

# UPDATE ON THE FUNCTIONAL MOBILITY ASSESSMENT REGISTRY: WHAT THE DATA SAYS

**Alpine Home Medical 5th Annual Rehab Conference  
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Salt Lake City, UT**

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# Learning Objectives



- Identify 2 reasons why the field needs a mobility registry
- List 3 elements of the associate FMA Database/UDS
- Explain 2 analyses from the dataset



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# FMA Items & Scoring

- 10 statements and 6 possible responses
- Total score is X / 60
- Identify method of mobility
  - Walking (orthotic/prosthetic)
  - Cane
  - Crutch
  - Walker
  - Manual wheelchair
  - Power wheelchair, or scooter
- Consumer has option to provide comments with answers
  - Not included in database or analyses



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# FMA Items

1. Daily Routine
2. Comfort Needs
3. Health Needs
4. Operate
5. Reach
6. Transfers
7. Personal Care
8. Indoor Mobility
9. Outdoor Mobility
10. Transportation



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# FMA Scoring

**6 = Completely Agree (100%)**

**5 = Mostly Agree (80%)**

**4 = Somewhat Agree (60%)**

**3 = Somewhat Disagree (40%)**

**2 = Mostly Disagree (20%)**

**1 = Completely Disagree (0%)**

**\* Area to provide comments for each item**



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# FMA UDS

- Demographics
- Primary Diagnosis/Onset
- Skin Breakdown
- Recent Hospitalizations
- Employment Status
- History of Falls
- Device Use
- Out of Home Frequency
- Employment
- Living Situation
- Transportation
- Funding Source/Insurance
- Recent Repair and Maintenance
- Current Device / HCPCS
- ATP Involvement
- Age of Current Equipment
- Current Equipment Manufacturer
- Current Device Accessories
- Current cushion



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# UDS 21-Day Follow-Up Form

- **Demographics**
- **Client Status**
- **Skin Breakdown**
- **Recent Hospitalization**
- **History of Falls**
- **Device Use**
- **Out of Home Frequency**
- **Employment**
- **Living Situation**
- **Transportation**
- **Device Repair and Maintenance**
- **Post Delivery Device**
  - (HCPCS Code)
  - Manufacturer/model
  - Accessories
  - Cushion Type



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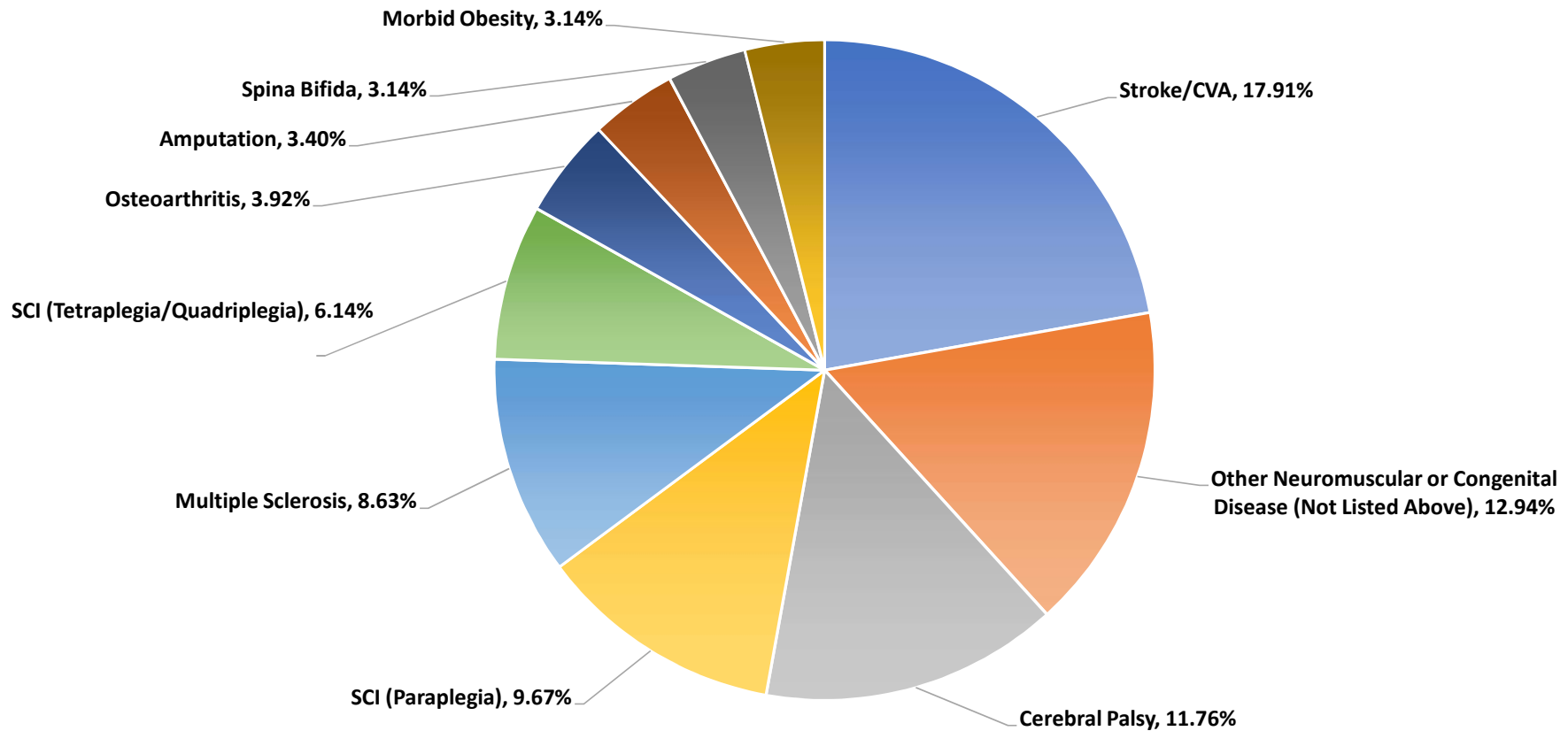


# U.S. Rehab Demographic Data





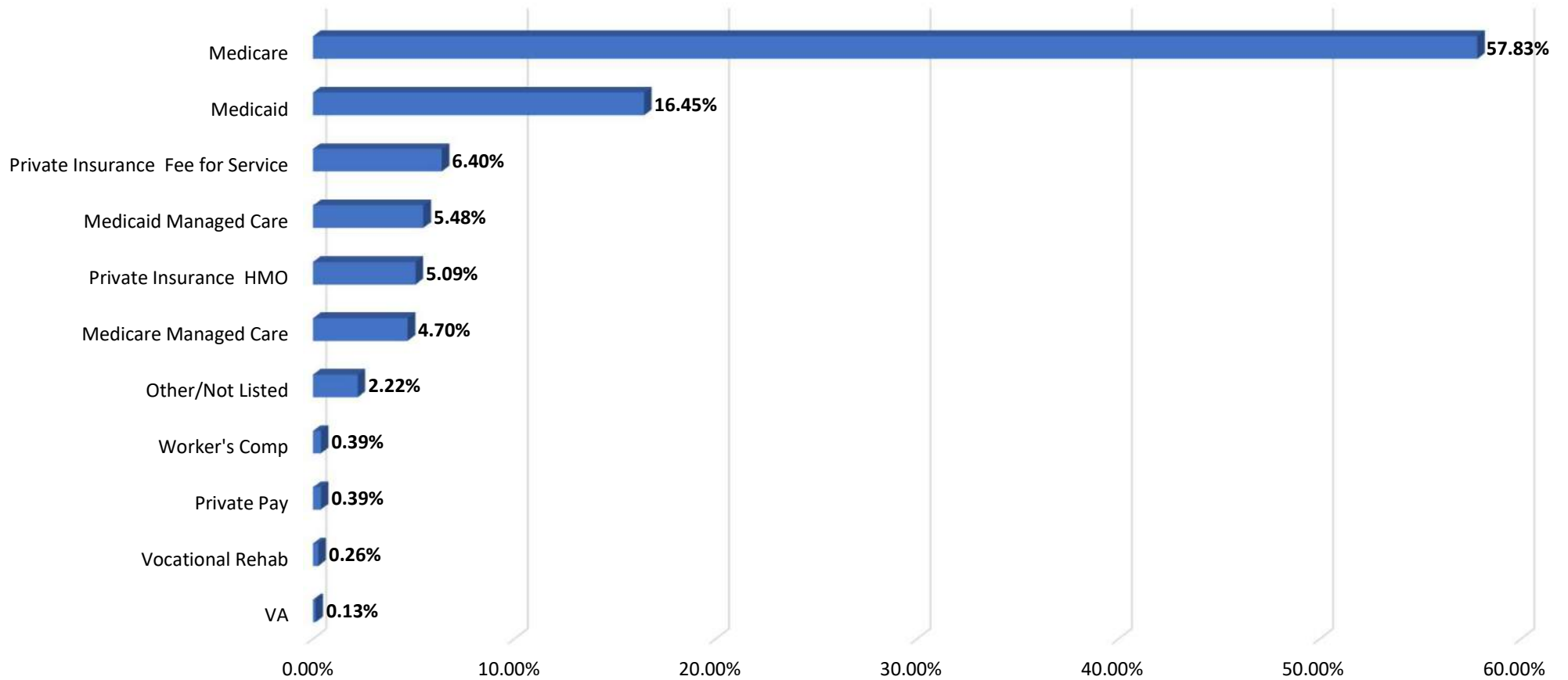
## Top 10 Primary Diagnosis for U.S. Rehab at Baseline (n=765)



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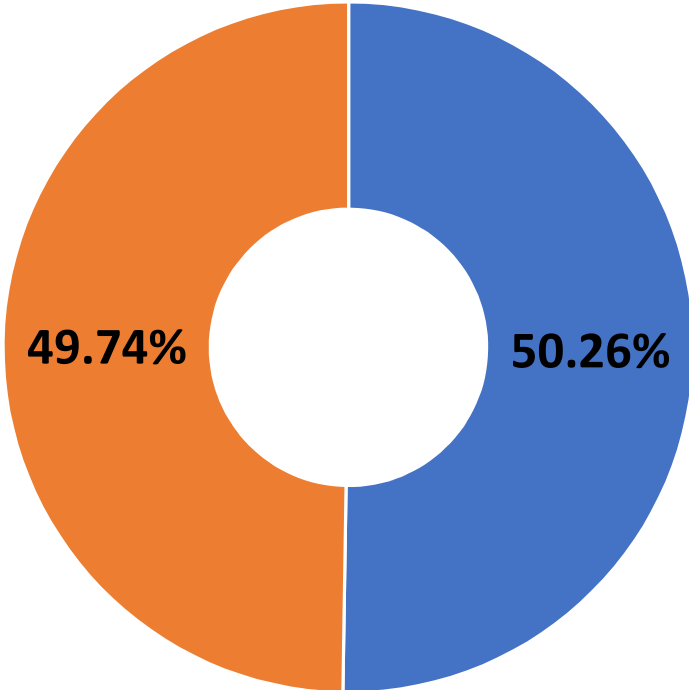


### Funding Source for U.S. Rehab at Baseline (n=766)



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**Gender for U.S. Rehab at Baseline (n=766)**

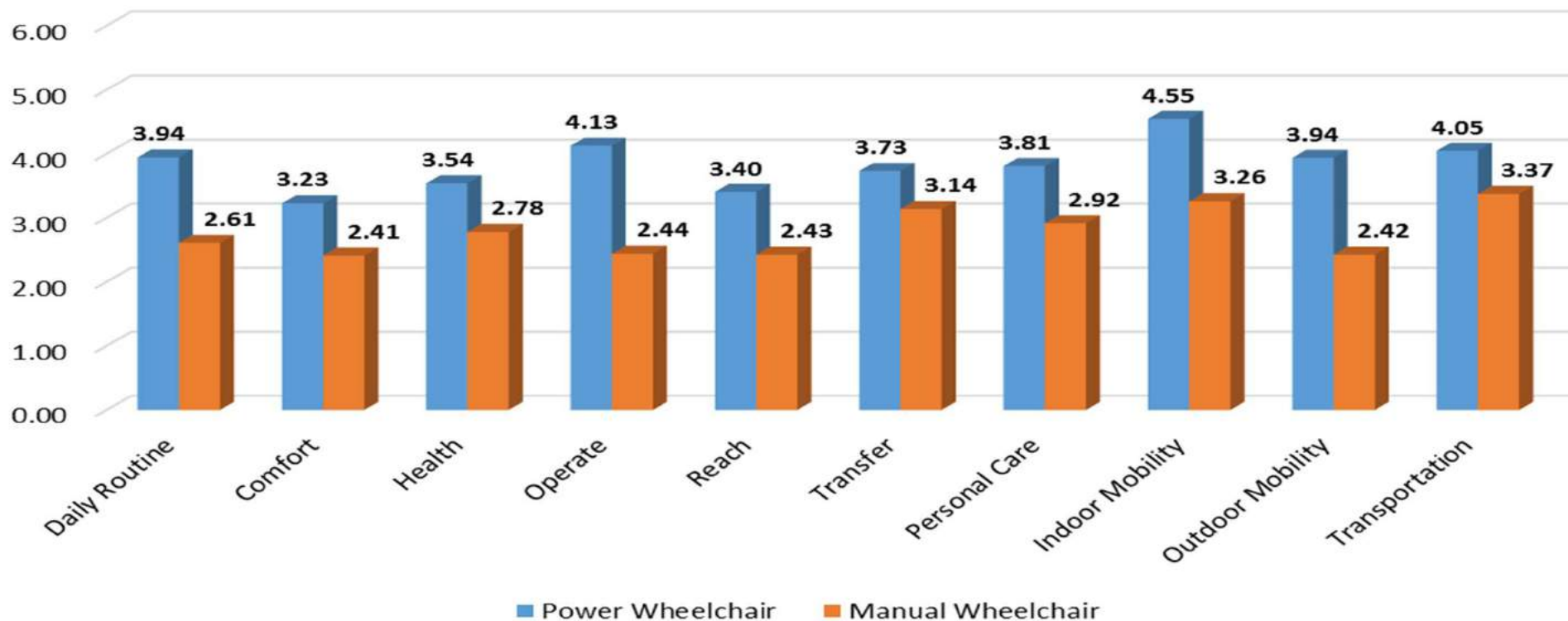


■ Male ■ Female



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### FMA Scores at Baseline for PWC Users (n=334) Compared with MWC Users (n=271)



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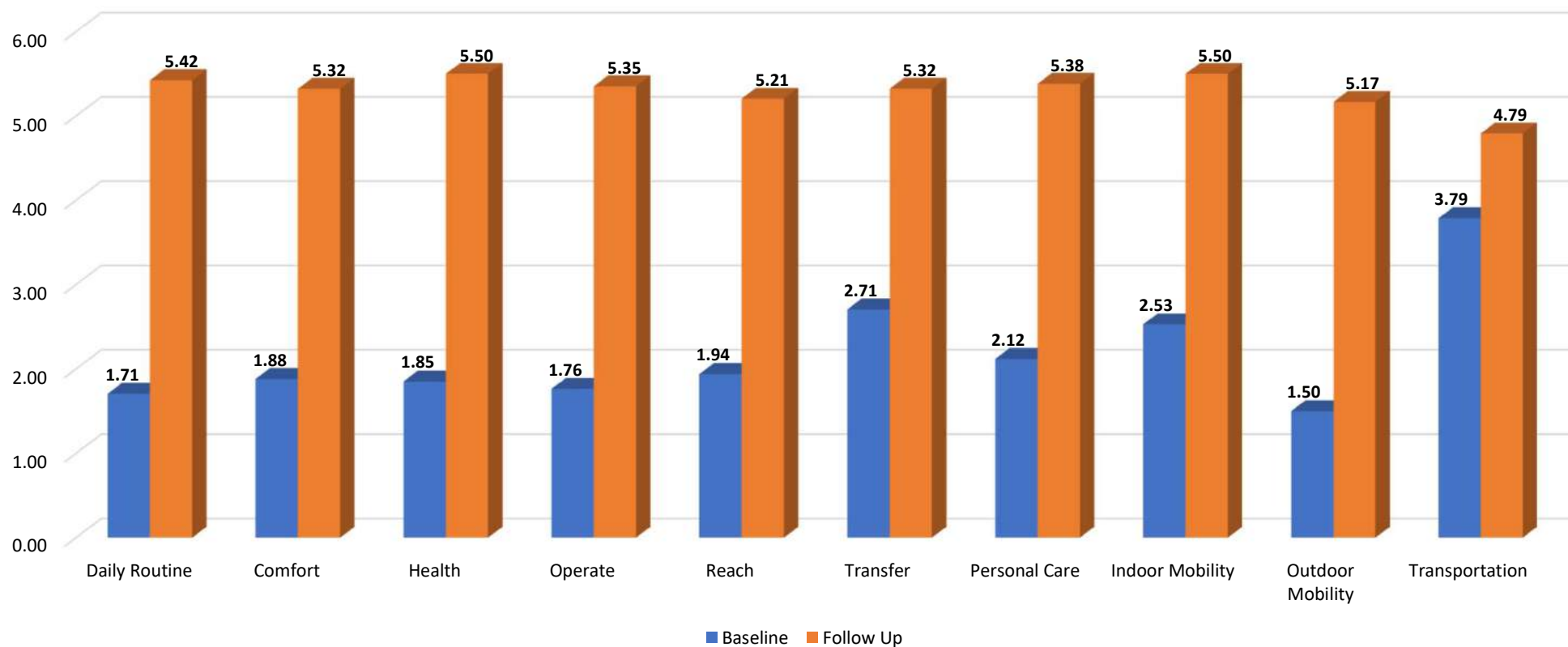
	<b>Power Wheelchair Users</b>	<b>Manual Wheelchair Users</b>	<b>National Average</b>
<b>Mean Height</b>	65.57 in.	65.19 in.	66.55 in.
<b>Mean Weight</b>	193.84 lbs.	169.50 lbs.	180.85 lbs.
<b>Mean BMI</b>	32.74 kg/m <sup>2</sup>	28.59 kg/m <sup>2</sup>	28.71 kg/m <sup>2</sup>



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## FMA Scores at Baseline Compared with Follow Up when the User Switches from a MWC to a PWC (n=34)



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	<b>Manual Wheelchair Users</b>	<b>Power Wheelchair Users</b>	<b>National Average</b>
<b>Mean Height</b>	65.38 in.	65.09 in.	66.55 in.
<b>Mean Weight</b>	177.06 lbs.	177.65 lbs.	180.85 lbs.
<b>Mean BMI</b>	29.77 kg/m <sup>2</sup>	30.22 kg/m <sup>2</sup>	28.71 kg/m <sup>2</sup>

\*MWC at Baseline Matched with PWC at Follow Up



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# U.S. Rehab Equipment Data

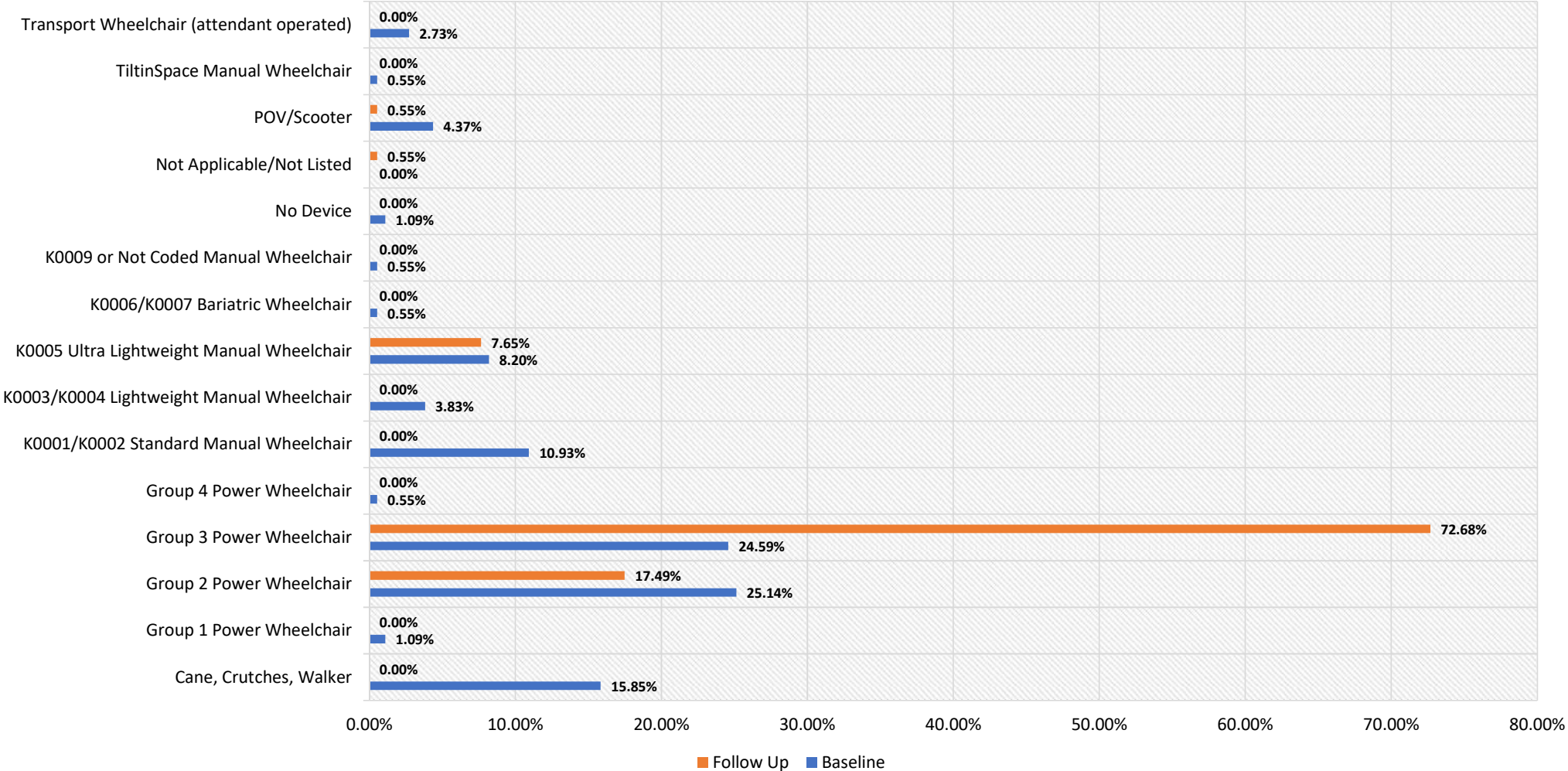


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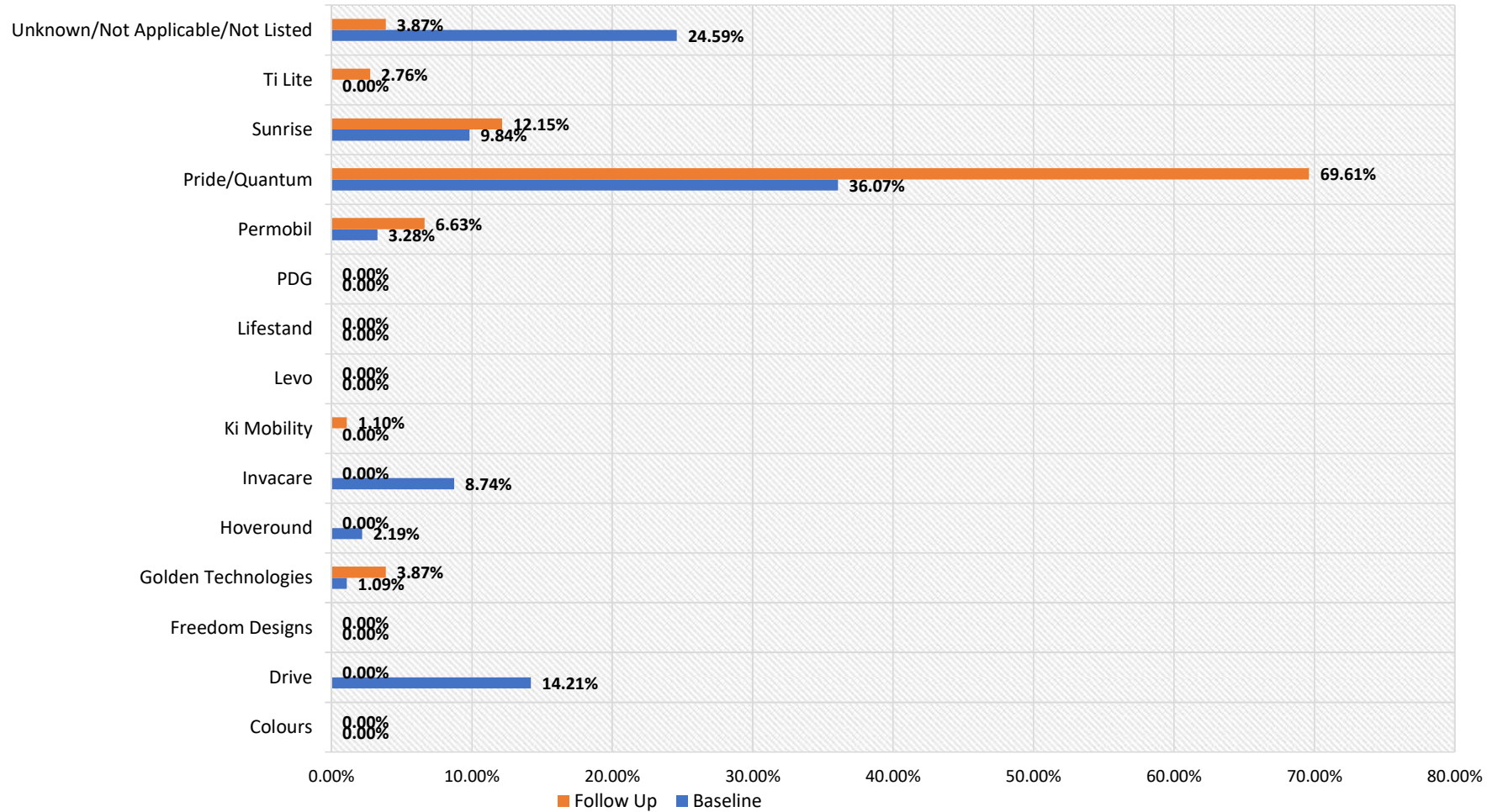


# Equipment for U.S. Rehab at Baseline and Follow-Up (n=183)



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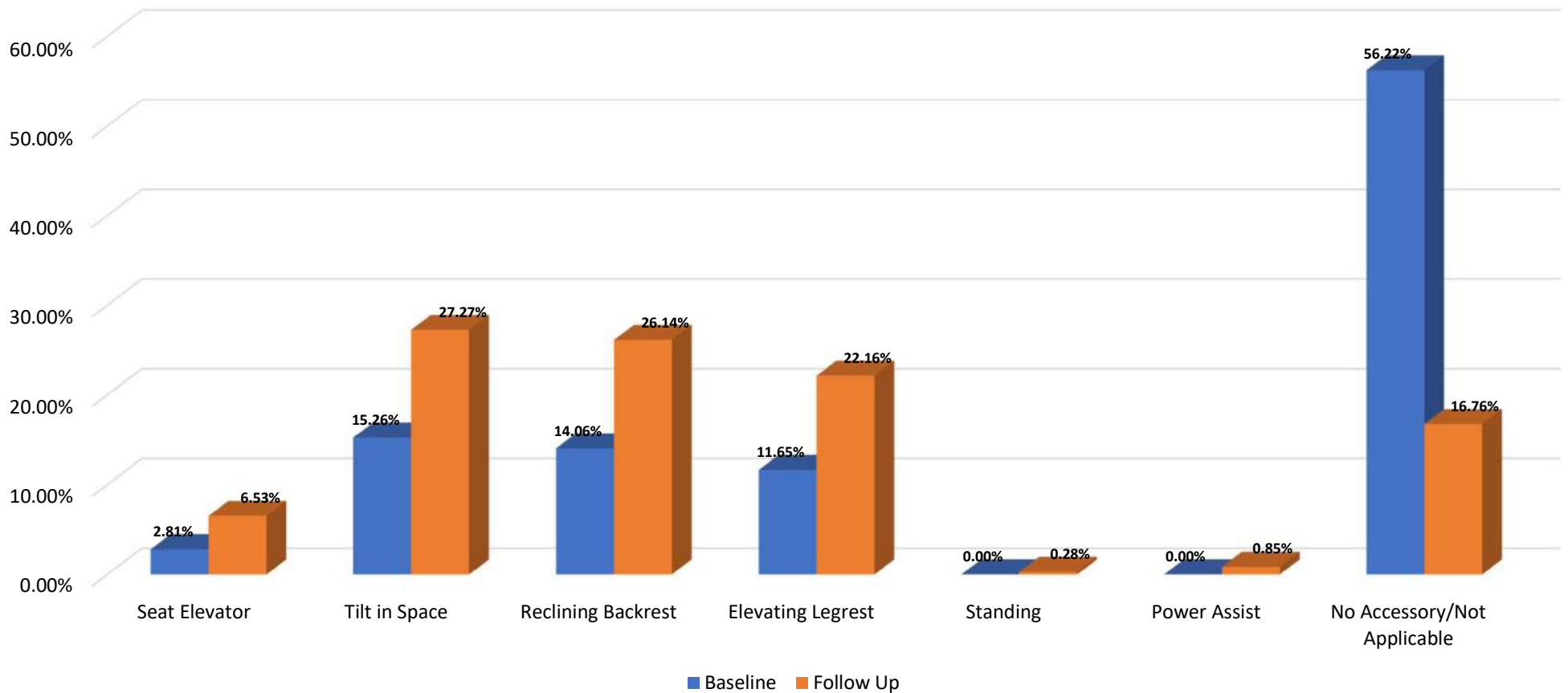
## Device Manufacturer for U.S. Rehab at Baseline Compared with Follow Up (n=181)



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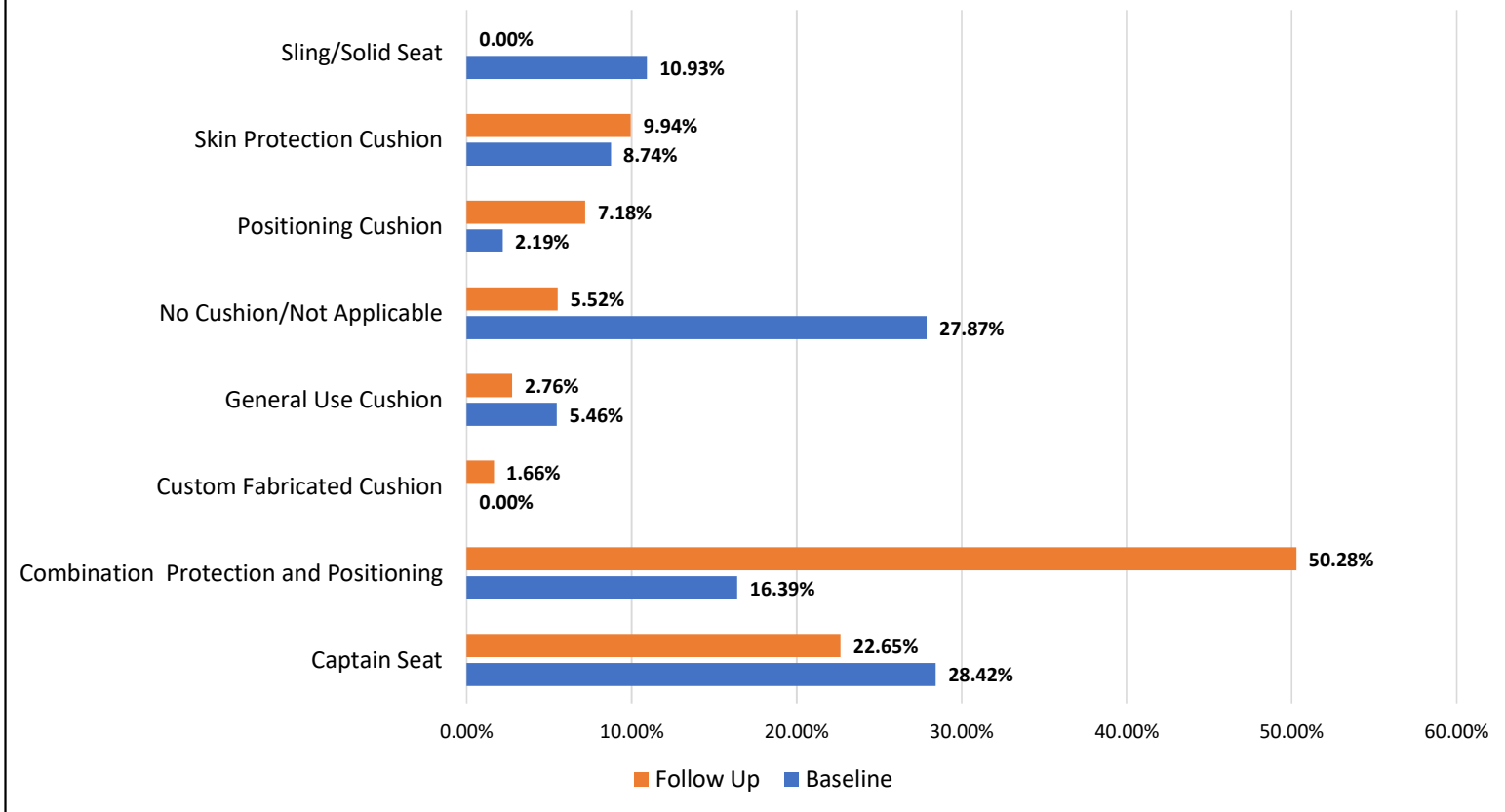
## Accessories for U.S. Rehab at Baseline and Follow Up (n=183)



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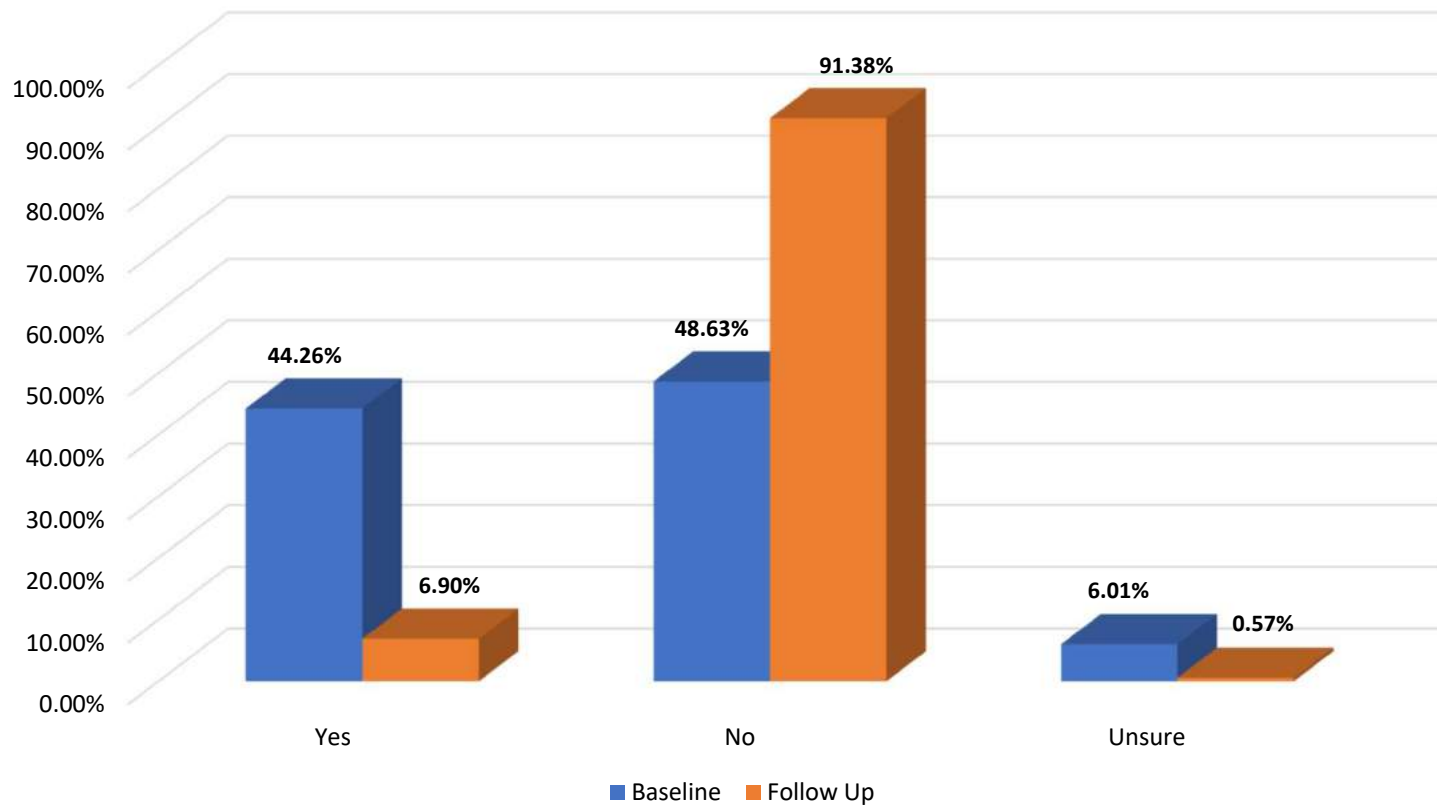
### Current Device Cushion for U.S. Rehab at Baseline and Follow Up (n=181)



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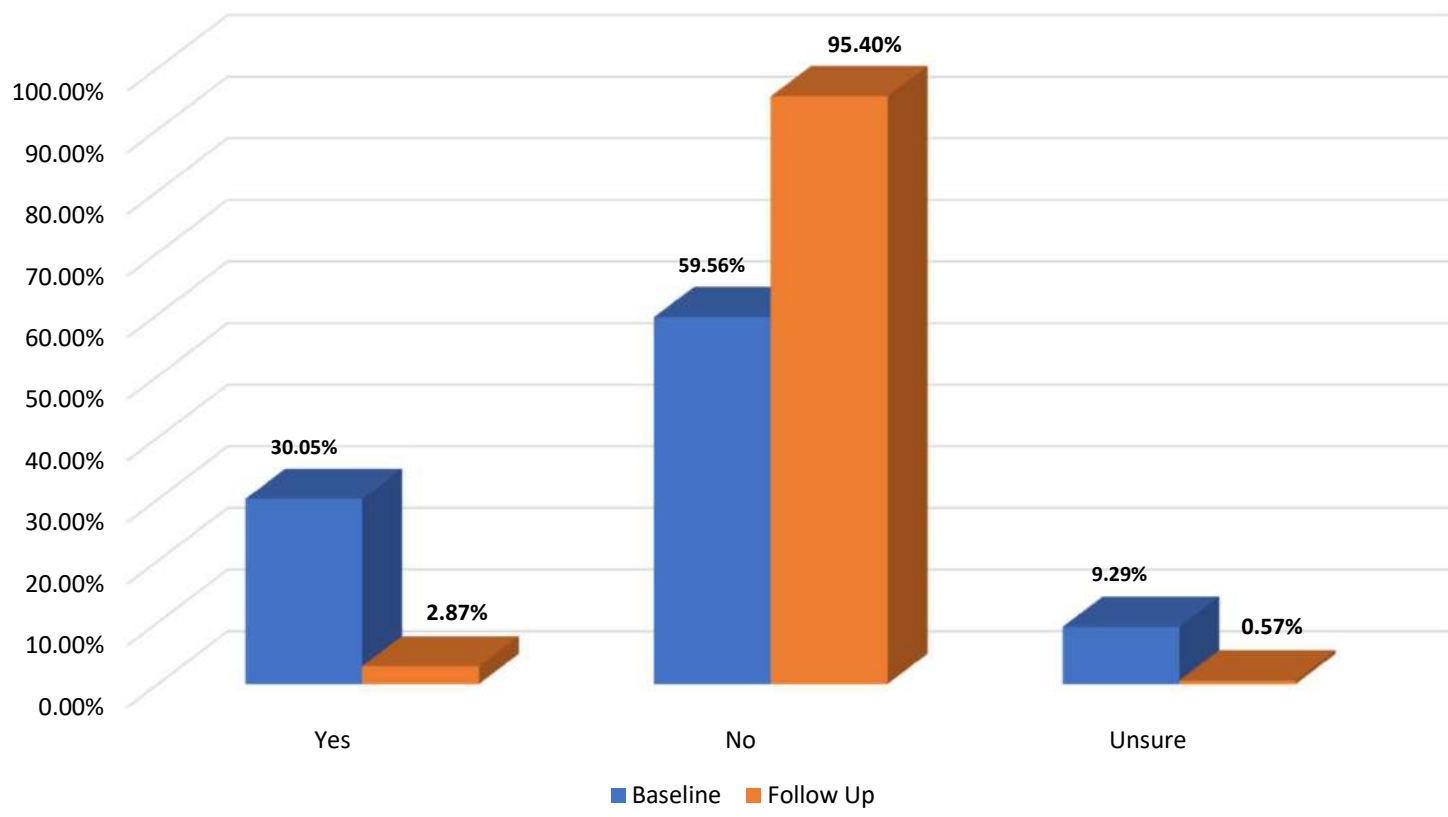
### Device Repaired for U.S. Rehab at Baseline Compared with Follow Up (n=172)



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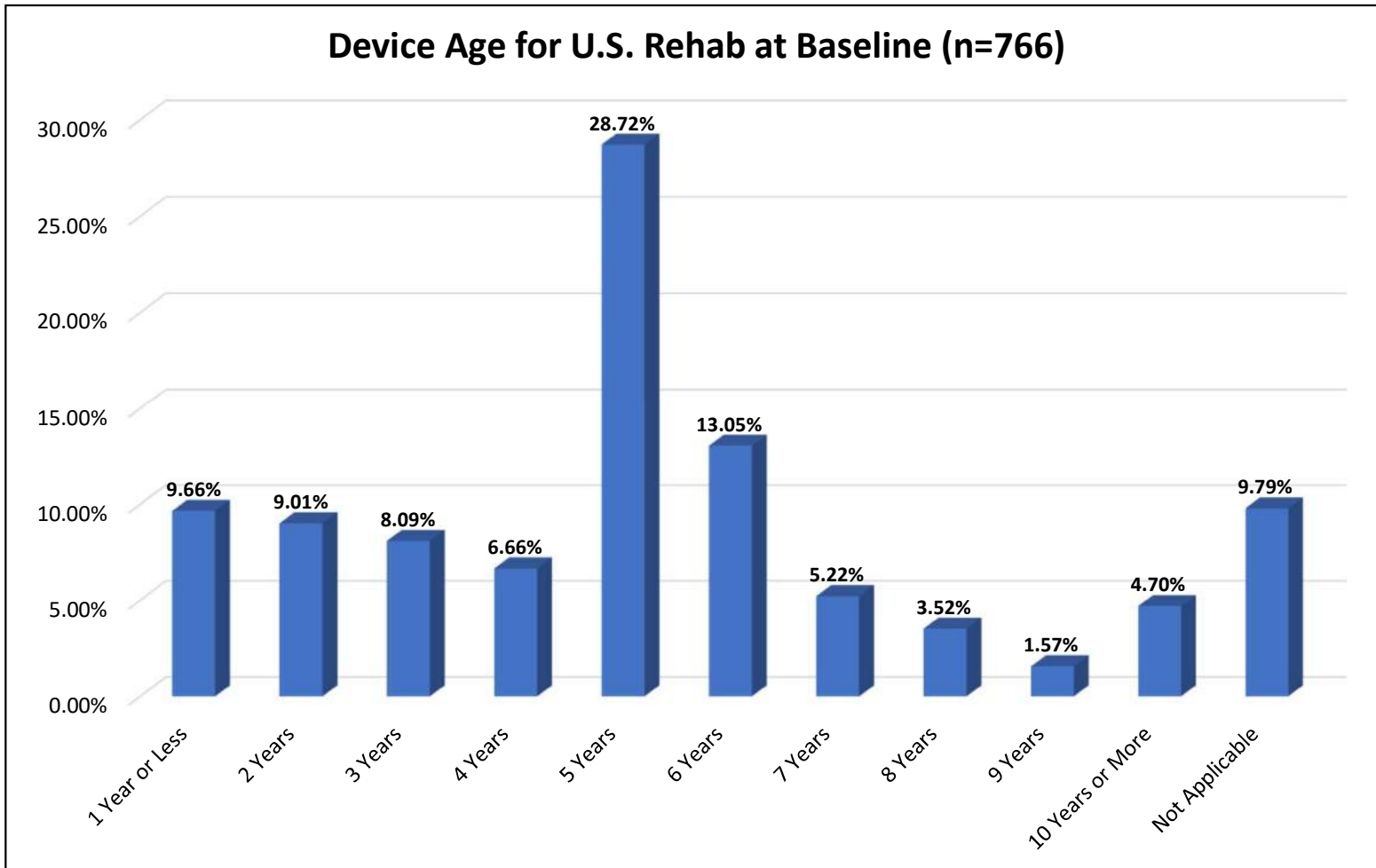
### Device Maintenance for U.S. Rehab at Baseline Compared with Follow Up (n=172)



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### Device Age for U.S. Rehab at Baseline (n=766)



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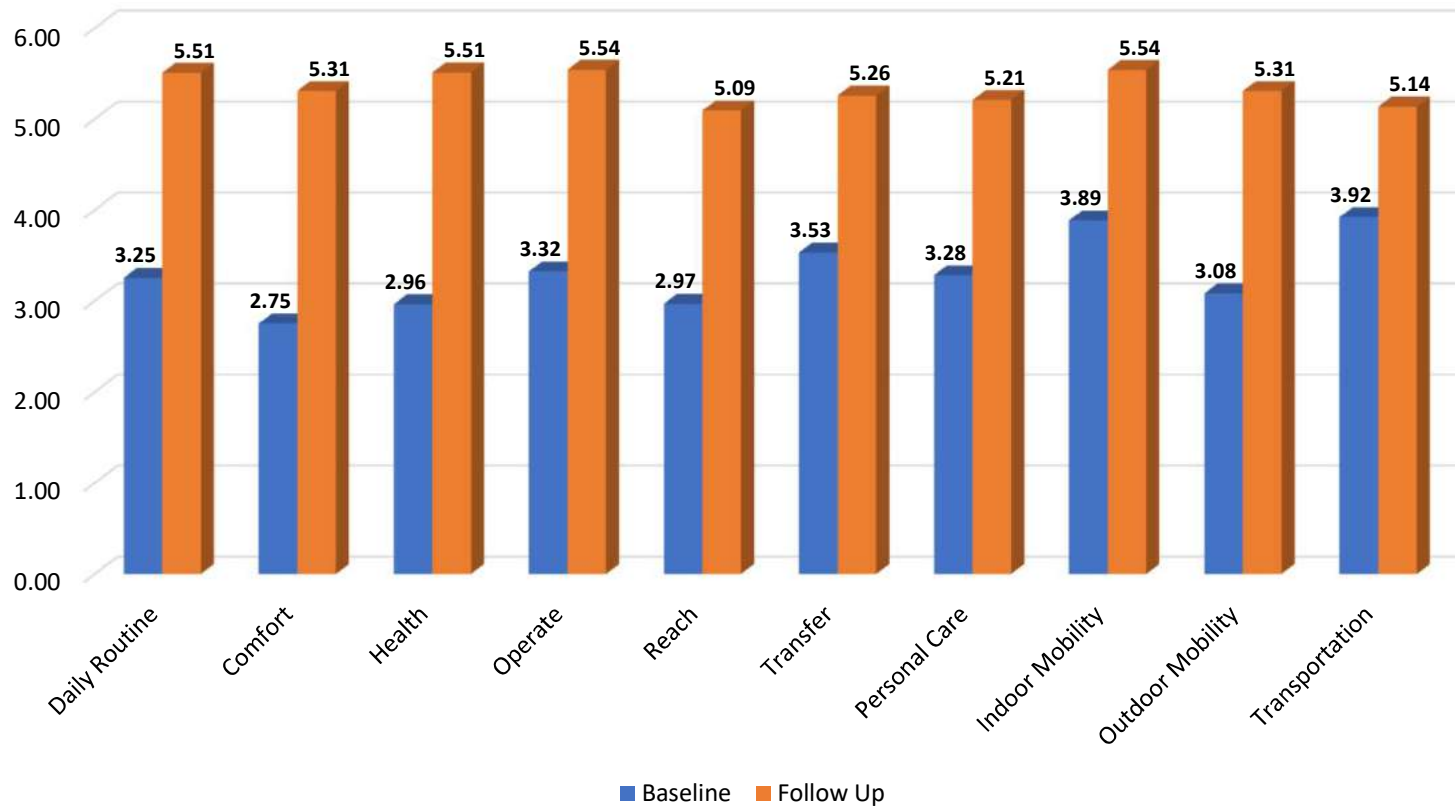


# Functional Mobility Assessment (FMA) Data



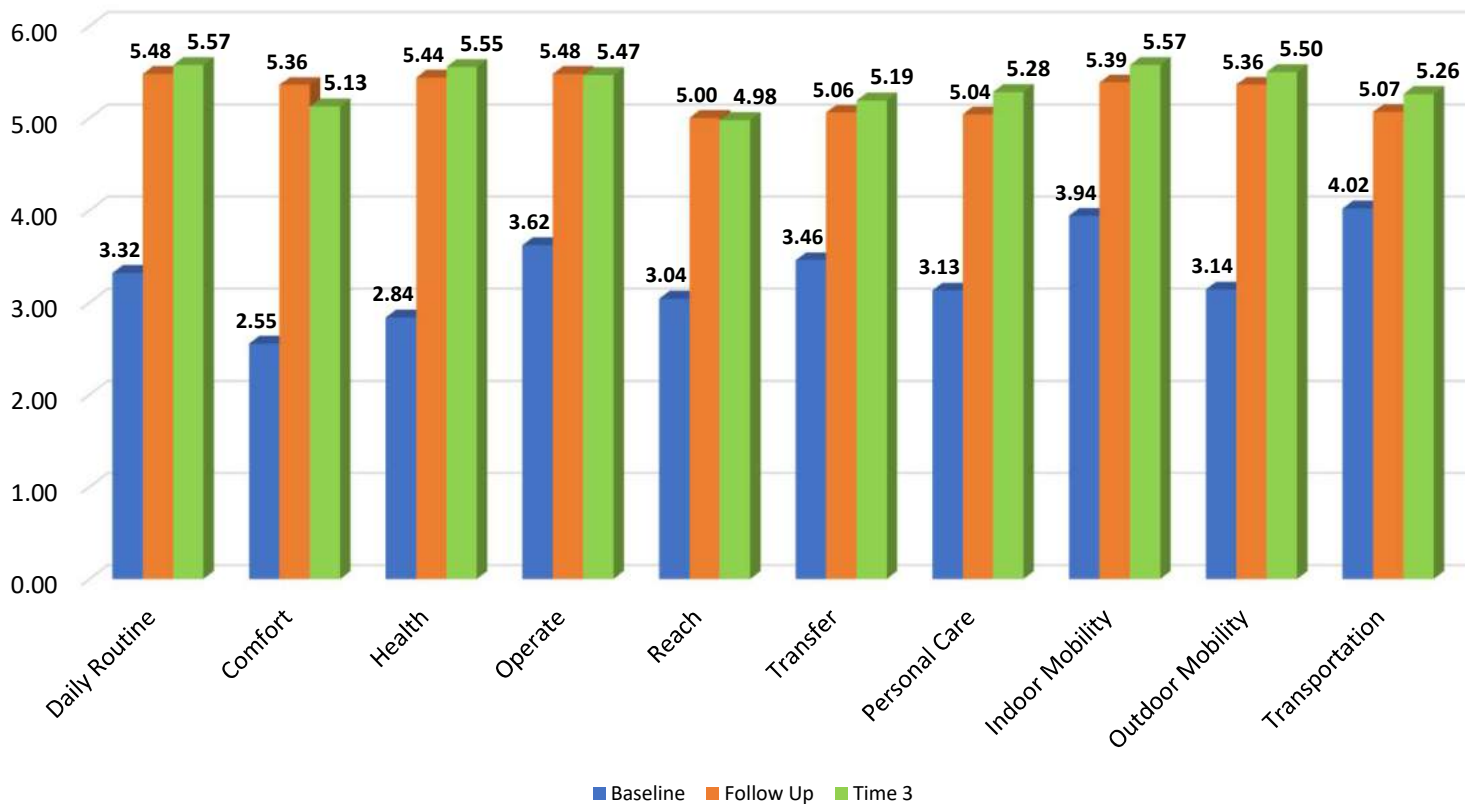


### FMA Scores for U.S. Rehab at Baseline Compared with Follow Up (n=183)



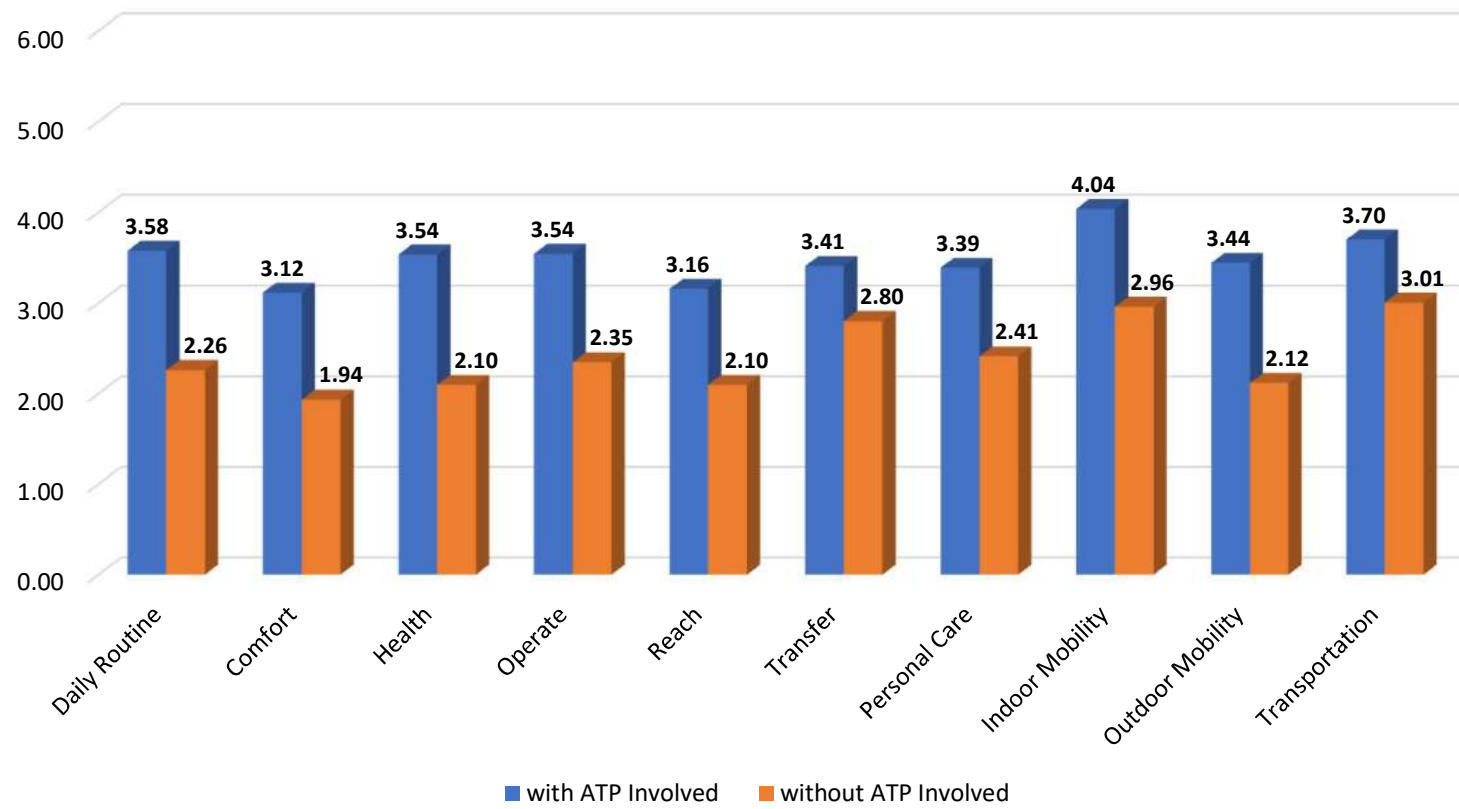
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## FMA Scores for U.S. Rehab at Baseline Compared with Follow Up and Time 3 (n=50)



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### FMA Scores for U.S. Rehab at Baseline with ATP Involvement (n=335) Compared with No ATP Involvement (n=277)

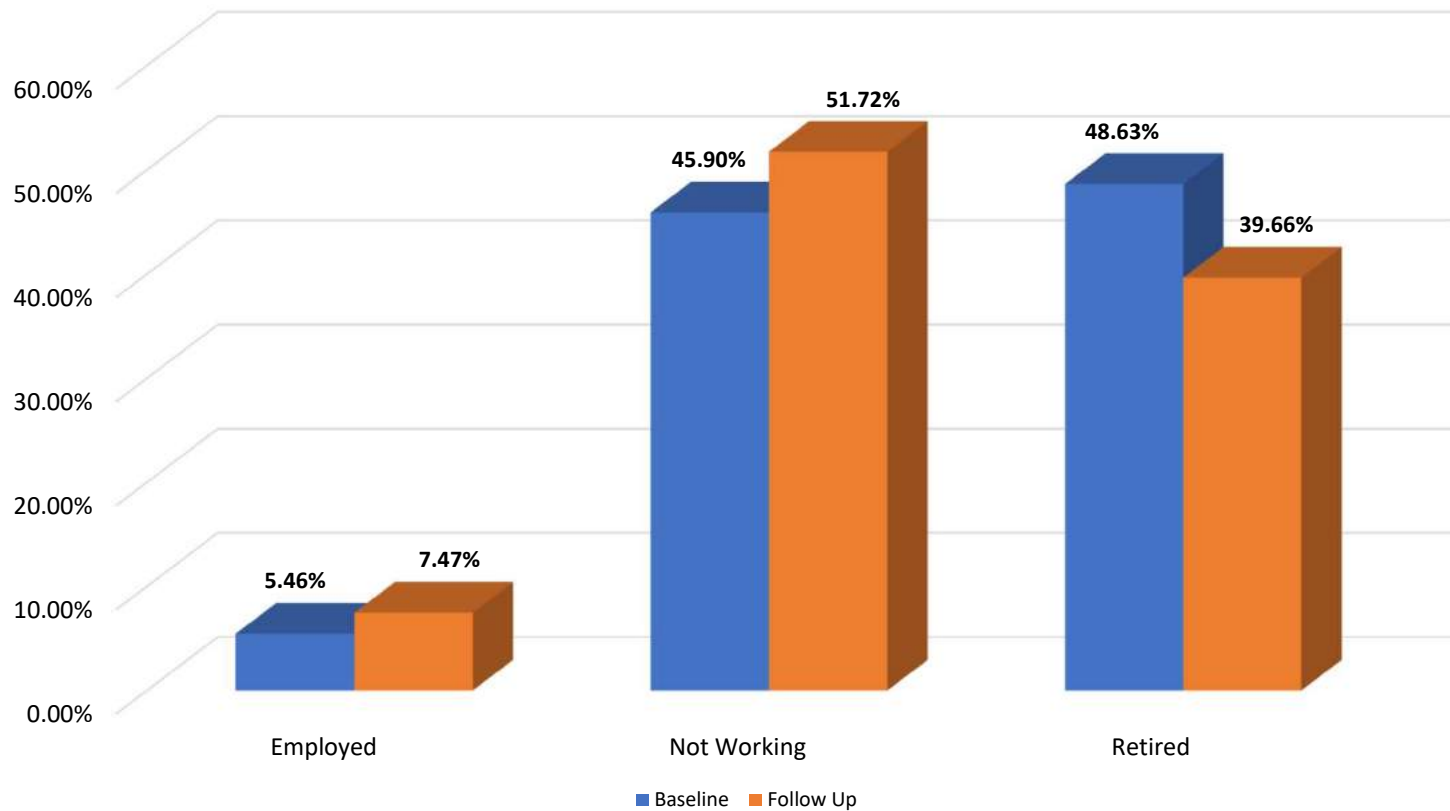


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# U.S. Rehab Social Participation Data

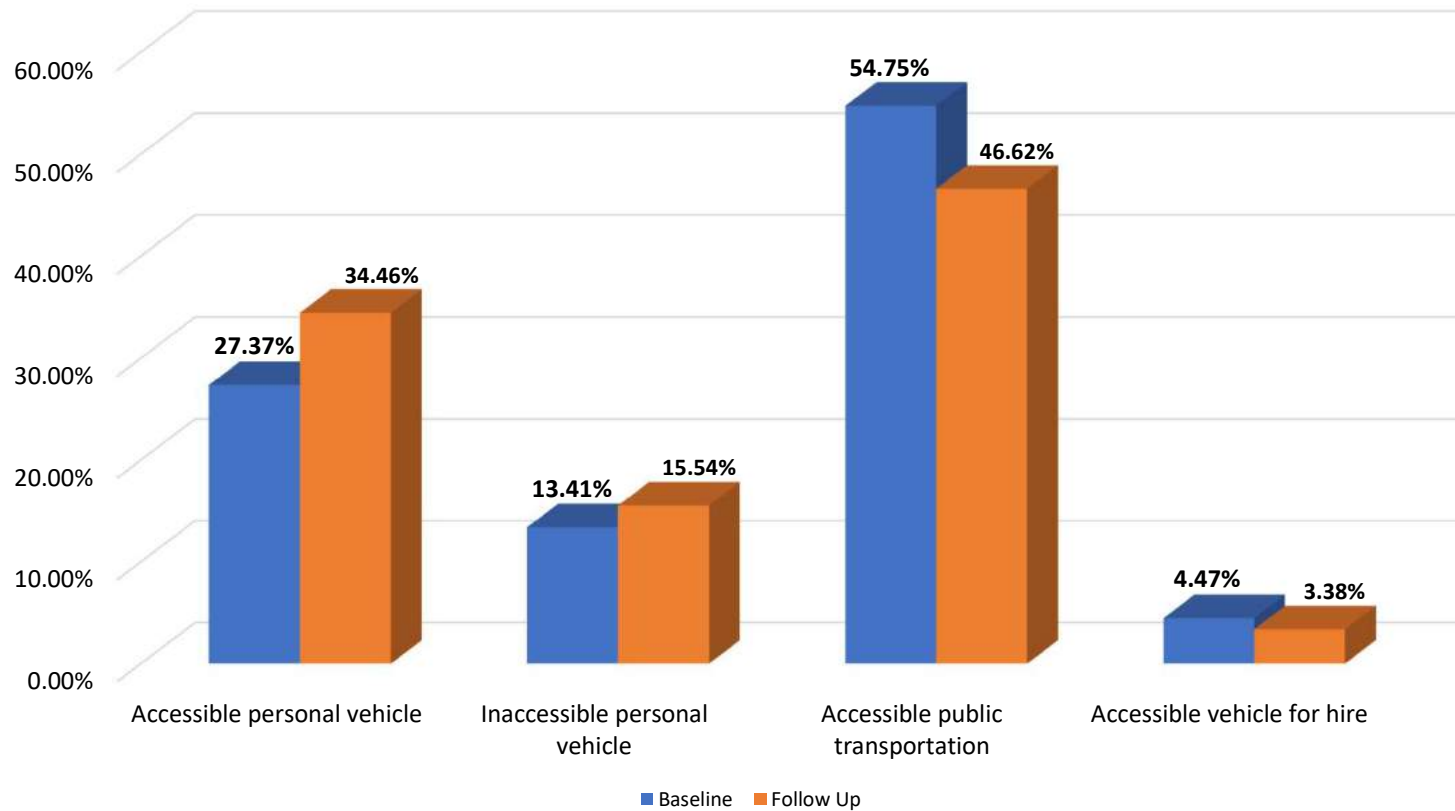


### Employment for U.S. Rehab at Baseline Compared with Follow Up (n=172)



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### Transportation for U.S. Rehab at Baseline Compared with Follow Up (n=148)

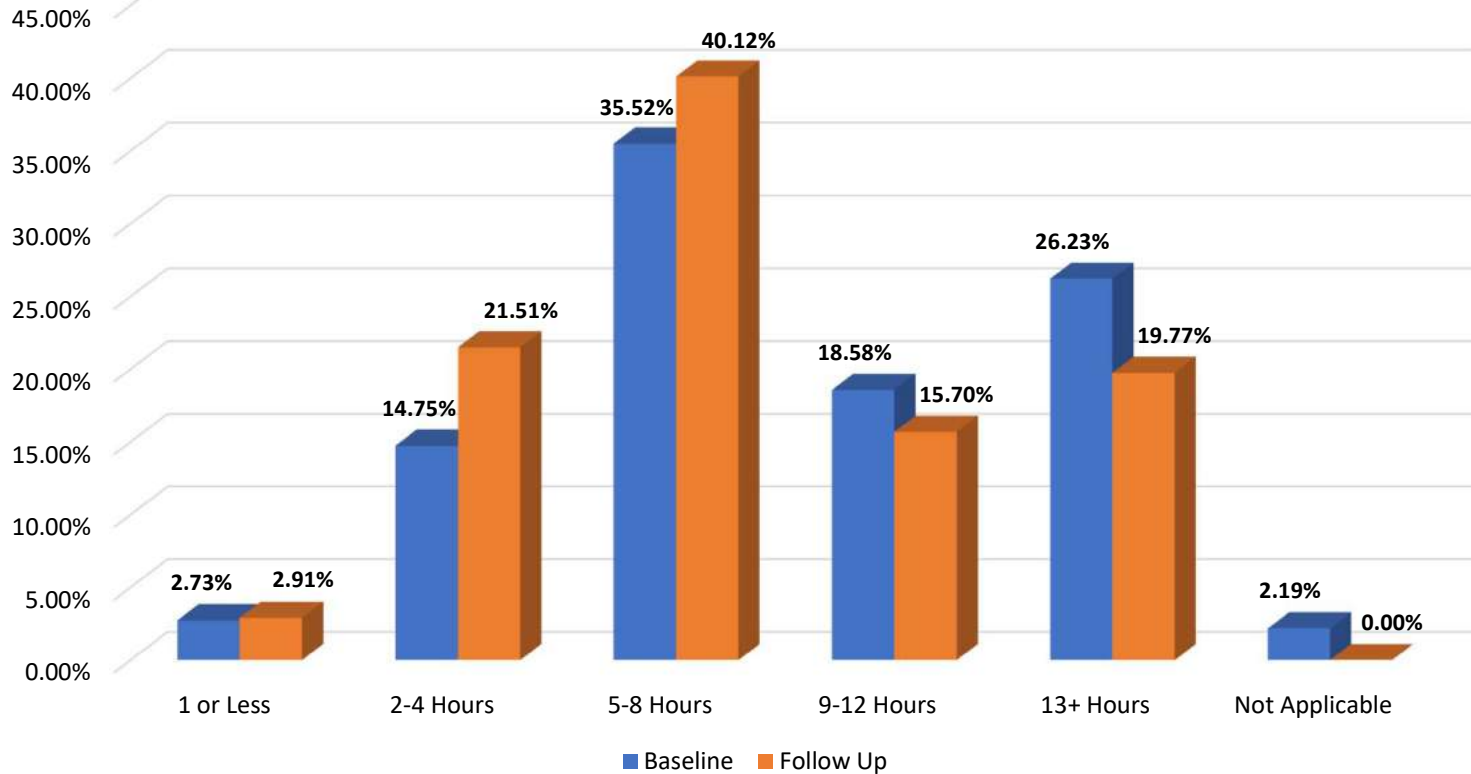


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# U.S. Rehab Device Use Data



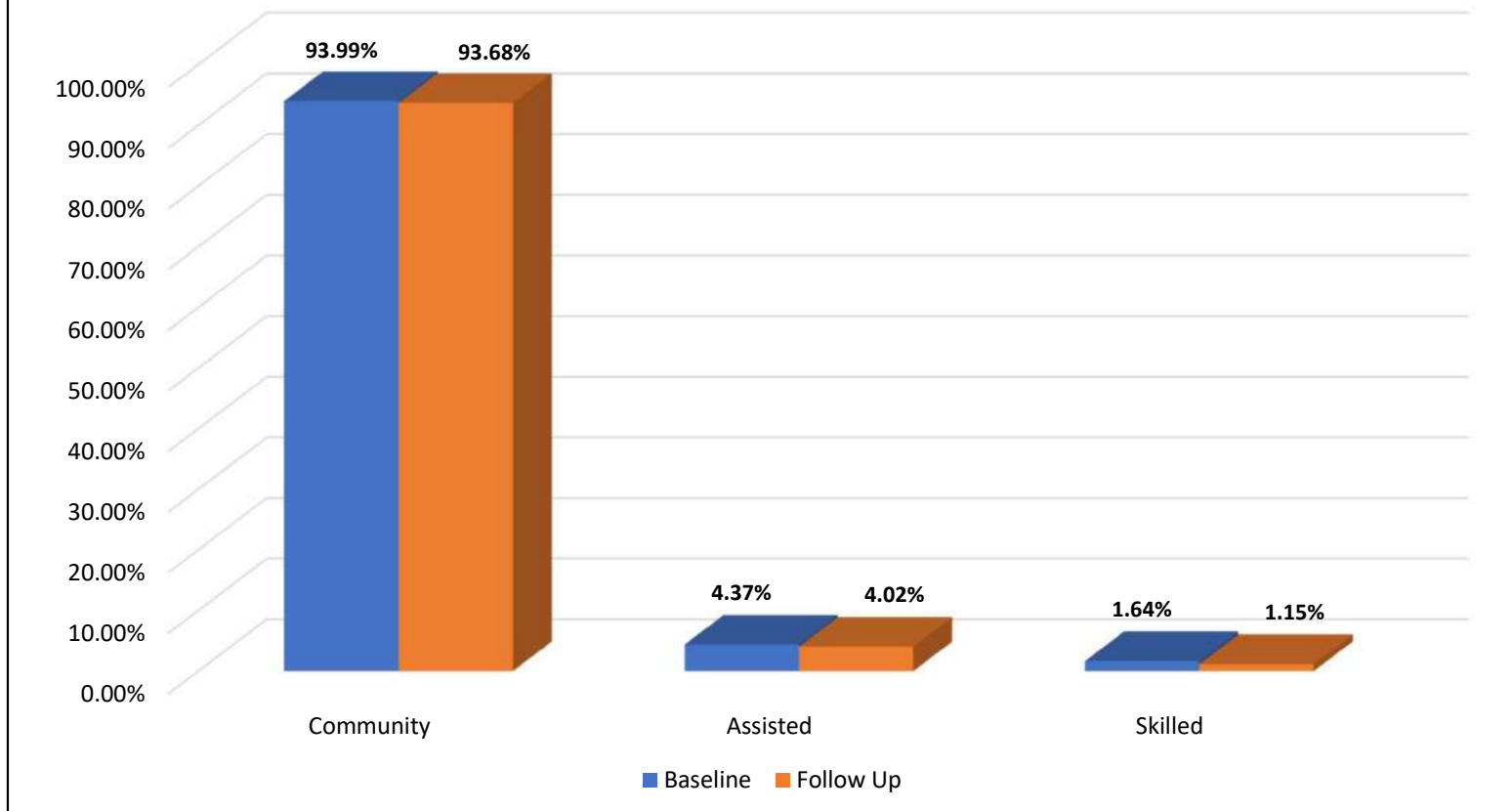
### Daily Device Use for U.S. Rehab at Baseline and Follow Up (n=172)



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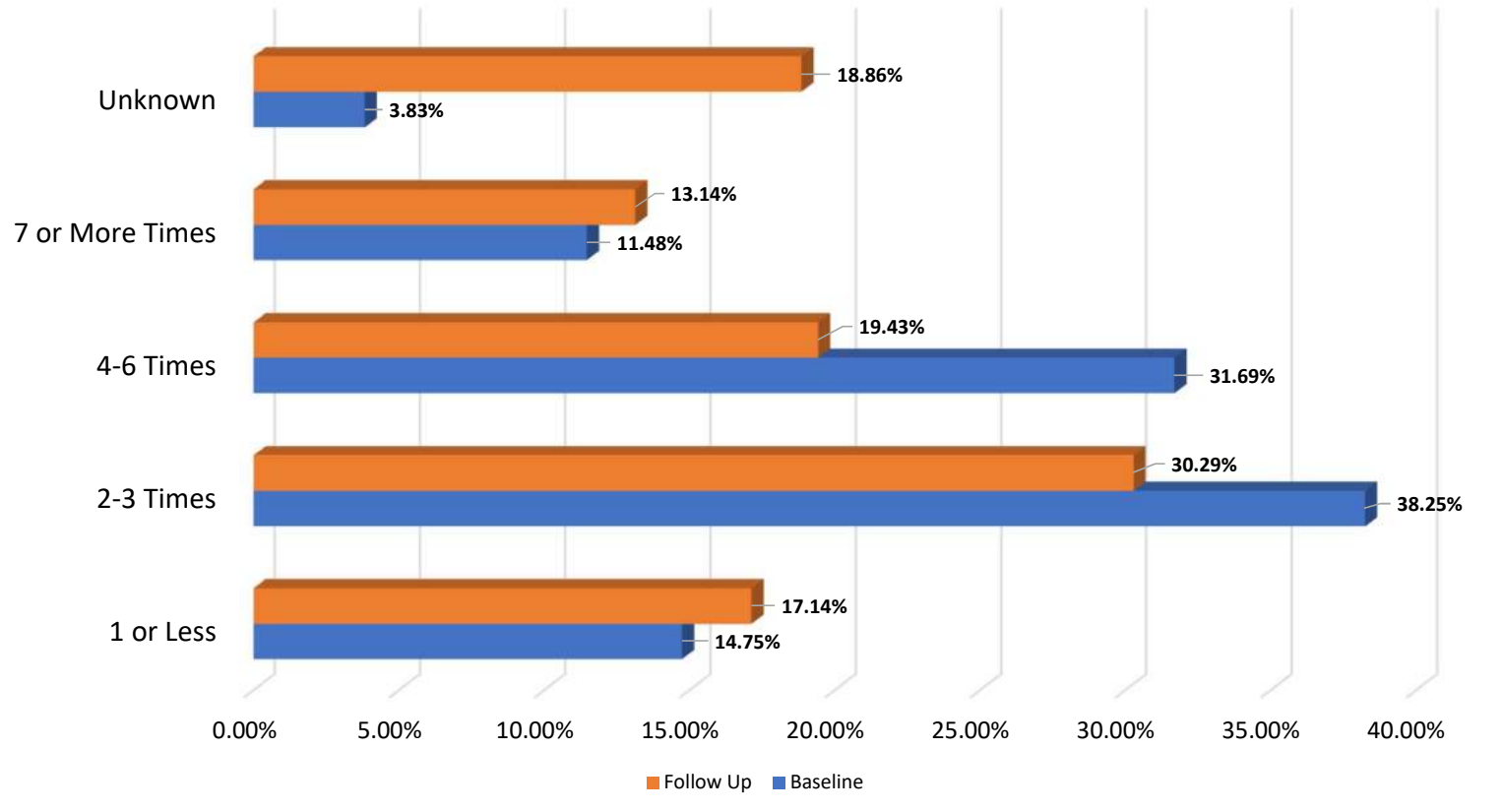


### Living Situation for U.S. Rehab at Baseline and Follow Up (n=172)



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### Leaving the Home for U.S. Rehab at Baseline and Follow Up (n=173)

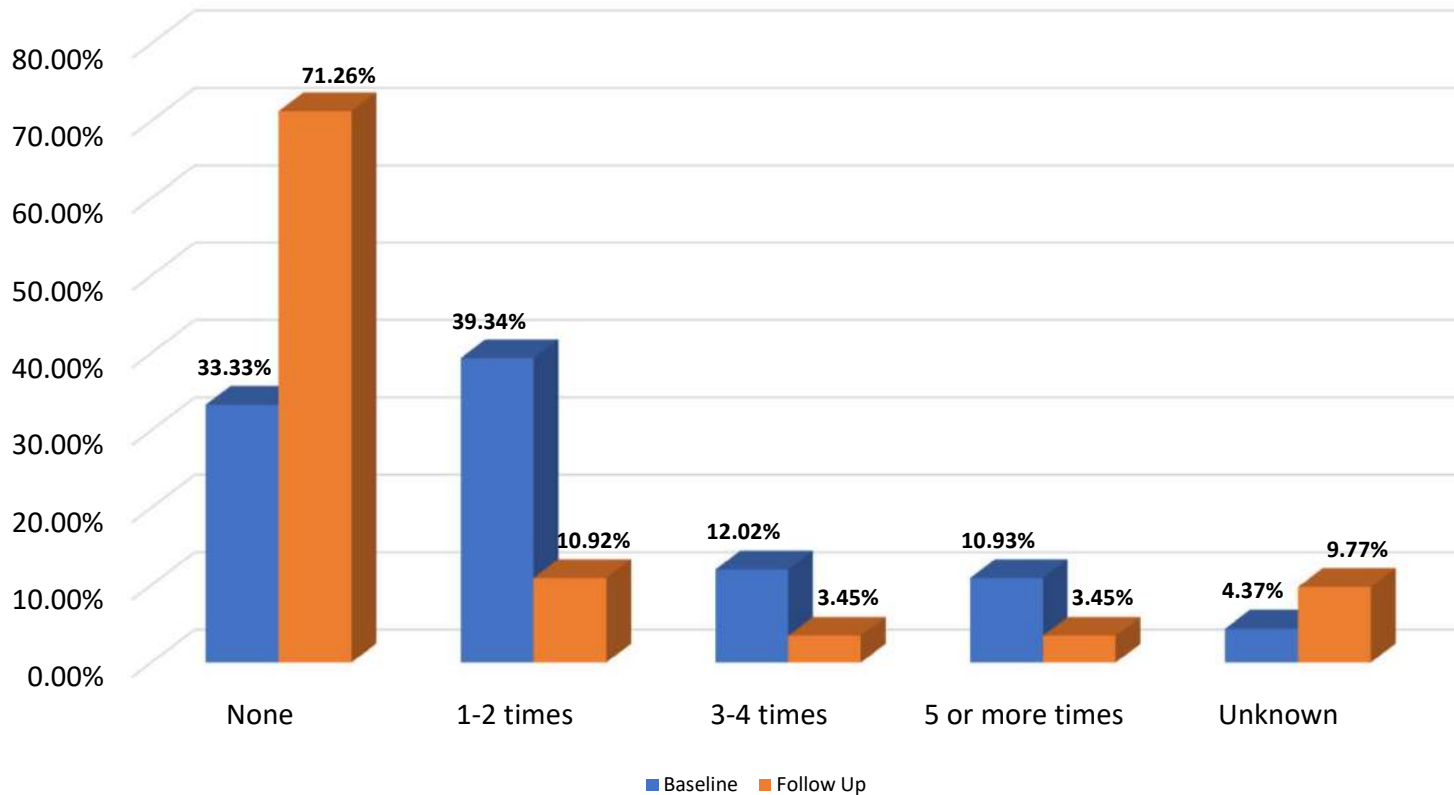


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# U.S. Rehab Health Status Data

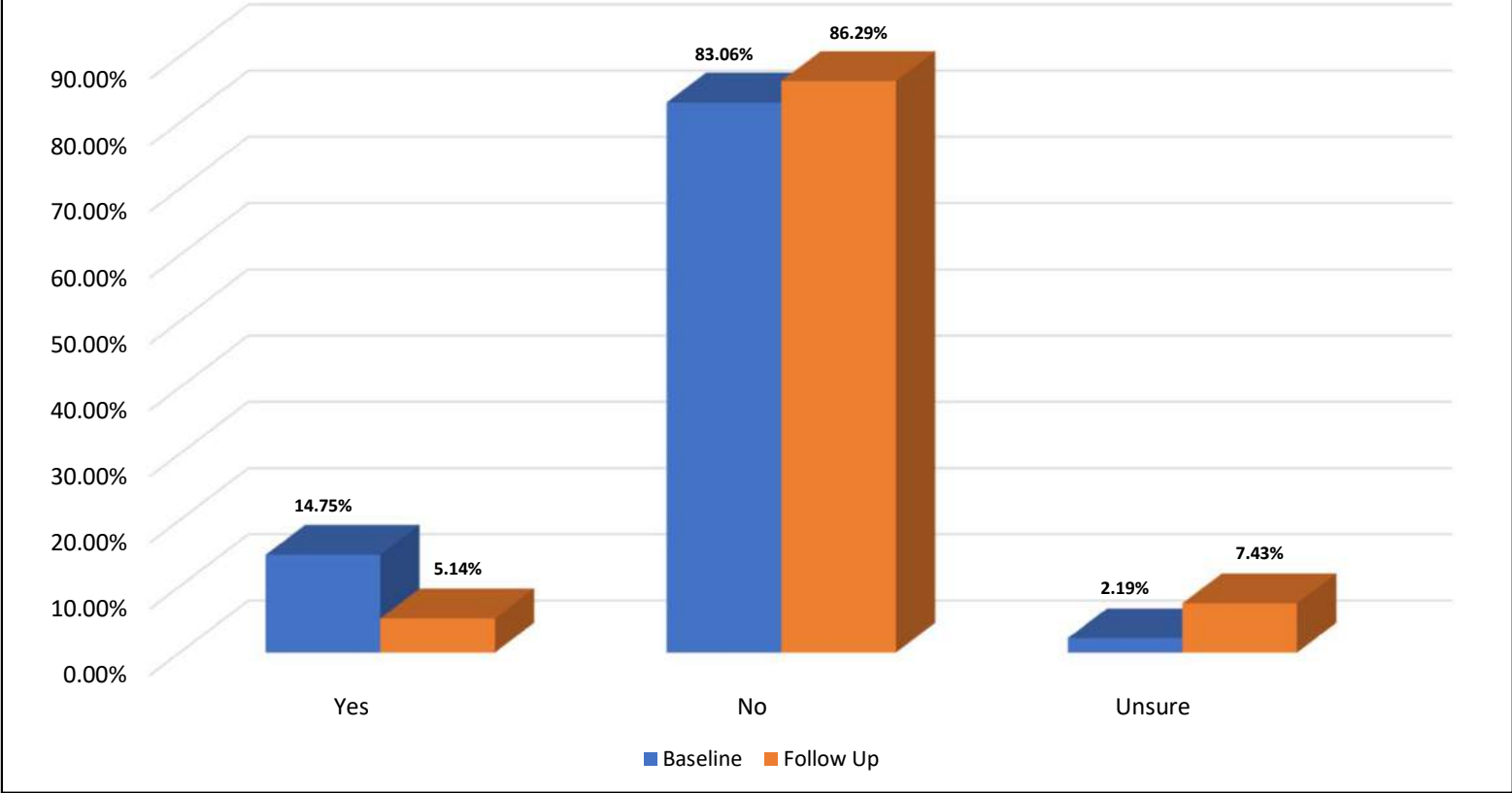


### Fall Frequency/Week for U.S. Rehab at Baseline Compared with Follow Up (n=172)



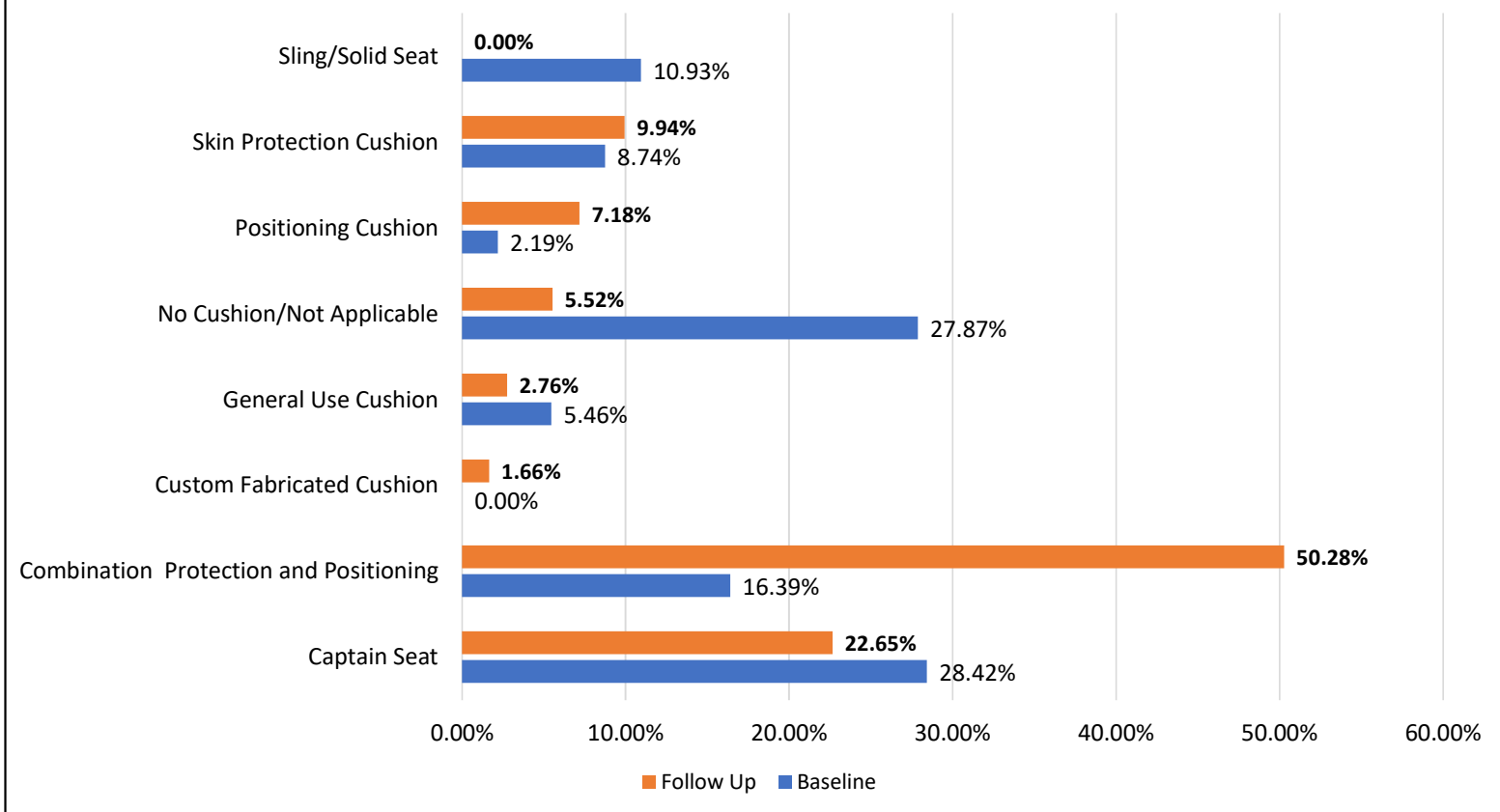
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### Current Skin Breakdown for U.S. Rehab at Baseline and Follow Up (n=173)



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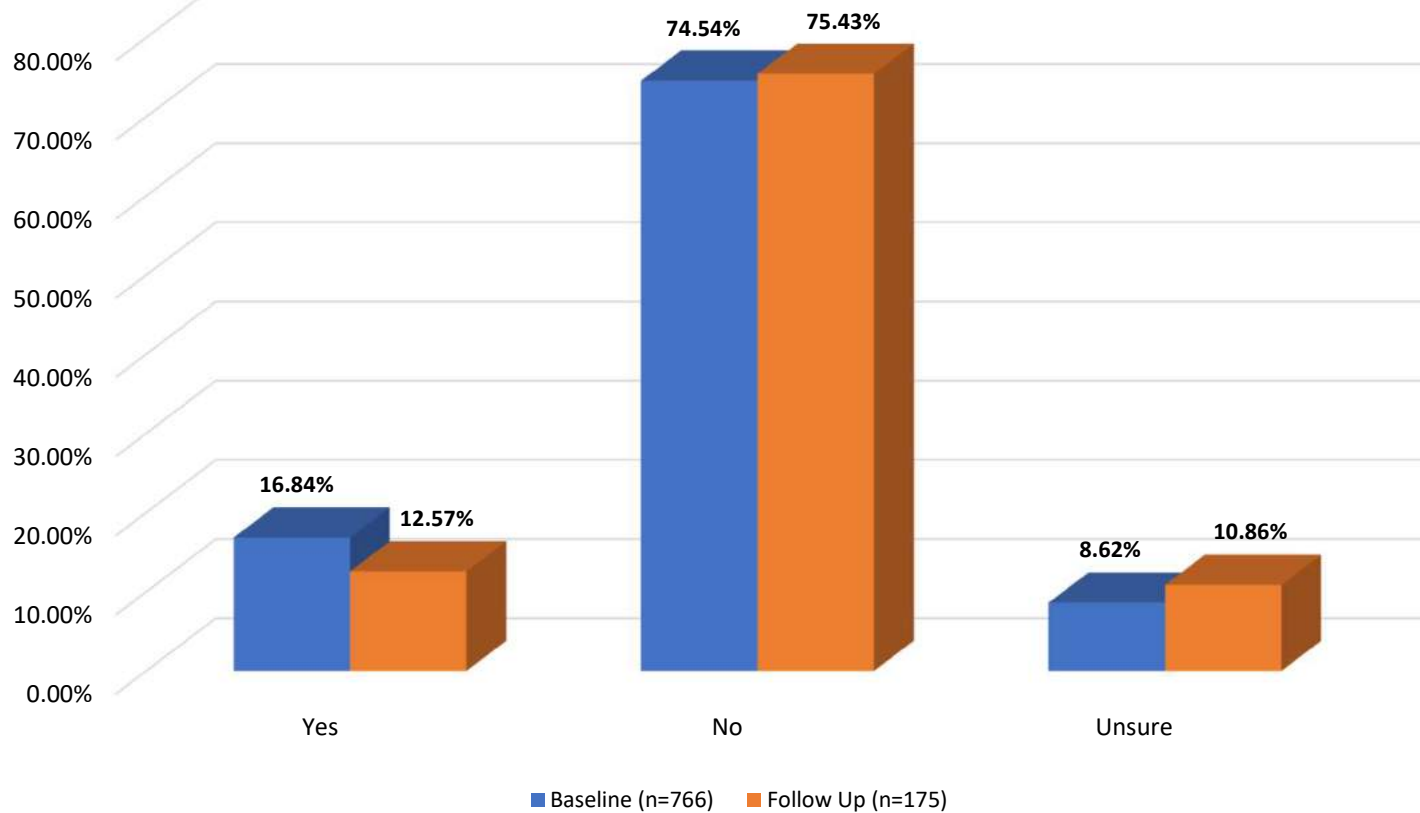
### Current Device Cushion for U.S. Rehab at Baseline and Follow Up (n=181)



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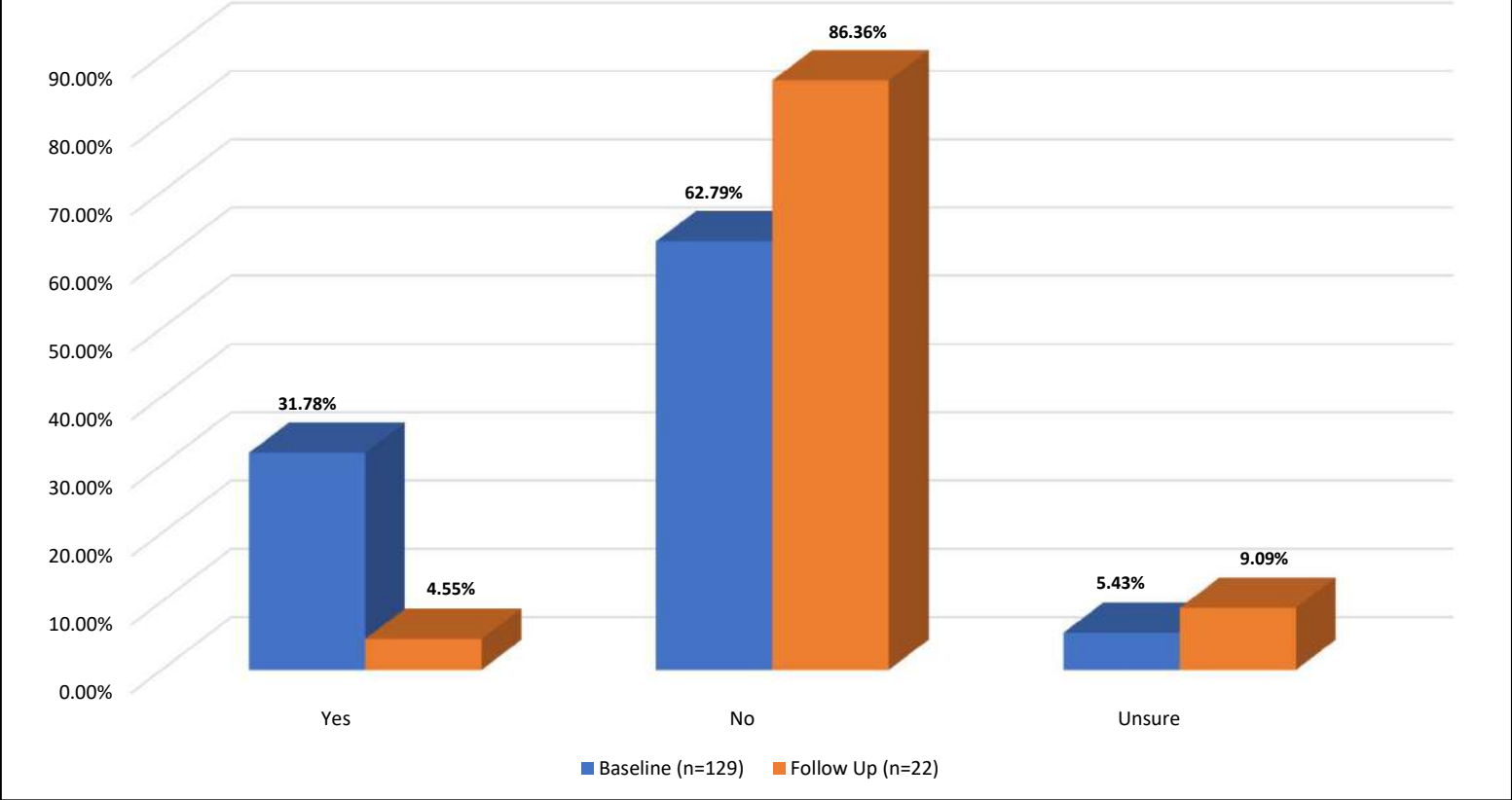


### Admitted to a Healthcare Facility for U.S. Rehab at Baseline Compared with Follow Up (n=175)



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### Admitted to a Healthcare Facility Due to Seating for U.S Rehab at Baseline and Follow Up (n=22)



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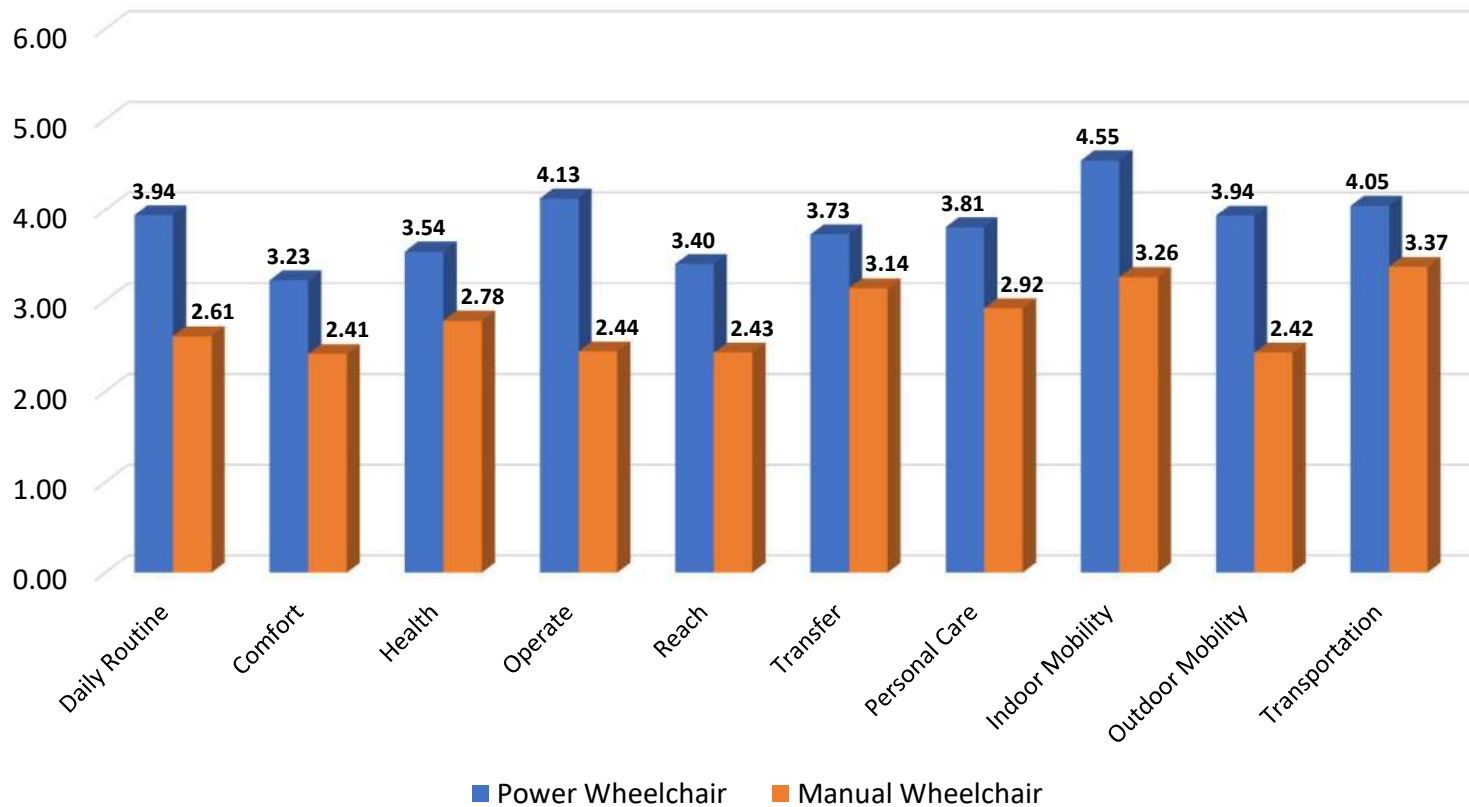




# U.S. Rehab Equipment Comparison Data

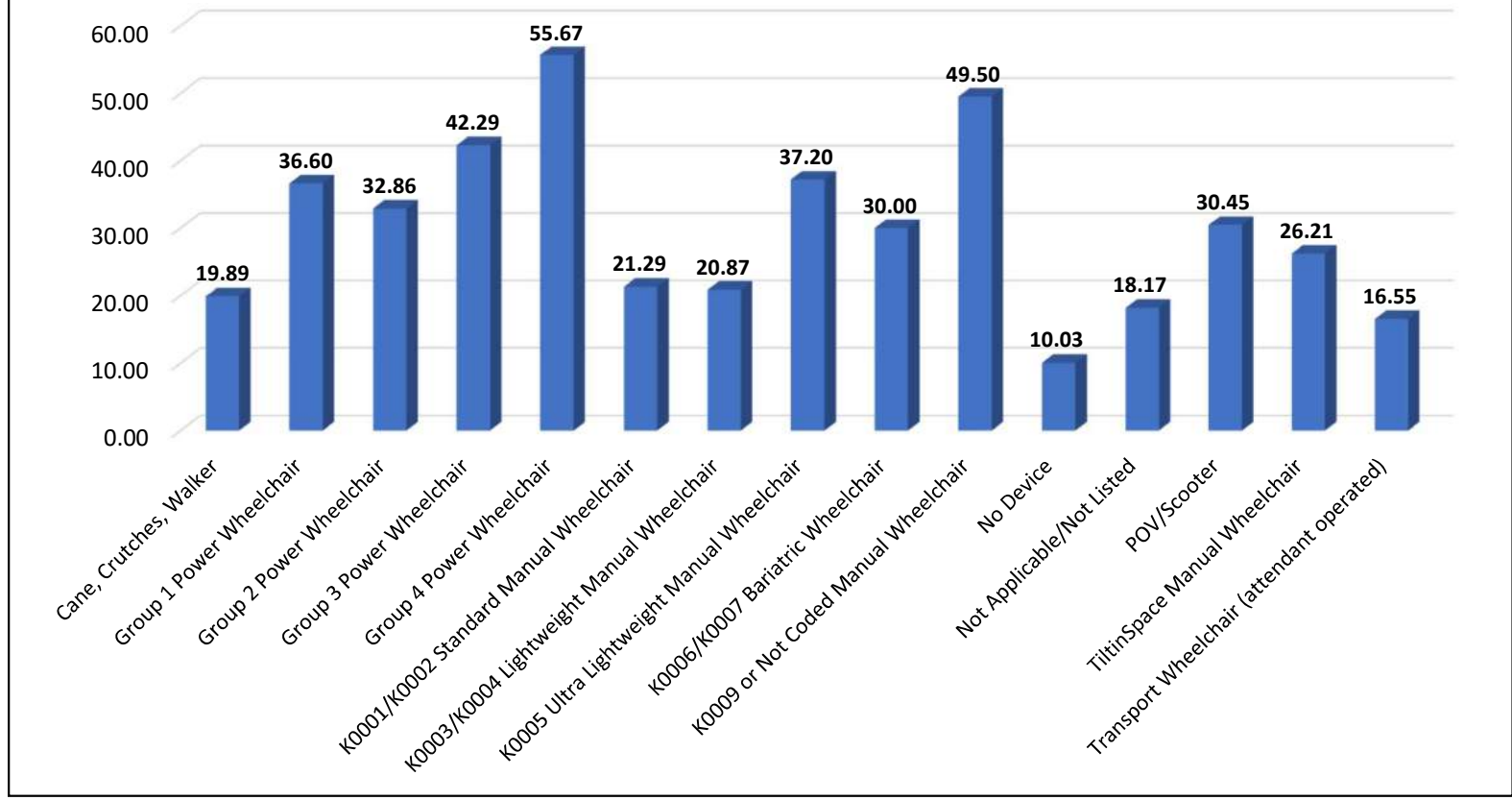


### FMA Scores for U.S. Rehab at Baseline for PWC Users (n=334) Compared with MWC Users (n=271)



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### Total FMA Scores by Device Type for U.S. Rehab at Baseline (n=766)



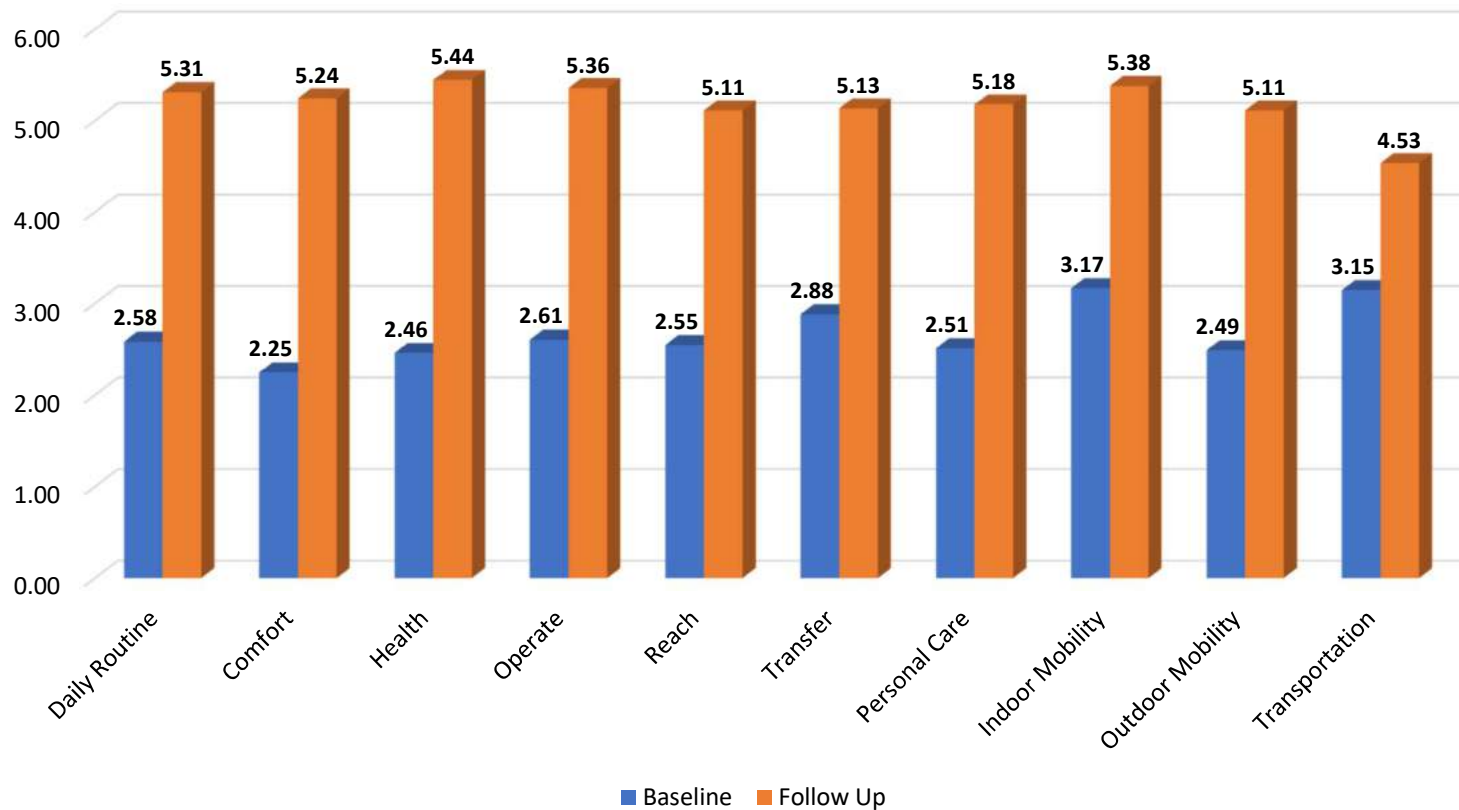
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# U.S. Rehab Diagnosis Specific Data



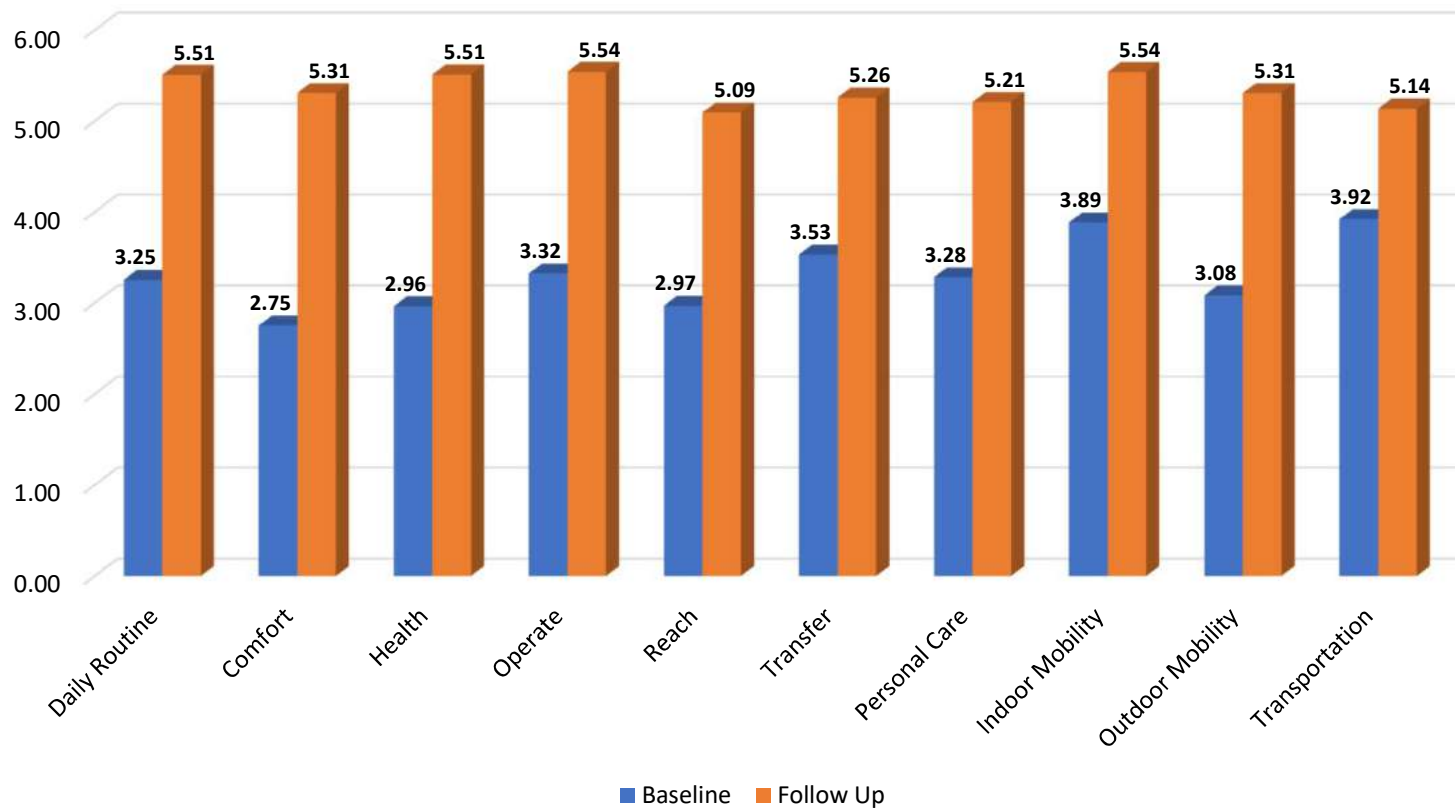
### FMA Scores for U.S. Rehab at Baseline Compared with Follow Up (Stroke/CVA) (n=45)



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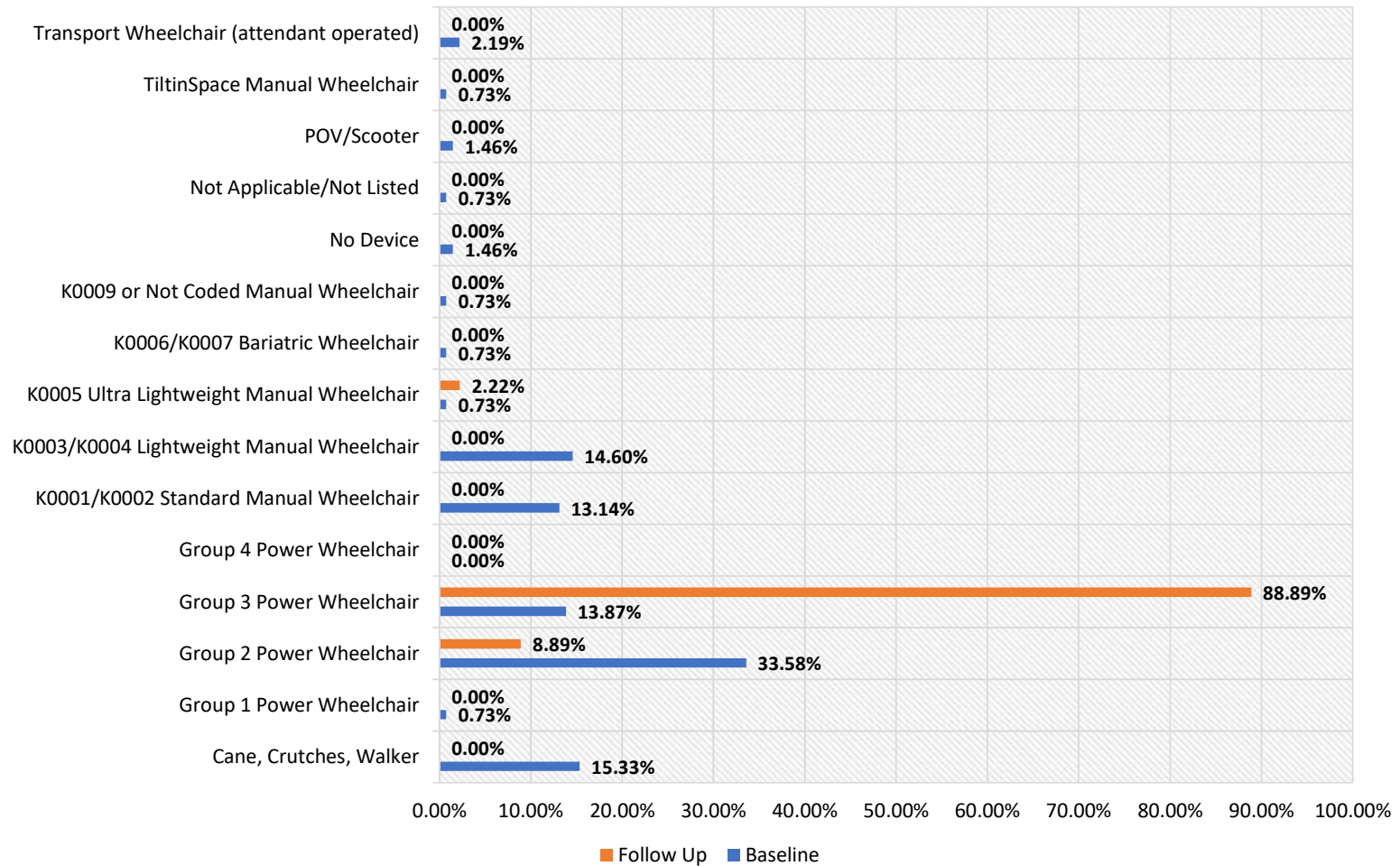


### FMA Scores for U.S. Rehab at Baseline Compared with Follow Up (n=183)



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## Equipment for U.S. Rehab at Baseline and Follow-Up (Stroke/CVA)(n=45)

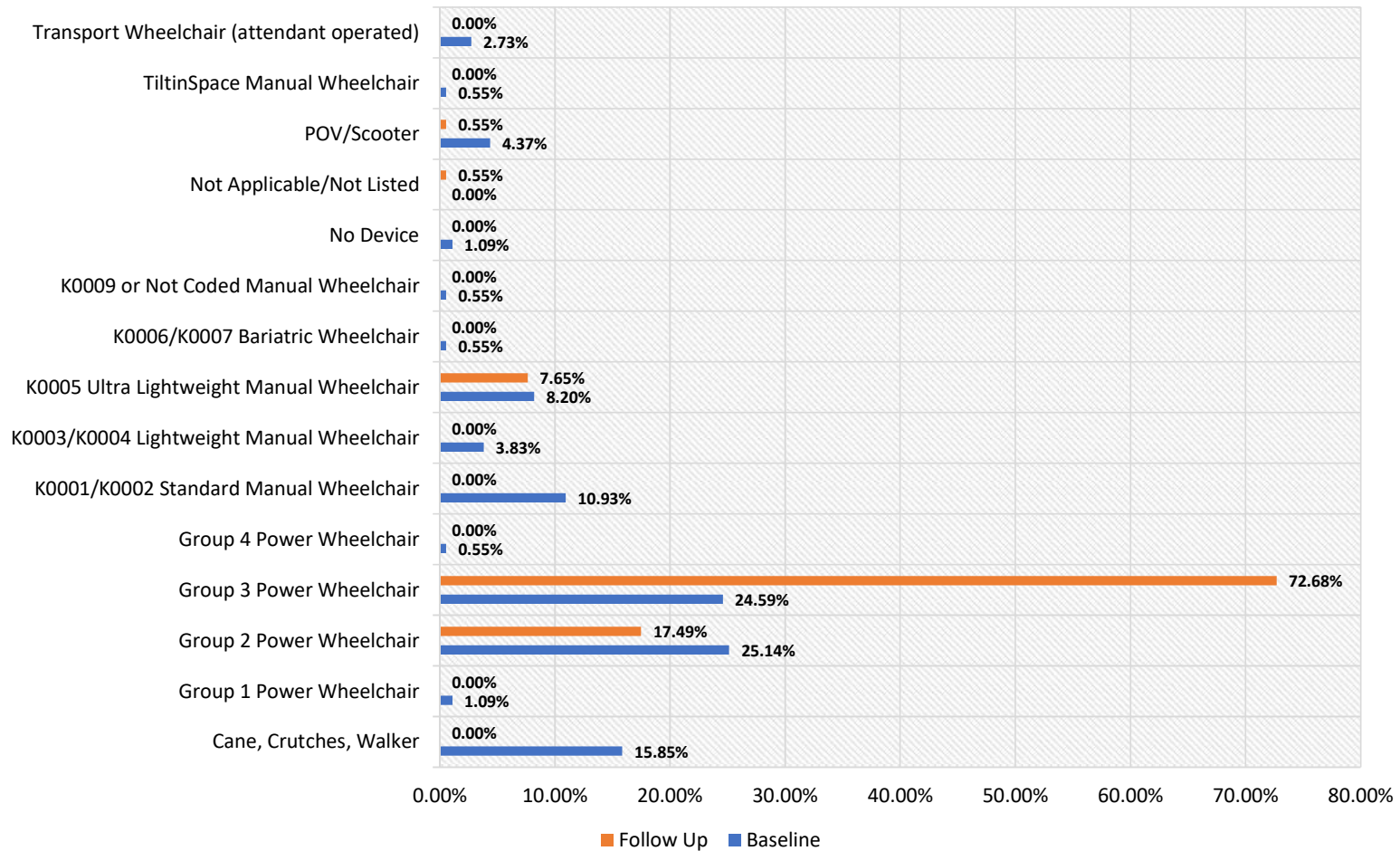


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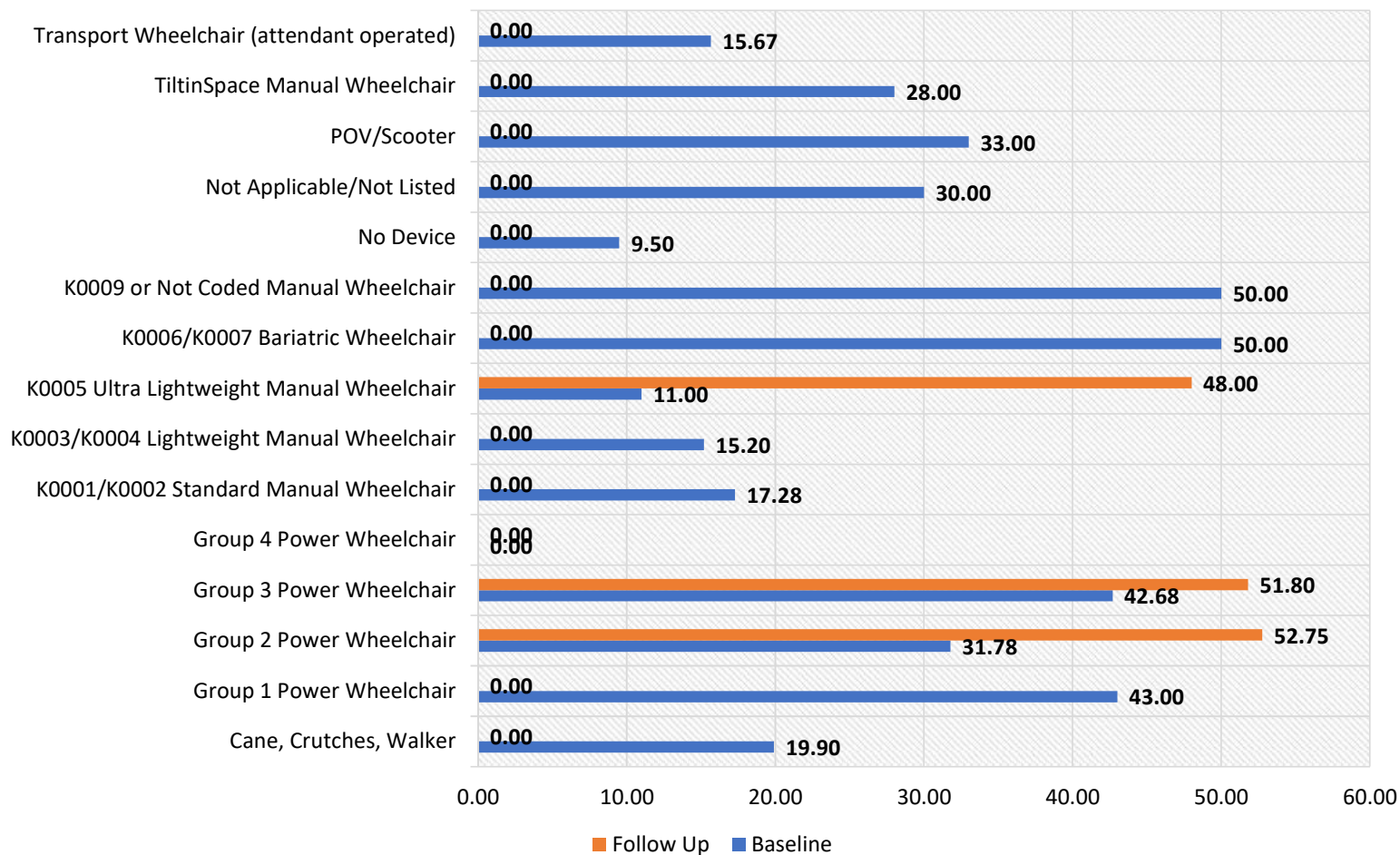
## Equipment for U.S. Rehab at Baseline and Follow-Up (n=183)



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## Device Comparison for U.S. Rehab at Baseline and Follow Up (Stroke/CVA)(n=45)



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- Schein, R. M., Schmeler, M. R., Holm, M. B., Pramuka, M., Saptono, A., Brienza, D. M. (2011). Telerehabilitation assessment using the Functional Everyday with a Wheelchair-Capacity instrument. *Journal of Rehabilitation Research & Development*, 48, 115 – 124.
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# Thank You...Any Questions??

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