

# Case study: How we transformed clinical data into actionable information at the point of care

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- Enhance patient care through evidence-based clinical decision-making
- Improve physician compliance with quality measures
- Provide highly effective, meaningful alerts while minimizing noise
- Transform clinical data into actionable information at the point of care

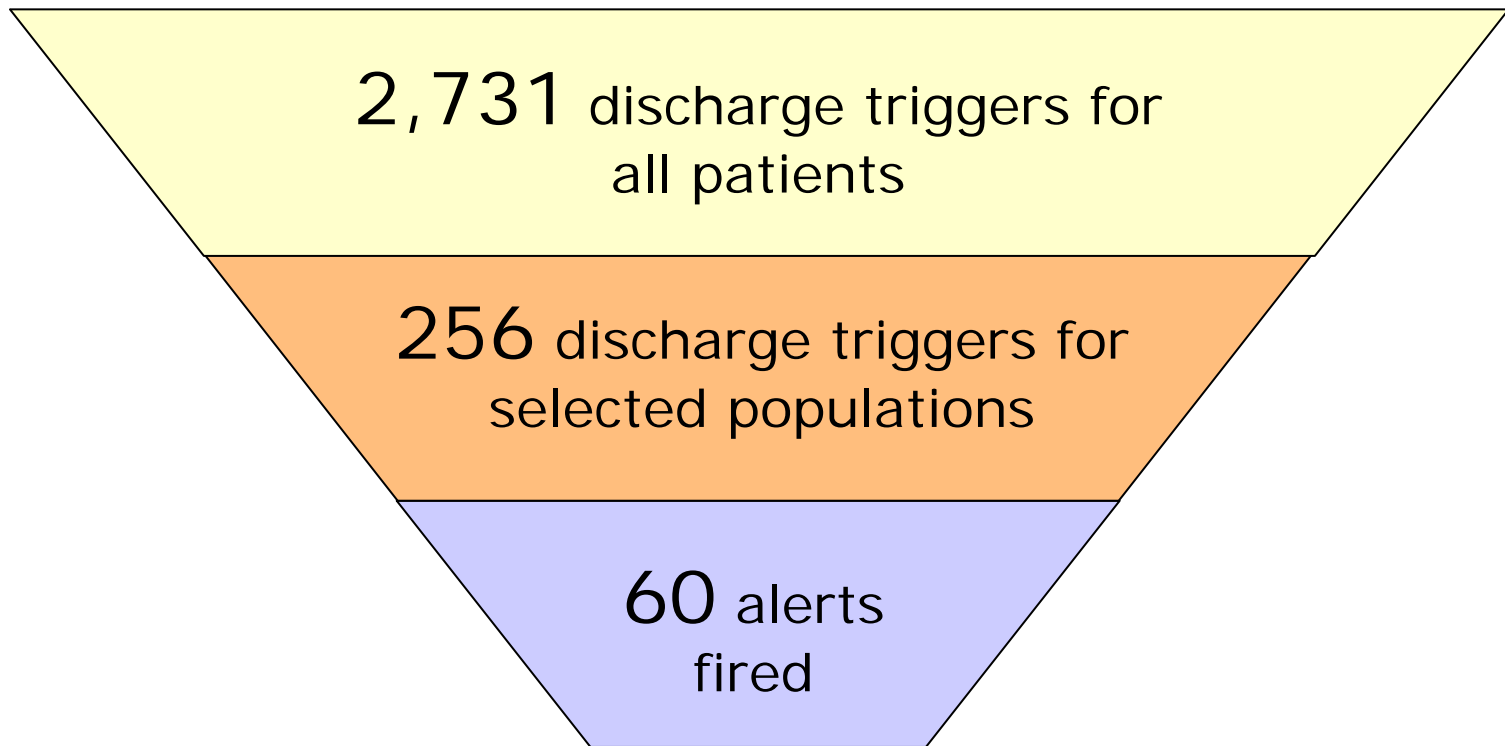
- Use technology to move from compliance to excellence
- Leverage investment in current systems to achieve quality measure goals
- Improve quality management and measurement of clinical performance

- Clinical decisions at the point of care
- Gaps in care
- Quality measures and clinical practice guidelines
- Medication reconciliation prior to discharge
- Selected patient populations and medication treatments

- Physician involvement and feedback
- New methodology for case management
- Patient data quality
- Systems integration

- Analyze workflow to identify opportunities for impact
- Gain broad organizational support and commitment
- Expand clinical data capture processes
- Integrate EBMx with MEDITECH system
- Adapt quality management review process

# Results: Alert Traffic



Timeframe: 12/14/10 – 2/28/11

# Results: Alert Meaning



Alerts fired	60	
<ul style="list-style-type: none"><li>• Could impact outcome</li></ul>	34	57%
<ul style="list-style-type: none"><li>• Could not impact outcome</li></ul>	26	43%

Timeframe: 12/14/10 – 2/28/11

# Results: Alert Impact



Alerts could impact outcome	34	
<ul style="list-style-type: none"><li>• Did impact outcome</li></ul>	21	62%
<ul style="list-style-type: none"><li>• System/process gaps</li></ul>	11	32%
<ul style="list-style-type: none"><li>• Did not change outcome</li></ul>	2	6%

Timeframe: 12/14/10 – 2/28/11

- Alerts can positively affect physician behavior and compliance with quality measures
- Making compliance information available concurrent with patient care enhances quality management
- Patient-specific clinical decision support can be implemented today with current information systems