E-QUAL and CEDR Strive for Data-Driven Quality

The E-QUAL Mission:
The Emergency Quality Network (E-QUAL) engages emergency clinicians and leverage emergency departments to improve clinical outcomes, coordination of care and to reduce costs.

E-QUAL Focus Areas
- Improve Outcomes
- Reduce Avoidable Testing
- Improve The Value of Emergency Care

ED Participants
Breakdown of E-QUAL EDs by Zip Code and Hospital Type. 863 EDs engaged in E-QUAL in 45 states.

Avoidable Imaging Wave II
E-QUAL observed reductions in CT use in Head CT for Minor Head Trauma or Syncope, and in Abdomen CT for Renal Colic

Chest Pain Wave I
The Chest Pain Inpatient Admission Rate began to decrease in the first 6 months.

ED Participants
The Clinical Emergency Data Registry (CEDR) is a CMS-designated Qualified Clinical Data Registry. CEDR is designed to measure healthcare quality, outcomes, practice patterns, and trends in emergency care.

CEDR Focus Areas
- Developing the first and only emergency medicine specialty registry at a national level.
- Enabling emergency physicians to participate in MACRA.

CMS Improvement Activities
- Quality
- Clinical Practice Improvement Activities
- Resource Use
- Advancing Care Information

Results of the Innovation

<table>
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<tr>
<th></th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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</thead>
<tbody>
<tr>
<td>Number of Providers</td>
<td>2,143</td>
<td>10,000+</td>
<td>15,000+</td>
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<tr>
<td>Number of Patient Visits</td>
<td>3M</td>
<td>15M</td>
<td>25M</td>
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<tr>
<td>Number of ED Engaged</td>
<td>70</td>
<td>800+</td>
<td>1200+</td>
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<td>Number of EMR/EDIS</td>
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<tr>
<td>Performance Measures</td>
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<td>46</td>
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Avoidable Imaging

<table>
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<tr>
<th></th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tbody>
<tr>
<td>Sepsis</td>
<td>254</td>
<td>1123</td>
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<tr>
<td>Avoidable Imaging</td>
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<td>609</td>
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</tr>
<tr>
<td>Chest Pain</td>
<td>31</td>
<td>126</td>
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</tr>
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</table>

Learning Collaborative Number of EDs Earning IA Credits Total Earned IA Credits

Average ROI

Based on the national total Medicare billing ($140,000) for a site with an average of 10,000 Medicare visits per annum.

www.acep.org/equal
www.acep.org/cedr

American College of Emergency Physicians
ADVANCING EMERGENCY CARE