CUSP for VAP: EVAP
Comprehensive Unit-based Safety Program for Ventilator-Associated Pneumonia

Reports Review
Agenda

- Overview of the Data Entry Portal
- Review of VAP Daily Rounding Performance Monitor
- Preview of VAP Daily Rounding Tool Reports Page
- Overview of MedConcert
Recommended System Requirements

- Firefox 17.0+, Internet Explorer 8.0+, Safari 4.0+
- Adobe Acrobat 5.0+ (For downloading reports)
- Excel 2000+ (For downloading reports)
- Broadband connection with 500+ Kbps
Home Page

- Site can be accessed directly at:  
  https://armstrongresearch.hopkinsmedicine.org

- Option to login on or browse many of the pages without logging in

- The “Return to Armstrong Institute – Home” will take you back to the Armstrong Institute’s homepage

- Clicking on VAP will take you to the VAP Project Home
My Projects

- Shows all the available projects and will highlight the one(s) you are participating in

- You will be prompted to login before accessing this page

- Clicking on the project will take you to the VAP Project page
Data Entry Tools

- Shows all your data entry tools for VAP
- Your access to a tool is determined by whether you are a member or an administrator. For example, only administrators will see the “Manage” button for HSOPS.
- Tools which are still in development are indicated with a “Coming Soon” banner
VAP Daily Rounding Reports

- Now available within the VAP Daily Rounding tool or from the Networks > Reports Page

- Measures are grouped as Compliance, Contraindication, Supplemental or Distribution
VAP Daily Rounding Reports – Compliance Measures

<table>
<thead>
<tr>
<th>Measure Name</th>
<th>Time Period</th>
<th>My Performance</th>
<th>Improvement Opportunities</th>
<th>Average Performance</th>
<th>How Do I Compare?</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS Compliance Rate</td>
<td>Feb 2013</td>
<td>Actual 100%</td>
<td>0</td>
<td>2.8%</td>
<td>120%</td>
</tr>
<tr>
<td>HOB Compliance Rate</td>
<td>Feb 2013</td>
<td>Actual 91%</td>
<td>12</td>
<td>9.7%</td>
<td>13%</td>
</tr>
<tr>
<td>Oral Care Compliance Rate</td>
<td>Feb 2013</td>
<td>Actual 94%</td>
<td>8</td>
<td>6.8%</td>
<td>8%</td>
</tr>
<tr>
<td>CHC Compliance Rate</td>
<td>Feb 2013</td>
<td>Actual 97%</td>
<td>4</td>
<td>74%</td>
<td>77%</td>
</tr>
<tr>
<td>SAT Compliance Rate</td>
<td>Feb 2013</td>
<td>Actual 84%</td>
<td>17</td>
<td>77%</td>
<td>44%</td>
</tr>
<tr>
<td>SBT Compliance Rate</td>
<td>Feb 2013</td>
<td>Actual 57%</td>
<td>36</td>
<td>69%</td>
<td>74%</td>
</tr>
</tbody>
</table>

Viewing for Center City Hospital – ICU as Demo User
### VAP Daily Rounding Reports – Contraindication Measures

#### VAP Daily Rounding

- **Viewing for Center City Hospital – ICU as Demo User**

#### Measures

<table>
<thead>
<tr>
<th>Measure Name</th>
<th>Time Period</th>
<th>My Performance</th>
<th>How Do I Compare?</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS Contraindication Rate</td>
<td>Feb 2013</td>
<td>Actual 27%</td>
<td>12%</td>
</tr>
<tr>
<td>HOB Contraindication Rate</td>
<td>Feb 2013</td>
<td>Actual 0.00%</td>
<td>1.79%</td>
</tr>
<tr>
<td>Oral Care Contraindication Rate</td>
<td>Feb 2013</td>
<td>Actual 2.07%</td>
<td>3.83%</td>
</tr>
<tr>
<td>CHG Contraindication Rate</td>
<td>Feb 2013</td>
<td>Actual 2.76%</td>
<td>10%</td>
</tr>
<tr>
<td>NIV Contraindication Rate</td>
<td>Feb 2013</td>
<td>Actual 25%</td>
<td>42%</td>
</tr>
<tr>
<td>SET Contraindication Rate</td>
<td>Feb 2013</td>
<td>Actual 41%</td>
<td>36%</td>
</tr>
</tbody>
</table>
# VAP Daily Rounding Reports – Supplemental Measures

Viewing for Center City Hospital – ICU as Demo User

## Measures

<table>
<thead>
<tr>
<th>Measure Name</th>
<th>Time Period</th>
<th>My Performance</th>
<th>Improvement Opportunity</th>
<th>Average Performance</th>
<th>My Percentiles</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS Error Rate</td>
<td>Q1 2013</td>
<td>Actual 100%</td>
<td>6</td>
<td>77%</td>
<td>57% - 68%</td>
</tr>
<tr>
<td>Percentage of Beds Occupied</td>
<td>Q1 2013</td>
<td>Actual 100%</td>
<td>8</td>
<td>91%</td>
<td>57% - 68%</td>
</tr>
<tr>
<td>Percentage of Ventilated Patient Days</td>
<td>Q1 2013</td>
<td>Actual 87%</td>
<td>7</td>
<td>82%</td>
<td>68% - 74%</td>
</tr>
</tbody>
</table>

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Privacy Policy
VAP Daily Rounding Reports – Distribution Measures

VAP Daily Rounding

Viewing for Center City Hospital – ICU as Demo User

### Percentage of Oral Care Counts

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>0%</td>
<td>0%</td>
<td>1.68%</td>
<td>8.4%</td>
<td>0.84%</td>
<td>0%</td>
<td>89%</td>
<td>0%</td>
</tr>
<tr>
<td>(0/119)</td>
<td>(0/119)</td>
<td>(2/119)</td>
<td>(10/119)</td>
<td>(1/119)</td>
<td>(0/119)</td>
<td>(106/119)</td>
<td>(0/119)</td>
<td></td>
</tr>
<tr>
<td>February</td>
<td>2.07%</td>
<td>0%</td>
<td>2.07%</td>
<td>0%</td>
<td>1.28%</td>
<td>0%</td>
<td>94%</td>
<td>0%</td>
</tr>
<tr>
<td>(3/145)</td>
<td>(0/145)</td>
<td>(3/145)</td>
<td>(0/145)</td>
<td>(2/145)</td>
<td>(0/145)</td>
<td>(187/145)</td>
<td>(0/145)</td>
<td></td>
</tr>
<tr>
<td>March</td>
<td>0%</td>
<td>0.65%</td>
<td>2.5%</td>
<td>0.65%</td>
<td>2.5%</td>
<td>0%</td>
<td>93%</td>
<td>0%</td>
</tr>
<tr>
<td>(0/154)</td>
<td>(1/154)</td>
<td>(4/154)</td>
<td>(1/154)</td>
<td>(4/154)</td>
<td>(0/154)</td>
<td>(144/154)</td>
<td>(0/154)</td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td>0.72%</td>
<td>0.24%</td>
<td>2.15%</td>
<td>2.52%</td>
<td>1.67%</td>
<td>0%</td>
<td>92%</td>
<td>0%</td>
</tr>
<tr>
<td>(3/418)</td>
<td>(1/418)</td>
<td>(9/418)</td>
<td>(11/418)</td>
<td>(7/418)</td>
<td>(0/418)</td>
<td>(387/418)</td>
<td>(0/418)</td>
<td></td>
</tr>
</tbody>
</table>
VAP Daily Rounding Reports

- Ability to select the time period of data that you would like to view measures for
- Can look at measure rates calculated Daily, Monthly, Quarterly, Year
VAP Daily Rounding Reports

- Trending gives you a quick snapshot in how the measure rate has changed
- Clicking View Chart opens a historical trend chart
VAP Daily Rounding Reports – Trend Charts per Measure

- Interactive chart that allows selection of your comparators and time periods
- Hovering over a data point will display your rate and the comparators configured
- Ability to download a PDF version of the report
Report will show the graph and the time period based upon what was selected on the graph when you ran the report.

Data points are displayed below the graph in a table.
VAP Daily Rounding Reports

- My Rate will show your performance rate as well as an indicator of whether “Higher is Better” or “Lower is Better”

- Improvement Opportunities display the number of events, which if eliminated improve your measure value
VAP Daily Rounding Reports

- Average Performance displays the mean for all the other participants in VAP.

- By clicking Show within the Average Performance, you will see both the All VAP Participants average as well as participants in your State’s average.

- My Percentile shows what percentile your rate is versus all other participants in VAP.
VAP Daily Rounding Reports

- Ability to download both an Excel report or a PDF version of the report
- The same reports are also accessible under My Networks > Reports
VAP Daily Rounding Reports

- Excel version of the report will generate a row for each measure
- The data in the report will reflect the time period selected

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>App Name</td>
<td>Network Name</td>
<td>Tab Name</td>
<td>Time Period</td>
<td>Measure Name</td>
<td>My Rate Goal</td>
<td>Numerator</td>
<td>Denominator</td>
<td>Improvement Opportunities</td>
<td>Comparison Group</td>
<td>Average Performance</td>
<td>My Rate vs Avg Performance</td>
<td>My Percentile</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>VAP Daily Rounding</td>
<td>Center City - ICU</td>
<td>Contraindication</td>
<td>Feb 2013</td>
<td>CSS Contraindication Rate</td>
<td>27 Lower is better</td>
<td>6 22</td>
<td>6</td>
<td>All VAP Participants</td>
<td>52% Above</td>
<td>26%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>VAP Daily Rounding</td>
<td>Center City - ICU</td>
<td>Contraindication</td>
<td>Feb 2013</td>
<td>HOB Contraindication Rate</td>
<td>0.00 Lower is better</td>
<td>0 44</td>
<td>0</td>
<td>All VAP Participants</td>
<td>79% Below</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>VAP Daily Rounding</td>
<td>Center City - ICU</td>
<td>Contraindication</td>
<td>Feb 2013</td>
<td>ORL Core Contraindication Rate</td>
<td>2.07 Lower is better</td>
<td>5 64</td>
<td>5</td>
<td>All VAP Participants</td>
<td>63% Below</td>
<td>65%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>VAP Daily Rounding</td>
<td>Center City - ICU</td>
<td>Contraindication</td>
<td>Feb 2013</td>
<td>CHG Contraindication Rate</td>
<td>2.76 Lower is better</td>
<td>4 64</td>
<td>4</td>
<td>All VAP Participants</td>
<td>40% Below</td>
<td>62%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>VAP Daily Rounding</td>
<td>Center City - ICU</td>
<td>Contraindication</td>
<td>Feb 2013</td>
<td>SAT Contraindication Rate</td>
<td>25 Lower is better</td>
<td>56 64</td>
<td>56</td>
<td>All VAP Participants</td>
<td>42% Below</td>
<td>80%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>VAP Daily Rounding</td>
<td>Center City - ICU</td>
<td>Contraindication</td>
<td>Feb 2013</td>
<td>SBT Contraindication Rate</td>
<td>41 Lower is better</td>
<td>61 146</td>
<td>61</td>
<td>All VAP Participants</td>
<td>56% Above</td>
<td>46%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
VAP Daily Rounding Reports

- PDF version of the report will generate a row for each measure
- The data in the report will reflect the time period selected

<table>
<thead>
<tr>
<th>Measure</th>
<th>My Ratio</th>
<th>Goal</th>
<th>Num / Den</th>
<th>Improvement Opportunities</th>
<th>Comparison Group</th>
<th>Average Performance</th>
<th>My Ratio vs Avg. Performance</th>
<th>My Percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS Contraindication Rate</td>
<td>27%</td>
<td>Lower is better</td>
<td>6 / 22</td>
<td>6</td>
<td>All VAP Participants</td>
<td>12%</td>
<td>Above</td>
<td>16%</td>
</tr>
<tr>
<td>HOB Contraindication Rate</td>
<td>0.00%</td>
<td>Lower is better</td>
<td>0 / 144</td>
<td>0</td>
<td>All VAP Participants</td>
<td>1.79%</td>
<td>Below</td>
<td>100%</td>
</tr>
<tr>
<td>Oral Care Contraindication Rate</td>
<td>2.07%</td>
<td>Lower is better</td>
<td>3 / 145</td>
<td>3</td>
<td>All VAP Participants</td>
<td>3.83%</td>
<td>Below</td>
<td>45%</td>
</tr>
<tr>
<td>CHS Contraindication Rate</td>
<td>2.76%</td>
<td>Lower is better</td>
<td>4 / 145</td>
<td>4</td>
<td>All VAP Participants</td>
<td>10%</td>
<td>Below</td>
<td>62%</td>
</tr>
<tr>
<td>SAT Contraindication Rate</td>
<td>25%</td>
<td>Lower is better</td>
<td>36 / 144</td>
<td>36</td>
<td>All VAP Participants</td>
<td>42%</td>
<td>Below</td>
<td>70%</td>
</tr>
<tr>
<td>SBT Contraindication Rate</td>
<td>41%</td>
<td>Lower is better</td>
<td>61 / 146</td>
<td>61</td>
<td>All VAP Participants</td>
<td>36%</td>
<td>Above</td>
<td>46%</td>
</tr>
</tbody>
</table>
VAP Daily Rounding - Distribution

- Displays frequency charts of various data collection points
VAP Daily Rounding - Distribution

Percentage of CHG Counts

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>&gt;=3</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>0% (0/103)</td>
<td>4.85% (5/103)</td>
<td>94% (97/103)</td>
<td>0.97% (1/103)</td>
</tr>
<tr>
<td>February</td>
<td>2.76% (4/145)</td>
<td>0% (0/145)</td>
<td>96% (140/145)</td>
<td>0.69% (1/145)</td>
</tr>
<tr>
<td>March</td>
<td>0% (0/154)</td>
<td>6.49% (10/154)</td>
<td>92% (143/154)</td>
<td>0.65% (1/154)</td>
</tr>
<tr>
<td>Overall</td>
<td>1% (4/402)</td>
<td>3.73% (15/402)</td>
<td>94% (380/402)</td>
<td>0.75% (3/402)</td>
</tr>
</tbody>
</table>
VAP Daily Rounding - Distribution

Location Distribution

<table>
<thead>
<tr>
<th></th>
<th>0 - In Your ICU</th>
<th>1 - Another ICU</th>
<th>2 - Outside Hospital</th>
<th>3 - OR</th>
<th>4 - RRT</th>
<th>5 - ED</th>
<th>6 - CVDL</th>
<th>7 - Code Floor</th>
<th>8 - Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>February</td>
<td></td>
<td></td>
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<td></td>
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<td>0</td>
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<tr>
<td></td>
<td>March</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Overall</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>5</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Access the Network Performance Monitor by clicking on **My Networks** > **My Network Performance**

- **CSS Compliance Rate**
  - Yukon Hospital Association
  - Average: 7.41%
  - Lower is better

- Smallton Hospital Association
  - Average: 97%
  - Higher is better

- Lugars Hospital Association
  - N/A

- **HOB Compliance Rate**
  - Yukon Hospital Association
  - Average: 1.37%
  - Lower is better

- Smallton Hospital Association
  - Average: 2.87%
  - Higher is better

- Lugars Hospital Association
  - N/A

- **HOB Contraindication Rate**
  - Yukon Hospital Association
  - Average: 30
  - Lower is better

- Smallton Hospital Association
  - Average: 37
  - Higher is better

- Lugars Hospital Association
  - N/A

- **Oral Care Compliance Rate**
  - Average: 54
  - Lower is better
My Networks
My Network Performance

- Network Admins will see the measures from the Registries for each of the networks they are associated with.
- Ability to search for Measures by Name.
- Ability to sort by Time Period.

If Networks are in a hierarchy, you will have the ability to expand to see each Network’s rate.
My Networks

My Network Performance

- Network Admins will see the measures from the VAP Daily Rounding Tool for each of the networks they are associated with.

- Ability to search for Measures by Name.

If Networks are in a hierarchy, you will have the ability to expand to see each Network’s rate.

Reports available for download.
My Networks

My Reports

- Allows you to run all reports from a single interface. Reports are also available within their specific data entry tool.

- Tools, Networks and Reports are displayed based upon what you are associated with.
My Networks
Upload Performance Data

• Currently being leveraged by other Armstrong initiatives for importing data
Communities created for the MD Participants, PA Participants, Overall Initiative and Infection Preventionists
MedConcert – Registration Process

Complete your profile information

Please complete your profile information below.

Name:
First Name: Joseph
Middle Initial: 
Last Name: Smith

Address:
City:
State:
Postal Code:
Country:

Phone:

Fax:

Salutation: Please select
Title:
30 characters maximum

Degree: Please select
MedConcert – Community Collaboration

- AI will be sending you invitations to join networks
- If you have not received your invitation, you can request to join, AI will approve your request
MedConcert – Community Collaboration

VAP: Infection Preventionist

About Us
This is a social networking group for the Infection Preventionists of the Armstrong Institute’s VAP Initiative.

Infection Preventionist's Wire

Kisha Ali
Hi Everyone, here is a document, compliments of the Maryland Hospital Association, on understanding ventilator-associated event (VAE) definitions, and the distinction between surveillance and clinical case definitions. It will also be uploaded to the 'Featured Content' section under the title, 'VAP Talking Points Final.'

VAP Talking Points FINAL.docx (1.07 MB)

Kisha Ali
Hi Everyone, I am also posting in the 'Featured Content' section a 'Ventilator Weaning Protocol' that was furnished to us by the Western Maryland Health System to share with other CJISP for VAP EVAP participants. Thank you, Western Maryland Health System!

Kisha Ali
Hi Everyone, I am posting the 'NSHN VAE Rules Summary' tool in the 'Featured Content' section. (Just look to the right of this posting wall.)
MedConcert – Community Collaboration

VAP: Infection Preventionist

About Us
This is a social networking group for the Infection Preventionists of the Armstrong Institute’s VAP Initiative.

https://armstrongresearch.hopkinsmedicine.org/vap.aspx
750 East Pratt Street, 15th Floor, Baltimore, MD 21202

Infection Preventionist’s Wire

Communicate and share! Type here.

Attach Categorize Tag

Share With: VAP: Infection Preventionist

Submit

Featured Content

- VAP Talking Points FINAL.docx
- WMHS-Vent Weaning Protocol.pdf
- NSHN_VAE_Rules_Summary_12_1

View all →
MedConcert – Community Collaboration

- On the home page, the NewsWire allows you to see posts from any of your networks.
- You’ll receive notifications when new content is posted and available for review.
Support

Technical Support

Available 9:00 AM-6:00 PM EST

Contact Information:
1-888-669-7444 extension 4
lifetimesupport@cecitysupport.com

Content/ Project Support

Contact Information:
cuspevap@jhmi.edu
Thank You!

Questions?