ETC Code Stroke Improvement

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ETC Code Stroke Improvement
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Plan
There was a 42% increase in median times for patients receiving alteplase (tPA) within 60 minutes from 48 minutes in Q3FY13 to 68 minutes in Q1FY15. Research indicates every 15 minute delay in stroke treatment, the odds of good outcome decreased by 10%.

Check

<table>
<thead>
<tr>
<th>Measure</th>
<th>Baseline Jul-Mar FY15</th>
<th>Target Jul-Dec FY16</th>
<th>Actual Jul-Dec FY16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient receipt of tPA within 60 minutes of arrival to ETC</td>
<td>52% (15% improvement)</td>
<td>60% (15% improvement)</td>
<td>66% (27% improvement)</td>
</tr>
<tr>
<td>Door to CT initiated &lt; 25 min.</td>
<td>60% (42% improvement)</td>
<td>85% (42% improvement)</td>
<td>90% (50% improvement)</td>
</tr>
<tr>
<td>CT initiated to report &lt; 20 min.</td>
<td>79% (14% improvement)</td>
<td>90% (14% improvement)</td>
<td>82% (4% improvement)</td>
</tr>
<tr>
<td>Door to ETC MD &lt; 15 min.</td>
<td>66%</td>
<td>90%</td>
<td>84% (27% improvement)</td>
</tr>
<tr>
<td>Reduce process wastes</td>
<td>48</td>
<td>24 (50% reduction)</td>
<td>39 (19% reduction)</td>
</tr>
</tbody>
</table>

Act
- Alteplase checklist initiated by EMS
- Focus review by ETC MD before CT
- Notify Stroke Provider before CT resulted
- Order CT perfusion and alert pharmacy to potential Alteplase need upon Stroke Provider recommendation
- Create Code Stroke Cart
- Glucose meter at triage desk
- Last Time Known Well on white board

Do
During two day rapid improvement event team members and content experts used process mapping to identify waste in current state ETC Code Stroke process and determine countermeasures to eliminate waste and improve throughput.

Team Members
Melissa Freese, BSN, RN, CNRN Stroke Care Specialist
Jessica Miller, MS, APRN, CNS Performance Improvement Clinical Consultant
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References


