Incentive Spirometry Use
Aimee Ball BSN, RN; Duncan Kithinji BSN, RN; Alexis Lower BSN, RN

Background
- Incentive spirometry is an effective way to increase lung capacity and prevent pneumonia in patients who have respiratory disease or have had thoracic surgeries.
- Compliance with incentive spirometry has been proven to be poor.
- Many research articles have been deemed inaccurate due to poor documentation from the nurses.
- The aim of the project is to increase compliance with incentive spirometry in patients who have chest tubes and require more oxygen than their baseline

Methods
- Discuss plans with Assistant Nurse manager
- Go to staff meeting and allow input from nurses
- Audit documentation on incentive spirometry use
- Administer education flyers throughout the floor
- Re-audit documentation tool one month after administration

Measures and Results

Pre-Survey Results (n=23)

<table>
<thead>
<tr>
<th>Incentive Spirometry Use</th>
<th>Pre-Education</th>
<th>Post-Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patients with increased oxygen demand or chest tube</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>Incentive Spirometry documentation (%)</td>
<td>9</td>
<td>19</td>
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While there was a small increase from 9.1% to 12.5% in incentive spirometry documentation, the results show that there is still a lack of documentation on incentive spirometry use. However, since there was a small increase in documentation, continuing staff education may further improve incentive spirometry documentation.

Conclusion

References