**Problem**
There is a need to address medication non-adherence among the elderly

**Background**
Elderly medical non-adherence costs over 14 billion annually\(^1\)

Over 50% did not know their medication’s purpose\(^1\)

Over 75% did not know potential side effects\(^1\)

**Clinical Trial**
Who: 500 UMass Memorial Patients (65+)
What: 8-Item Morisky Adherence Scale
When: 15 Months
Where: Worcester, Massachusetts

**Approach**

**Anticipated Results**

<table>
<thead>
<tr>
<th>Goals Achieved</th>
<th>Goals Not Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>343</td>
</tr>
</tbody>
</table>

The goals were achieved when patients took their medication on time and as prescribed

**Chart Contents**

<table>
<thead>
<tr>
<th>Medication &amp; Picture</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did I Take It?</td>
<td></td>
</tr>
<tr>
<td>When To Use</td>
<td>Side Effects</td>
</tr>
</tbody>
</table>

**Discussion**
- Implement as a subscription service
- Partner with insurance companies
- Link with an educational program
- Will not aid patients with memory issues

**References**

**Change in 8-Item Morisky Adherence Scale\(^2,3\)**

The average patient improved adherence by 2.83 points on the Morisky Scale while using the chart


\(^2\) From: Dr. Sarah McGee MD, Personal Communication, 2017 November 28.