HRET HIIN VAE Sprint

November 5, 2018
1:00 p.m. – 2:00 p.m. CT
Welcome and Introductions
Kavita Bhat, MD, MPH
Program Manager, HRET
Hello, My Name is…

- Name
- Hospital/State Hospital Association
- City, State
AGENDA

- Welcome and Introductions
- Sprint Overview
- VAE Sprint Tools
- Expectations
- Questions and Answers
- Bring it Home
Sprint Overview
Kavita Bhat, MD, MPH
Program Manager, HRET
Maryanne Whitney, RN, CNS, MSN
Improvement Advisor, Cynosure
Why VAE?

- Mechanical ventilation affects 800,000 hospitalized patients in the United States each year.
- Five to 10 percent of mechanically ventilated patients develop a ventilator-associated event (VAE).
Harm from Mechanical Ventilation

- Historically, ventilator-associated pneumonia (VAP) was considered one of the most lethal healthcare-associated infections
- 35% mortality rate for ventilated patients
  - 24% for patients 15–19 years
  - 60% for patients 85 years and older
Not Just Mortality

Short-term
- Increase in complications
  - VAP
  - Sepsis
  - Acute respiratory distress syndrome (ARDS)
  - Pulmonary embolism
  - Barotrauma
  - Pulmonary edema
- Increase in health care costs
- Increase in length of stay

Long-term
- Slower overall recovery time
- Debilitating physical disabilities
- Lingering cognitive dysfunction
- Psychiatric issues,
  - anxiety,
  - depression, and
  - post-traumatic stress disorder
Most VAE’s arise from:

- ARDS
- Atelectasis
- Pneumonia
- Pulmonary edema

So how do we prevent these?
The largest volume of VAE!
Why Are We Here?

12 States

25 Hospitals

581 Preventable VAE Harms!
from 8/2018 to 9/2018
Why Are We Here?

- Increase the awareness of the importance of identifying and reporting all VAEs
- Utilize root cause analysis tools to assess VAE practices
- Define and utilize best practices for process improvements
- Maintain and Accelerate reduction in VAE harms
- Create peer to peer collaboration among states and hospitals
HRET HIIN VAE Sprint Webinar Schedule

- December 4, 2018 (11:00AM – 12:00PM CT)
- January 9, 2019 (11:00AM – 12:00PM CT)
- February 5, 2019 (11:00AM – 12:00PM CT)
- Summary VAE Sprint for all HRET HIIN (TBD)

Calendar invitations with the platform link will be sent by HRET HIIN.
VAE Sprint Tools
Kavita Bhat, MD, MPH
Program Manager, HRET
Maryanne Whitney, RN, CNS, MSN
Improvement Advisor, Cynosure
VAE PROCESS IMPROVEMENT DISCOVERY TOOL

- Review 10 Charts (Maximum 20 charts)
- Place check mark for every process failure in each chart
- Spend no more than 20-30 minutes per chart
Let’s take a closer look at the tool

<table>
<thead>
<tr>
<th>Mini VAE Process Improvement Discovery Tool (Minimum 10 charts/Maximum 20 charts)</th>
<th>Note: Do NOT spend more than 20-30 minutes per chart!</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructions: Enter Y or N in each box for each chart. Then identify which rows the most ‘N’s are to find process improvement opportunities.</td>
<td></td>
</tr>
</tbody>
</table>

| PROCESS | Chart 1 | Chart 2 | Chart 3 | Chart 4 | Chart 5 | Chart 6 | Chart 7 | Chart 8 | Chart 9 | Chart 10 | Chart 11 | Chart 12 | Chart 13 | Chart 14 | Chart 15 | Chart 16 | Chart 17 | Chart 18 | Chart 19 |
| Pt HOB was maintained at 30-45 degrees | Y | N | Y | N | N | N | Y | N | N | Y | N | N | Y | N | N | Y | N |
| Pt had a subglottic suction ETT present | N | N | N | Y | Y | Y | Y | Y | Y |
| Pt was ventilated with 6-8 ml/kg of TV | Y | Y | N | N | Y | Y | Y | N | N | N |
| Pt was treated for pain prior to receiving sedation | Y | N | N | Y | Y | Y | N | Y | N | Y |
| Pt received 3 boluses doses of sedative prior to beginning an infusion | Y | Y | N | N | Y | N | N | Y | Y | Y |
| Pt did not receive a benzodiazepine | Y | N | Y | Y | Y | Y | Y | Y | Y |

No (N) = Process Improvement Opportunity
VAE Coaching Guide

State Partner & Hospital 1:1 Coaching using VAE coaching guide

- Barriers/Concerns
- Champions
- Resources
- Action Plan
  - Aims
  - Strategies/Tactics
  - Deadlines
  - Evaluation
Expectations
Kavita Bhat, MD, MPH
Program Manager, HRET
Maryanne Whitney, RN, CNS, MSN
Improvement Advisor, Cynosure
Hospital Expectations

✓ Select 1 VAE lead for the sprint
✓ Accept invites and participate in the 4 HRET HIIN VAE Sprint virtual events
✓ Complete pre-assessment (link here)
✓ Utilize the VAE Process Discovery Tool and submit it to kbhat@aha.org
✓ Participate in 1 coaching session with their State Partner
✓ Complete post-sprint assessment

6 Easy Steps!
State Partner Expectations

- Accept invites and participate in the 4 HRET HIIN VAE Sprint virtual events

- Follow-up with hospitals to identify a lead for the sprint and remind them of hospital expectations throughout the sprint. Track your registered hospitals using the sprint tracking tool.

- Schedule 1 coaching session with hospitals session of one-on-one coaching with hospitals utilizing the VAE Sprint Coaching Guide. Submit completed coaching guide to kbhat@aha.org
What should I complete before the next virtual event?

Hospitals
✓ Select 1 VAE lead for the sprint
✓ Complete pre-assessment (link here)
✓ Utilize the VAE Process Discovery Tool and submit it to kbhat@aha.org

State Partners
✓ Follow-up with hospitals (track your registered hospitals using the sprint tracking tool.)
✓ Schedule a coaching call with each hospital
thank you!