A study at Beaumont Hospital has found that using Vocera voice badges dramatically reduces alarm response times from 9.5 minutes to 39 seconds.

Voceras are devices that provide immediate two-way communication that is activated by a push of a button and voice response.

Voceras improve communication and working environment: less noise, better handovers and improved staff resource use.

Background

Purpose
Assess patient response times and survey staff about a variety of different communication techniques used on different floors of the hospital to analyze which technique is most efficient for patient response times and most convenient for staff.

Methods

- Administer surveys to RNs on multiple units.
- Different surveys will be used based on what form of communication the staff uses (Voceras or not).
- Administer flyers and present education during shifts to RNs on said units.
- Administer call logs to unit secretaries to track response times.

Measures and Results

Vocera Educational Flyer

How is the Communication on your floor?

Vocera

- Schedule Reminders
- Receive secure voice messages
- Broadcast to groups of people!

Do you find it hard to communicate with other staff members on your floor?

Would you like an easier way to get help when you need it?

We want to hear your input about how you communicate! Please fill out a survey that can be found at the nurses station!

Results

Survey for Staff without Voceras

| Purpose | Methods | Summary/Discussion |

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Neutral</th>
<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Others on my unit can contact me easily&quot;</td>
<td>4</td>
<td>13%</td>
<td>6</td>
<td>20%</td>
</tr>
<tr>
<td>&quot;I can rapidly contact anyone I need&quot;</td>
<td>6</td>
<td>20%</td>
<td>12</td>
<td>40%</td>
</tr>
<tr>
<td>&quot;It is easy for me to find other staff members&quot;</td>
<td>8</td>
<td>27%</td>
<td>12</td>
<td>40%</td>
</tr>
<tr>
<td>&quot;When I am in a patient room it is easy for me to get help I need&quot;</td>
<td>3</td>
<td>10%</td>
<td>8</td>
<td>27%</td>
</tr>
</tbody>
</table>

Survey for Staff with Voceras

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</thead>
<tbody>
<tr>
<td>&quot;Others on my unit can contact me easily&quot;</td>
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<td>0%</td>
<td>5</td>
<td>16%</td>
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<tr>
<td>&quot;I can rapidly contact anyone I need&quot;</td>
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<td>3%</td>
<td>4</td>
<td>13%</td>
</tr>
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Conclusion

- Overall, the majority of staff that utilized Voceras felt that communication between staff was quick and efficient where as staff on floors that didn’t have Voceras mostly felt neutral on their form of communication, with majority stating they could not rapidly contact anyone they needed.
- We were unable to obtain an accurate call light log due to lack of participation.

References