Reducing 30-day ER visits For Thoracic Surgery

St. Joseph’s Healthcare Hamilton recognized post-discharge Emergency Room (ER) visits to be a major problem after thoracic surgery. They chose to implement SeamlessMD to stay connected with their patients post-operatively – sending just-in-time reminders, education for self-management, and to monitor patients outside the hospital to catch patients at-risk of complications, readmissions, and ER visits.

Solutions Used:

- Remote Patient Monitoring
- Patient Education & Self-Management
- Patient-Reported Outcomes Collection

### Results

<table>
<thead>
<tr>
<th></th>
<th>No App (n = 408)</th>
<th>App (n=122)</th>
<th>P-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER Visits (%)</td>
<td>29.41</td>
<td>15.57</td>
<td>0.002</td>
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<tr>
<td>Multiple ER Visits (%)</td>
<td>7.84</td>
<td>2.46</td>
<td>0.032</td>
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<tr>
<td>Readmissions (%)</td>
<td>8.09</td>
<td>6.56</td>
<td>0.59</td>
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Multivariate logistic regression identified that App usage is the only independent predictor for reduction of ER visits. (OR= 0.47, p=0.018).

"SeamlessMD gives us complete insight into each patient's journey through surgery. It allows us to monitor patients to ensure a safe recovery and reduce unnecessary ER visits."

Dr. Yaron Shargall
Chief, General Thoracic Surgery
St. Joseph's Healthcare Hamilton