Continuous Quality Improvement (CQI) of MS4
Critical Care Medicine Selective
AY 2021-2022 (12/9/2021)
The following CQI and site comparability report contains detailed information for the Critical Care Medicine Clerkship. Descriptions of quality and comparability benchmarks are located at the beginning of each part of this report.

Part 1: Student Evaluation of MS4 CCM and SUB-I/ Quality & Site Comparability

Quality Benchmark for Clerkship & Site: Highlighted (green) cells indicate the mean is ≥ 3.0; highlighted (red) cells indicate the mean is < 3.0.

Comparability Benchmark: A mean score for a clinical site that is ≥0.5 points below the entire clerkship mean score is flagged for concern by a (red) highlight.

Critical Care Medicine Overall:

<table>
<thead>
<tr>
<th>Item</th>
<th>Number of Students</th>
<th>Average Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provided clear learning objectives, expectations and grading criteria at the start of the rotation.</td>
<td>18</td>
<td>3.78</td>
</tr>
<tr>
<td>Oriented me to how the clinical site(s) worked during this clerkship and clarified to me my role as a student at the site(s).</td>
<td>18</td>
<td>3.57</td>
</tr>
<tr>
<td>Provided a site faculty leader who was committed to student learning and responded to student concerns.</td>
<td>18</td>
<td>3.43</td>
</tr>
<tr>
<td>Provided a clerkship director who was committed to student learning and responded to student concerns.</td>
<td>18</td>
<td>3.78</td>
</tr>
<tr>
<td>Ensured that I was treated like a valuable member of the team.</td>
<td>18</td>
<td>3.61</td>
</tr>
<tr>
<td>Assigned me work tasks relevant to patient care and clerkship learning objectives.</td>
<td>18</td>
<td>3.74</td>
</tr>
<tr>
<td>Made sure that I had clinical supervision whenever I needed it.</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Integrated relevant basic science content (i.e., pharmacology, biochemistry, anatomy, physiology, pathology, etc.) into the clerkship.</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Graded me fairly, based on accurate assessment of my performance, free of bias.</td>
<td>15</td>
<td>3.80</td>
</tr>
<tr>
<td>Ensured that my assigned clinical site(s) provided a positive learning experience.</td>
<td>18</td>
<td>3.78</td>
</tr>
<tr>
<td>Fostered my growth and development as a physician-in-training.</td>
<td>18</td>
<td>3.70</td>
</tr>
<tr>
<td>Improve my clinical skills (e.g., history, physical, procedures) and care for my patients independently. (Patient Care)</td>
<td>18</td>
<td>3.78</td>
</tr>
<tr>
<td>Expand my knowledge of core topics in this field. (Knowledge for Practice)</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Improve my clinical reasoning (e.g., differential diagnosis, diagnostic/management plans). (Practice-based Learning &amp; Improvement)</td>
<td>18</td>
<td>3.78</td>
</tr>
<tr>
<td>Improve how I exchange information to effectively collaborate with patients, their families, and health professionals. (Interpersonal &amp; Communication Skills)</td>
<td>18</td>
<td>3.78</td>
</tr>
<tr>
<td>Carry out professional responsibilities and adhere to ethical principles. (Professionalism)</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Learn about the larger context and system of health care. (Systems-based Practice)</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Engage in an interprofessional team that optimized safe, effective patient- and population-centered care. (Interpersonal &amp; Communication Skills)</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Develop the qualities required to sustain lifelong personal and professional growth. (Personal &amp; Professional Development)</td>
<td>18</td>
<td>3.83</td>
</tr>
<tr>
<td>Grand Total</td>
<td>18</td>
<td>3.75</td>
</tr>
</tbody>
</table>
Highlighted (red) cells indicate the item has been “flagged.” Items 1, 2, & 3 in the table below are flagged if the values are <80%, item 4 is flagged if the value is <100%, and item 5 is flagged if the value is > 0%. Please note, Mid-clerkship feedback and OCE are strongly encouraged in CCM but not required.

<table>
<thead>
<tr>
<th>Question Items</th>
<th>Number of Students</th>
<th>Number of &quot;Yes&quot;</th>
<th>Percent &quot;Yes&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>A faculty member provided me with mid-clerkship feedback during this clerkship.</td>
<td>18</td>
<td>10</td>
<td>56%</td>
</tr>
<tr>
<td>If I did receive mid-clerkship feedback, the faculty member who conducted the feedback session had direct knowledge of my performance.</td>
<td>10</td>
<td>10</td>
<td>100%</td>
</tr>
<tr>
<td>I was observing performing the relevant portions of a patient history and physical examination during the required observed clinical encounter (OCE) during this clerkship.</td>
<td>18</td>
<td>18</td>
<td>100%</td>
</tr>
<tr>
<td>All faculty, staff, students, trainees and patients were treated equitably and respectfully during this rotation no matter their race, ethnicity, country of origin, disabilities, gender, age, sexual and gender identification, religion or economic background.</td>
<td>18</td>
<td>18</td>
<td>100%</td>
</tr>
<tr>
<td>At any time during this clerkship, did you experience mistreatment by a faculty member, by another institution employee or staff member, or by a fellow student? (Please do not include behaviors exhibited by patients.)</td>
<td>18</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Critical Care Medicine by Site:**

Quality Benchmark for Clerkship & Site: A cumulative rating of <3.0 on any item is flagged for concern by a (red) dot.

Comparability Benchmark: A mean score for a clinical site that is ≥0.5 points below the entire clerkship mean score is flagged for concern by a (red) dot.

***The question marked by a gold star indicates a global rating question.***

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>Provided clear learning objectives, expectations and grading criteria at the start of the rotation.</th>
<th>Provided a site faculty leader who was committed to student learning and responded to student concerns.</th>
<th>Provided a clerkship director who was committed to student learning and responded to student concerns.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Students</td>
<td>Average Rating</td>
<td>Quality</td>
</tr>
<tr>
<td>Critical Care</td>
<td>18</td>
<td>3.78</td>
<td></td>
</tr>
<tr>
<td>ICU-Eisenhower</td>
<td>1</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>ICU-RCH</td>
<td>11</td>
<td>3.80</td>
<td></td>
</tr>
<tr>
<td>ICU-UCSD</td>
<td>1</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>MICU-RUHS</td>
<td>1</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>SICU-RUHS</td>
<td>3</td>
<td>3.33</td>
<td></td>
</tr>
<tr>
<td>Clerkship/ Site</td>
<td>Number of Students</td>
<td>Average Rating</td>
<td>Quality</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>----------------</td>
<td>---------</td>
</tr>
<tr>
<td>Critical Care</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICU-Eisenhower</td>
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<td>3.50</td>
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</tr>
<tr>
<td>ICU-RCH</td>
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<td>3.00</td>
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<td>MICU-RUHS</td>
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<tr>
<td>SICU-RUHS</td>
<td>3</td>
<td>3.33</td>
<td></td>
</tr>
</tbody>
</table>

Ensured that I was treated like a valuable member of the team.
Assigned me work tasks relevant to patient care and clerkship learning objectives.

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
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<tbody>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ICU-Eisenhower</td>
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<td>4.00</td>
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<td></td>
<td>1</td>
<td>4.00</td>
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<td>ICU-RCH</td>
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<td>4.00</td>
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<td></td>
<td>1</td>
<td>4.00</td>
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<tr>
<td>MICU-RUHS</td>
<td>1</td>
<td>4.00</td>
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<td></td>
<td>1</td>
<td>4.00</td>
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<td></td>
<td>3</td>
<td>3.67</td>
<td></td>
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</tbody>
</table>

Made sure that I had clinical supervision whenever I needed it.
Integrated relevant basic science content (i.e., pharmacology, biochemistry, anatomy, physiology, pathology, etc.) into the clerkship.

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
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<tbody>
<tr>
<td>Critical Care</td>
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<td></td>
<td></td>
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<tr>
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<td>3.80</td>
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<tr>
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<td>3</td>
<td>3.33</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Graded me fairly, based on accurate assessment of my performance, free of bias.
Ensured that my assigned clinical site(s) provided a positive learning experience.

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Critical Care</td>
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</tr>
<tr>
<td>ICU-Eisenhower</td>
<td>18</td>
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<td>18</td>
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<td>MICU-RUHS</td>
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<td>3</td>
<td>4.00</td>
<td></td>
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</tbody>
</table>

Fostered my growth and development as a physician-in-training.
Improve my clinical skills (e.g., history, physical, procedures) and care for my patients independently. (Patient Care)

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care</td>
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<td>4.00</td>
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<td>ICU-UCSD</td>
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<tr>
<td>MICU-RUHS</td>
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<td>4.00</td>
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<td>4.00</td>
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<tr>
<td>PICU-RUHS</td>
<td>3</td>
<td>3.33</td>
<td></td>
<td></td>
<td>3</td>
<td>4.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Expand my knowledge of core topics in this field. (Knowledge for Practice)
Improve my clinical reasoning (e.g., differential diagnosis, diagnostic/management plans). (Practice-based Learning & Improvement)
Mid-Clerkship Feedback by Site

Quality Benchmark for Clerkship & Site: <80% stating yes is flagged for concern by a (red) dot. Please note, Mid-clerkship feedback and OCE are strongly encouraged in CCM but not required.

Comparability Benchmark: Same as quality benchmark

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care</td>
<td>18</td>
<td>3.78</td>
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<td>ICU-RCH</td>
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<td>ICU-UCSD</td>
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<td></td>
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<tr>
<td>MICU-RUHS</td>
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<td>4.00</td>
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</tr>
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<td>PICU-RUHS</td>
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<tr>
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<td>18</td>
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<td></td>
</tr>
<tr>
<td>ICU-Eisenhower</td>
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<td>4.00</td>
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<td>MICU-RUHS</td>
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<td>PICU-RUHS</td>
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<table>
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<tr>
<th>Clerkship/ Site</th>
<th>Number of Students</th>
<th>Average Rating</th>
<th>Quality</th>
<th>Comparability</th>
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<td>Critical Care</td>
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<td>PICU-RUHS</td>
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</tr>
<tr>
<td>SICU-RUHS</td>
<td>3</td>
<td>4.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A faculty member provided me with mid-clerkship feedback during this clerkship.

<table>
<thead>
<tr>
<th>Clerkship/ Site</th>
<th>N</th>
<th>Percent &quot;Yes&quot;</th>
<th>Number &quot;No&quot;</th>
<th>Quality/Comparability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care</td>
<td>18</td>
<td>56%</td>
<td>8</td>
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<tr>
<td>ICU-Eisenhower</td>
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<td>100%</td>
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<td>ICU-RCH</td>
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<td>45%</td>
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<td>PICU-RUHS</td>
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<td>100%</td>
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<tr>
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<td>3</td>
<td>33%</td>
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</table>
Quality Benchmark for Clerkship & Site: For the item below <80% stating yes is flagged for concern by a (red) dot.

Comparability Benchmark: Same as quality benchmark

<table>
<thead>
<tr>
<th>N</th>
<th>Percent &quot;Yes&quot;</th>
<th>Number &quot;No&quot;</th>
<th>Quality/Comparability</th>
</tr>
</thead>
<tbody>
<tr>
<td>If I did receive mid-clerkship feedback, the faculty member who conducted the feedback session had direct knowledge of my performance.</td>
<td>10</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>Critical Care</td>
<td>10</td>
<td>100%</td>
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</tr>
<tr>
<td>ICU-Eisenhower</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>ICU-RCH</td>
<td>5</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>ICU-UCSD</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>MICU-RUHS</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>PICU-RUHS</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>SICU-RUHS</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
</tbody>
</table>

**Observed Clinical Encounter by Site**

Quality Benchmark for Clerkship & Site: <80% stating yes is flagged for concern by a (red) dot. Please note, Mid-clerkship feedback and OCE are strongly encouraged in CCM but not required.

Comparability Benchmark: Same as quality benchmark

<table>
<thead>
<tr>
<th>N</th>
<th>Percent &quot;Yes&quot;</th>
<th>Number &quot;No&quot;</th>
<th>Quality/Comparability</th>
</tr>
</thead>
<tbody>
<tr>
<td>I was observed performing the relevant portions of a patient history and physical examination during the required observed clinical encounter (OCE) during this clerkship.</td>
<td>18</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>Critical Care</td>
<td>18</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>ICU-Eisenhower</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>ICU-RCH</td>
<td>11</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>ICU-UCSD</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>MICU-RUHS</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>PICU-RUHS</td>
<td>1</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>SICU-RUHS</td>
<td>3</td>
<td>100%</td>
<td>0</td>
</tr>
</tbody>
</table>
Learning Environment by Site

Quality Benchmark for Clerkship & Site: <100% stating yes is flagged for concern by a (red) dot.

Comparability Benchmark: Same as quality benchmark

<table>
<thead>
<tr>
<th>N</th>
<th>Percent “Yes”</th>
<th>Number “No”</th>
<th>Quality/Comparability</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>100%</td>
<td>0</td>
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</tr>
</tbody>
</table>

Mistreatment by Site

Quality Benchmark for Clerkship & Site: >0% stating yes is flagged for concern by a (red) dot.

Comparability Benchmark: Same as quality benchmark

<table>
<thead>
<tr>
<th>N</th>
<th>Percent “Yes”</th>
<th>Number “No”</th>
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</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>0%</td>
<td>18</td>
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</tbody>
</table>

Part 2: Aggregated MS4 Student Evaluation of Clinical Teaching – Inpatient Teaching / Quality & Site Comparability

Quality Benchmark for Clerkship & Site: A cumulative rating of <3.0 (bottom two quintiles – Bottom 40% of teachers) on the global rating item is flagged for concern by a (red) dot. The global rating item contains a 1-5 scale from poor (1) to excellent (5). A cumulative rating of <3.0 on all other items are flagged for concern by a (red) dot. All other items contain a 1-4 scale from unsatisfactory (1) to excellent (4).

Comparability Benchmark: A mean score for a clinical site that is ≥0.5 below the overall clerkship mean score is flagged for concern by a (red) dot.

***The question marked by a gold star indicates a global rating question.***
<table>
<thead>
<tr>
<th>Institution/Program</th>
<th>Faculty</th>
<th>Average</th>
<th>Quality</th>
<th>Comarability</th>
<th>Faculty</th>
<th>Average</th>
<th>Quality</th>
<th>Comarability</th>
<th>Faculty</th>
<th>Average</th>
<th>Quality</th>
<th>Comarability</th>
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</thead>
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</tr>
<tr>
<td>Eisenhower</td>
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<td></td>
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<tr>
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<td>13</td>
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</tr>
</tbody>
</table>

Consistent with how to perform clinical skills and gave students adequate supervision. Actively engaged students in discussion. Asked students questions aimed at increasing their understanding. Encouraged students to formulate and pursue learning goals.
Part 3: MS4 REQUIRED CLINICAL ENCOUNTER LOGS FOR CCM ONLY / QUALITY & SITE COMPARABILITY

Critical Care Medicine: Monitoring Required Clinical Experiences for the Clerkship and Each Site

Quality Benchmark for Clerkship and Site: A cell with ≤ 75% of all students reported encountering a live patient with this condition/procedure is highlighted (red) for concern.

Comparability Benchmark: Same as quality benchmark
<table>
<thead>
<tr>
<th></th>
<th>ICU-UCSD</th>
<th></th>
<th>MICU-RUHS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Students</td>
<td>% Complete</td>
<td>Number of Students</td>
<td>% Complete</td>
</tr>
<tr>
<td><strong>Diagnosis</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute kidney injury</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Coagulopathic patient</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Electrolyte derangement</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Elevated Intracranial pressure</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Healthcare associated infection</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Intrathoracic pressure effecting right ventricular pressures and/or pulmonary vascular resistance</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating afterload</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating preload</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Management of arrythmias</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Respiratory failure</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Sepsis</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Shock</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Transfusion of blood products</td>
<td>1</td>
<td>0%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Procedure</strong></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>ABG interpretation</td>
<td>1</td>
<td>100%</td>
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<td>50%</td>
</tr>
<tr>
<td>Arterial line placement</td>
<td>1</td>
<td>100%</td>
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<td>Central venous line placement</td>
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<td>Chest x-ray interpretation</td>
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</tr>
<tr>
<td>ECG Interpretation</td>
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<td>50%</td>
</tr>
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<td>Endotracheal intubation</td>
<td>1</td>
<td>100%</td>
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<td>50%</td>
</tr>
<tr>
<td>Management of mechanical ventilation</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Obtain informed consent</td>
<td>1</td>
<td>100%</td>
<td>2</td>
<td>50%</td>
</tr>
<tr>
<td>Thoracentesis/Thoracostomy</td>
<td>1</td>
<td>100%</td>
<td>2</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>PICU-RUHS</th>
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<th>SICU-RUHS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Students</td>
<td>% Complete</td>
<td>Number of Students</td>
<td>% Complete</td>
</tr>
<tr>
<td><strong>Diagnosis</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute kidney injury</td>
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<td>100%</td>
<td>4</td>
<td>75%</td>
</tr>
<tr>
<td>Coagulopathic patient</td>
<td>1</td>
<td>100%</td>
<td>4</td>
<td>75%</td>
</tr>
<tr>
<td>Electrolyte derangement</td>
<td>1</td>
<td>100%</td>
<td>4</td>
<td>75%</td>
</tr>
<tr>
<td>Elevated Intracranial pressure</td>
<td>1</td>
<td>0%</td>
<td>4</td>
<td>75%</td>
</tr>
<tr>
<td>Healthcare associated infection</td>
<td>1</td>
<td>100%</td>
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<td>75%</td>
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<tr>
<td>Intrathoracic pressure effecting right ventricular pressures and/or pulmonary vascular resistance</td>
<td>1</td>
<td>100%</td>
<td>4</td>
<td>75%</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating afterload</td>
<td>1</td>
<td>100%</td>
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</tr>
<tr>
<td>Intrathoracic pressure modulating preload</td>
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<td>75%</td>
</tr>
<tr>
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<td>0%</td>
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<td>Respiratory failure</td>
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<td>4</td>
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<td>Shock</td>
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<td>Transfusion of blood products</td>
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<td><strong>Procedure</strong></td>
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<td>75%</td>
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<td>Arterial line placement</td>
<td>1</td>
<td>100%</td>
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<td>Management of mechanical ventilation</td>
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<td>100%</td>
<td>4</td>
<td>75%</td>
</tr>
<tr>
<td>Obtain informed consent</td>
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<td>Thoracentesis/Thoracostomy</td>
<td>1</td>
<td>0%</td>
<td>4</td>
<td>50%</td>
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</tbody>
</table>
### Critical Care Medicine: Monitoring Student Completion of Logging By End of Clerkship

Quality Benchmark for Clerkship & Site: If 1 or more students did not log either a live patient or alternate experience for a specific requisite it is flagged for concern by a (red) “x”.

Comparability Benchmark: N/A (See quality benchmark)

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Total Number of Students</th>
<th>Total % Complete</th>
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</thead>
<tbody>
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<td>23</td>
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<tr>
<td>Coagulopathic patient</td>
<td>23</td>
<td>74%</td>
</tr>
<tr>
<td>Electrolyte derangement</td>
<td>23</td>
<td>74%</td>
</tr>
<tr>
<td>Elevated Intracranial pressure</td>
<td>23</td>
<td>70%</td>
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<td>Healthcare associated infection</td>
<td>23</td>
<td>74%</td>
</tr>
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<td>Intrathoracic pressure effecting right ventricular pressures and/or pulmonary vascular resistance</td>
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<td>65%</td>
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<td>Intrathoracic pressure modulating afteroad</td>
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<tr>
<td>Respiratory failure</td>
<td>23</td>
<td>74%</td>
</tr>
<tr>
<td>Sepsis</td>
<td>23</td>
<td>78%</td>
</tr>
<tr>
<td>Shock</td>
<td>23</td>
<td>78%</td>
</tr>
<tr>
<td>Transfusion of blood products</td>
<td>23</td>
<td>74%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Total Number of Students</th>
<th>Total % Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABG interpretation</td>
<td>23</td>
<td>83%</td>
</tr>
<tr>
<td>Arterial line placement</td>
<td>23</td>
<td>83%</td>
</tr>
<tr>
<td>Central venous line placement</td>
<td>23</td>
<td>83%</td>
</tr>
<tr>
<td>Chest x-ray interpretation</td>
<td>23</td>
<td>78%</td>
</tr>
<tr>
<td>ECG Interpretation</td>
<td>23</td>
<td>74%</td>
</tr>
<tr>
<td>Endotracheal intubation</td>
<td>23</td>
<td>78%</td>
</tr>
<tr>
<td>Management of mechanical ventilation</td>
<td>23</td>
<td>78%</td>
</tr>
<tr>
<td>Obtain informed consent</td>
<td>23</td>
<td>83%</td>
</tr>
<tr>
<td>Thoracentesis/Thoracostomy</td>
<td>23</td>
<td>57%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>ICU-Eisenhower</th>
<th>ICU-RCH</th>
<th>ICU-UCSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute kidney injury</td>
<td>✓</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Coagulopathic patient</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Electrolyte derangement</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Elevated Intracranial pressure</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Healthcare associated infection</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Intrathoracic pressure effecting right ventricular pressures and/or pulmonary vascular resistance</td>
<td>✓</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating afteroad</td>
<td>✓</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating preload</td>
<td>✓</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Management of arrhythmias</td>
<td>✓</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Respiratory failure</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Sepsis</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Shock</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Transfusion of blood products</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Procedure</th>
<th>ICU-Eisenhower</th>
<th>ICU-RCH</th>
<th>ICU-UCSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABG interpretation</td>
<td>✓</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Arterial line placement</td>
<td>✓</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Central venous line placement</td>
<td>✓</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Chest x-ray interpretation</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>ECG Interpretation</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Endotracheal intubation</td>
<td>✓</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Management of mechanical ventilation</td>
<td>✓</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Obtain informed consent</td>
<td>✓</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Thoracentesis/Thoracostomy</td>
<td>✓</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>
Part 4: MS4 STUDENT WORK HOUR LOGS IN CCM ONLY / QUALITY & SITE COMPARABILITY

Quality benchmark for Clerkship & Site: A clerkship site or clerkship reporting more than 80 hours per week by one or more students is flagged for concern by a (red) dot.

Comparability Benchmark: A ≥ ±15% variation in the reported mean hours per week at a clinical site from the overall clerkship mean is flagged for concern by a (red) dot.

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>MICU-RUHS</th>
<th>PICU-RUHS</th>
<th>SICU-RUHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute kidney injury</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Coagulopathic patient</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Electrolyte derangement</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Elevated Intracranial pressure</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Healthcare associated infection</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Intrathoracic pressure effecting right ventricular pressures and/or pulmonary vascular resistance</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating afterload</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating preload</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Management of arrhythmias</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Respiratory failure</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Sepsis</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Shock</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Transfusion of blood products</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
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<tr>
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<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
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<tr>
<td>Central venous line placement</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Chest x-ray interpretation</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>ECG Interpretation</td>
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<td>✓ 0</td>
<td>✗ 1</td>
</tr>
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<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Management of mechanical ventilation</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Obtain informed consent</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
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<td>✓ 0</td>
<td>✗ 1</td>
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<th>SICU-RUHS</th>
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</thead>
<tbody>
<tr>
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<td>✓ 0</td>
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<tr>
<td>Coagulopathic patient</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
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<tr>
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<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Elevated Intracranial pressure</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Healthcare associated infection</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Intrathoracic pressure effecting right ventricular pressures and/or pulmonary vascular resistance</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating afterload</td>
<td>✗ 1</td>
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<td>✗ 1</td>
</tr>
<tr>
<td>Intrathoracic pressure modulating preload</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Management of arrhythmias</td>
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<td>Respiratory failure</td>
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<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Sepsis</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Shock</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
</tr>
<tr>
<td>Transfusion of blood products</td>
<td>✗ 1</td>
<td>✓ 0</td>
<td>✗ 1</td>
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</table>
Part 5: MS4 Learner Evaluation Summary / Quality & Site Comparability

**CCM GRADE DISTRIBUTION PERCENTAGES**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Fail</td>
<td>0%</td>
</tr>
<tr>
<td>Incomplete</td>
<td>26%</td>
</tr>
<tr>
<td>Pass</td>
<td>4%</td>
</tr>
<tr>
<td>High Pass</td>
<td>13%</td>
</tr>
<tr>
<td>Honors</td>
<td>57%</td>
</tr>
</tbody>
</table>

**CRITICAL CARE GRADE DISTRIBUTION**

<table>
<thead>
<tr>
<th>Sites</th>
<th>Incomplete</th>
<th>Pass</th>
<th>High Pass</th>
<th>Honors</th>
<th>N = Total Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICU-Eisenhower</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>ICU-RCH</td>
<td>4</td>
<td>2</td>
<td>8</td>
<td>1</td>
<td>14</td>
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<td>ICU-UCSD</td>
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<td>14</td>
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<td>2</td>
</tr>
<tr>
<td>PICU-RUHS</td>
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<td></td>
<td>1</td>
<td></td>
<td>1</td>
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<tr>
<td>SICU-RUHS</td>
<td>1</td>
<td></td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

0% OF STUDENTS FAILED THIS CLERKSHIP
Part 6: Timeliness of Grades

Quality Benchmark for Clerkship & Site: LCME requires that all grades be visible to students prior to 6 weeks from the last day of the clerkship. All MS4 courses, including CCM and Sub-I receive their grades at the same time at the end of each registration block. Please note that this only captures grades for Blocks 1 through 4. Blocks 5 and 6 were still pending as of 12/9/2021. The average across the first 4 blocks for delivering grades is 5 weeks and 3 days.

<table>
<thead>
<tr>
<th>Year</th>
<th>Academic Year 2021-2022, December 2021</th>
<th>Number of weeks it took for students to receive grades</th>
<th>Percentage of students who did not receive grades within 6 weeks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Block 1</td>
<td>5w 6d</td>
<td>0.0%</td>
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<tr>
<td>4</td>
<td>Block 2</td>
<td>3w 6d</td>
<td>0.0%</td>
</tr>
<tr>
<td>4</td>
<td>Block 3</td>
<td>6w 0d</td>
<td>0.0%</td>
</tr>
<tr>
<td>4</td>
<td>Block 4</td>
<td>6w 0d</td>
<td>0.0%</td>
</tr>
<tr>
<td>Average</td>
<td>All Blocks</td>
<td>5w 3d</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

Timeliness of Grades for Critical Care Medicine December 2021

University of California, Riverside School of Medicine
School of Medicine Education Building • 900 University Avenue • Riverside, CA 92521