Healthcare Organization Commitment

Contact Details

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Position
Director of R&D Patient Safety Learning Laboratory

Organization Name
Dartmouth-Hitchcock

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One Medical Center Drive
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Commitment Details

Commitment Name
Ideal Rescue System Design and Development

Participants
George Blike

What Patient Safety Challenge does your Commitment address?
Challenge 4 - Monitoring for opioid-induced respiratory depression

Commitment Start Date

Patient Safety Movement Foundation | patientsafetymovement.org
How Many Hospitals Will This Commitment Represent
1

Action Plan
Failure to Rescue is a significant driver of inpatient mortality. Dartmouth-Hitchcock is committed to reducing overall hospital mortality by identifying, designing and implementing systems to support early detection of patient deterioration and intervention. Over the next 3 years the organization will systematically identify and evaluate gaps in our rescue system and design, prototype and deploy interventions, including: patient state assessment tools to assist in appropriate patient placement and clinical resource allocation; patient state assessment tools to improve early recognition of deterioration at the bedside; and communication systems to improve shared mental models across clinical teams to promote prompt intervention and rescue activation when patient deterioration is detected.

Commitment Timeline
Year 1: design and prototype general care patient state assessment tools and communication system; identify and design approaches to improve shared mental models and handovers; identify patient placement and resource allocation system opportunities. Year 2: deploy general care setting patient state assessment and communication system; design multi-care level patient state assessment and communication system; implement shared mental model and handover improvements; design and prototype patient placement and resource allocation tools. Year 3: Complete individual tool/training development and assessment; perform system-wide integration and validation across care settings.

Impact Details

Lives Lost in Last Calendar Year
60

How many lives do you expect to spare from harm in the next calendar year?
20

How many lives do you expect to save in the next calendar year?
15

Methodology for Determining Lives Saved
PSI 4 metrics were used, with a goal of reducing these deaths by 25% per year over 2 years after implementation of improvements begins.