alike — from nurses, physicians, and nurse managers to quality managers, case managers, and infection control staff — all benefit from real-time notifications and actionable tracking boards. And your patients? They benefit from early detection and treatment to help improve their prognosis.

Identifying Your Patient Populations

MEDITECH's Surveillance solution brings clinical sophistication to new heights by automatically populating Quality Boards with those patients who qualify for surveillance profiles. Fully tailorable, evidence-based rules quickly analyze real-time data captured in the patient's EHR — including test results, vital signs, and assessments — to determine which patients qualify. And just as patients can be automatically added based on defined criteria, they can also be removed if specific measurements, such as blood pressure or lab results, show improvement. Profile criteria can have a broad or narrow focus as defined by your organization. For example, your organization may want to focus on patients throughout the enterprise at risk of developing CAUTI::

CAUTI Surveillance

Room-Bed Name Age Sex	Catheter Type/Location	Cath Size	WBC	Urine Culture
604-2 Cassidy, Daniel 63 M			01/31/17 11:00 WBC: 8.2 K/mm3 (4.8-10.8)	
914-1 Damon, Jordan 46 F	07/07/15 21:36 [Urethral (Foley)]	15	08/22/16 20:00 WBC: 10.2 K/mm3 (4.8-10.8)	07/07/15 20:00 - Escherichia coli - F
C.125-1 Carpenter, Clarence 57 M	10/07/16 16:46 [Urethral (Foley)]	14	01/30/17 09:55 WBC: 8.4 K/mm3 (4.8-10.8)	
C.100-1 Berman, Robin 56 F	10/07/16 16:05 [Urethral (Foley)]	14	01/04/17 15:37 WBC: 8.5 K/mm3 (4.8-10.8)	
203-2 Chance, Kaycee A. 67 F			02/21/17 09:26 WBC: 13.0 K/mm3 (4.8-10.8) H	
Christie, Edin 67 F				
116-2 Christie, Edna 67 F				
908-1 Romano, Antonio 73 M			03/07/17 11:00 WBC: 9.0 K/mm3 (4.8-10.8)	
908-1 Romano, Antonio 73 M			03/09/17 01:00 WBC: 9.0 K/mm3 (4.8-10.8)	
416-2 Christie, Denise 67 F			03/09/17 12:21 WBC: 15.0 K/mm3 (4.8-10.8) H	
309-2				

Involving the Care Team

Communication and coordination across the care team is critical to providing effective treatment. MEDITECH's tightly integrated EHR provides the foundation for this communication. Rules trigger indicators on nurse and physician status boards as well as ED and surgical trackers, notifying clinicians when their patients have qualified for surveillance profiles and the conditions for which they are being monitored. For example, an indicator may notify a floor nurse that one of his or her orthopedic patients is on a Surveillance Board for VTE. With one tap or click, clinicians can immediately launch into these boards to view surveillance details and take appropriate action.

Status Board Notification

PCS Status Board
 Dept: Patient Care Site: Canton

Med/Surg Floor Nurse
 3 patients as of 03/09/17 16:15

Q	Rm/ Bed	Pix	Name Diagnosis Reg Status	Home Meds	Surv.	Interventions	Next Meds	Orders	PACS	New Results
	901-1		Flores, Alicia E Pneumonia ADM IN	Confirmed		14:00 Height and... 14:00 Intake and... 14:00 Safety Che...	11:27 <Assess-Em... 16:00 cephALEXin... 07:00 glyBURIDE ...	Ack		
	902-1		Fernandez, Nancy Suspected GI Bl... ADM IN	Click to update	CAUTI VTE	11:00 Vital Sign... 14:00 Intake and... 14:00 Safety Che...		Ack		12
	908-1		Romano, Antonio Trouble breathi... ADM IN	Confirmed	CAUTI	12:00 Safety Che... 14:00 Intake and... 14:00 Kardex - M...				

Name Romano, Antonio
Account Number EB0000015620
Attending Jessica Quinn
 Phone: 781-821-3000
 Pager: (781)821-3000

Allergies fexofenadine
Special Indicators Sulfa (Sulfonamide Antibiotics)
 Hearing or Vision Assistance

Code Status Full Code
Precautions Standard
Fall Risk Score

Vital Signs
 01:30 Temperature: 37.2 C
 01:30 Blood Pressure: 158/88 H
 01:30 Pulse Rate: 84

Oxygen
 01:30 O2 Sat by Pulse Oximetry: 95

IV/Invasive Line Location

Instance	IV Type	Date of Insertion	Site Observation

Lists
 Status Board
 On Call Staff
 Assignments
 Clinical Data
 Manage Orders
 Patient Reports
 Group Notes
 Consent Forms
 Location Reports
 Risk Management
 Sign
 Open Chart
 Close Chart
 Indirect
 Change Site/Dept
 Preferences

Refresh Remove from My List Edit My List Close All Charts All Show Empty Beds ?

Monitoring and Managing Their Conditions

You've identified your populations. Now it's time to act. MEDITECH helps you prioritize your patients by using color-coding to highlight timely details, such as abnormal and critically abnormal values. Indicators also alert staff when time-based clinical quality measures are met, not met, or contraindicated, as well as when the time measures need to be completed. Clinicians save valuable time in determining the best course of treatment. And because MEDITECH's Surveillance solution is fully integrated into our EHR, clinicians can take immediate action directly from their respective boards — whether submitting orders, documenting care, or messaging other members of the care team. Through their timely response, clinicians can prevent dangerous and costly medical conditions from developing.

Tracking All Surveillance Patients

Need to identify your most “at risk” patients? The actionable surveillance Watchlist provides a high level view of all patients throughout the enterprise who have qualified for specific surveillance profiles. Watchlists itemize the profiles for which each patient qualifies. For example, a patient may qualify for multiple profiles, such as VTE, sepsis, and pneumonia. From the Watchlist, staff can click indicators to view the date and time the patient qualified for the specific profile, as well as the qualifying criteria.

Surveillance Watchlist

Name A/S Acct. #	Location Admit Date/Ti... Room/Bed	Count	Sepsis Go To	CAUTI Go To	VTE Go To	Stroke Go To	SCIP Go To	Fall Risk	Readmission
Damon, Jord... 46 F EB0000001627	9 South 06/03/15 09:... 914 1	4	✓	✓	✓			✓	
Chance, Kayc... 67 F EB0000015170	2 North 02/21/17 09:... 203 2	2	✓	✓					
Christie, Cat... 67 F EB0000015643	3 South 03/09/17 13:... 309 2	2	✓	✓					
Christie, Den... 67 F EB0000015649	4 West 03/09/17 14:... 416 2	2	✓	✓					
Christie, Edna 67 F EB0000015557	1 South 03/07/17 17:... 116 2	2	✓	✓					
Kane, Peter 66 M EB0000015313	9 North 02/27/17 09:... 903 2	2			✓				

Incorporating Best Practices

You’re not alone in your decision making. MEDITECH delivers a library of standard surveillance boards, which include the embedded rules needed to comply with clinical quality measures and protocols. Standard boards for Stroke, SCIP, VTE, AMI, Pneumonia, and Newborn enable you to effectively monitor all 29 ARRA Stage II clinical quality measures. But we’re not stopping there. We also provide boards for monitoring your most vulnerable patients — such as those at risk for sepsis, CAUTI, VAP, and CLABSI. Additional boards track patients who meet specific criteria, such as readmission patients or patients with specific therapy consults or restraint orders. Working with a team of practicing clinicians we are committed to developing new boards and embedded rules to identify and monitor additional patient populations — including your most costly and high risk conditions — and delivering these boards to our customers as part of our ongoing support. Customers can also modify these boards and rules, or build their own to suit their unique needs.

From the delivery of best practice content to its integrated and actionable design, MEDITECH’s Surveillance solution provides you with a clinically sophisticated set of tools designed to improve quality outcomes, reduce lengths of stay, and increase reimbursements through adherence to regulatory quality reporting measures.