This report shows the time study done by ProTeam in two senior living facilities using the FreeFlex® Cordless Upright. ProTeam observed the cleaning workers in the facilities without giving instruction or feedback. This test was performed to show a comparison between a cordless upright and a standard upright.
# FINDINGS

## Cadence Living, Marietta, GA

ProTeam recorded established cleaning workers at Cadence Living facility in Marietta, GA using the FreeFlex cordless upright vs. their current standard corded upright.

There are 5 main common areas and 88 individual bedrooms. The time was started the moment the cleaning workers started vacuuming the area to when they completed that space.

<table>
<thead>
<tr>
<th>Area Cleaned</th>
<th>Sq. Ft.</th>
<th>Corded Upright (mins)</th>
<th>ProTeam FreeFlex (mins)</th>
<th>Frequency</th>
<th>Time Saved (mins)</th>
<th>Time Saved for *88 Bedrooms (mins)</th>
<th>% Productivity Increase over Current Cleaning Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lobby Area, Library and Offices</td>
<td>1,275</td>
<td>28.13</td>
<td>9.67</td>
<td>Daily</td>
<td>18.47</td>
<td>-</td>
<td>66%</td>
</tr>
<tr>
<td>TV Room</td>
<td>494</td>
<td>4.93</td>
<td>4.00</td>
<td>Daily</td>
<td>.93</td>
<td>-</td>
<td>19%</td>
</tr>
<tr>
<td>Copier Room</td>
<td>208</td>
<td>2.75</td>
<td>1.50</td>
<td>Daily</td>
<td>1.25</td>
<td>-</td>
<td>45%</td>
</tr>
<tr>
<td>Dining Room</td>
<td>2,508</td>
<td>24.50</td>
<td>16.20</td>
<td>Daily</td>
<td>8.30</td>
<td>-</td>
<td>34%</td>
</tr>
<tr>
<td>Bedroom (*88 Rooms)</td>
<td>242</td>
<td>11.23</td>
<td>4.87</td>
<td>Daily</td>
<td>6.37</td>
<td>560.27</td>
<td>57%</td>
</tr>
</tbody>
</table>

*Time rounded to the nearest hundredth decimal.

Results indicated that almost 10 hours could be saved daily using the FreeFlex cordless upright instead of a standard corded upright. These savings showed a 66% productivity increase in the lobby area and an overall average increase of 44% for the entire facility. Cleaning workers also noticed the importance of removing the tripping hazard of a cord around obstacles and residents.

### User Testimonial

**Results**

“Working without a cord was great. This vacuum is stronger and lighter than what we are using. It’s a great vacuum, I wish I had one to keep.”

- D’Micah Beard

“I was able to clean around residents with no trip hazard. This unit was more efficient, it cleaned/picked up well and you could reach under the bed with it, unlike the other vacuum. It’s a good product that I would recommend.”

- Judith Reid

“Worked well and performed well. Eliminated the cord hazard around staff and residents which ultimately increased productivity.”

- Vincent Miles
FINDINGS

The Oaks, Woodstock, GA

ProTeam recorded established cleaning workers at The Oaks facility in Woodstock, GA using the FreeFlex cordless upright vs. their current standard corded upright.

There are 3 main common areas and 30 individual bedrooms. The time was started the moment the cleaning worker removed the vacuum from the cleaning cart to when it was returned to the cart.

<table>
<thead>
<tr>
<th>Area Cleaned</th>
<th>Sq. Ft.</th>
<th>Corded Upright (mins)</th>
<th>ProTeam FreeFlex (mins)</th>
<th>Frequency</th>
<th>Time Saved (mins)</th>
<th>Time Saved for *30 Rooms (mins)</th>
<th>% Productivity Increase over Current Cleaning Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Area: Carpeted Corridors, Lobby &amp; Dining</td>
<td>2,029</td>
<td>12.60</td>
<td>5.22</td>
<td>Daily</td>
<td>7.38</td>
<td>-</td>
<td>59%</td>
</tr>
<tr>
<td>Piano Room</td>
<td>2,692</td>
<td>7.50</td>
<td>3.37</td>
<td>Daily</td>
<td>4.13</td>
<td>-</td>
<td>55%</td>
</tr>
<tr>
<td>Memory Care Room (*30 Rooms)</td>
<td>324</td>
<td>4.45</td>
<td>1.15</td>
<td>Daily</td>
<td>3.30</td>
<td>99.00</td>
<td>74%</td>
</tr>
<tr>
<td>Bedroom A (*30 Rooms)</td>
<td>276</td>
<td>4.48</td>
<td>1.32</td>
<td>Daily</td>
<td>3.17</td>
<td>95.00</td>
<td>71%</td>
</tr>
<tr>
<td>Bedroom B (*30 Rooms)</td>
<td>163</td>
<td>3.63</td>
<td>1.10</td>
<td>Daily</td>
<td>2.53</td>
<td>76.00</td>
<td>70%</td>
</tr>
<tr>
<td>Bedroom C (*30 Rooms)</td>
<td>590</td>
<td>4.17</td>
<td>2.22</td>
<td>Daily</td>
<td>1.95</td>
<td>58.50</td>
<td>47%</td>
</tr>
</tbody>
</table>

*Time rounded to the nearest hundredth decimal.

Results indicated that more than 5 hours could be saved daily using the FreeFlex cordless upright instead of a standard corded upright. These savings showed an average 63% productivity increase for the entire facility.

During the test it was observed that the cleaning worker had to stop multiple times when using the corded upright for residents to walk by to avoid the tripping hazard of a cord.

Ultimately, hand tools are needed by this particular facility in bedrooms which the FreeFlex does not provide. However, a 59% savings could occur in the common areas.

RESULTS

The FreeFlex cordless upright is more productive due to several factors:

- **NO** searching for an outlet to plug/unplug as you vacuum
- **NO** stopping for occupants - **NO** tripping hazard
- **NO** catching cord on obstacles

Time Study Key Take Aways

Saved Daily for Common Areas 11.52 mins
Saved Daily for Entire Facility 340.02 mins 5 hrs 40 mins
Go Anywhere Safely

FreeFlex Hybrid Cordless/Corded Upright

FACT:
20% of all U.S. nursing homes were deemed deficient in the Housekeeping category.

Source – State inspections 2010
statehealthfacts.org

20%

43% OF ALL certified nursing facilities in 2016 were deficient in the Accident Environment category.
statehealthfacts.org

MORE THAN 60% of nursing homes residents will fall each year.
National Floor Safety Institute

Cordless Cleaning
to help keep your facility as safe as possible.

43% OF ALL certified nursing facilities in 2016 were deficient in the Accident Environment category.
statehealthfacts.org

MORE THAN 60% of nursing homes residents will fall each year.
National Floor Safety Institute

107499 FreeFlex Cordless/Corded

Less Time Spent Vacuuming

More Time for Personal Resident Attention and Other Tasks.