

 Assessment Process

 Initial Assessment / Information Gathering

 Development of Goals

 Physical Assessment / MAT Evaluation

 Environmental Assessment

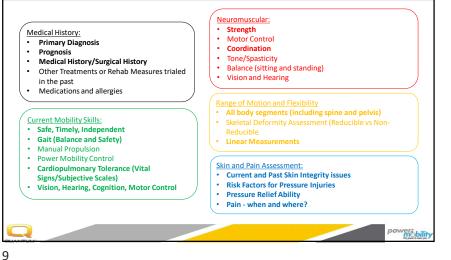
 Equipment Trial Process

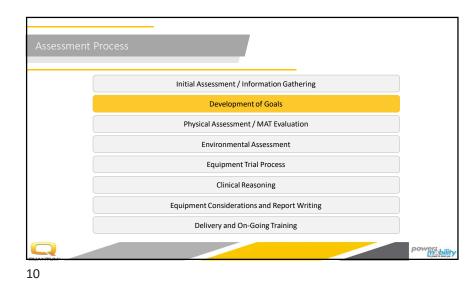
 Clinical Reasoning

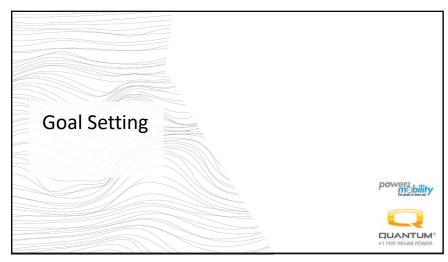
 Equipment Considerations and Report Writing

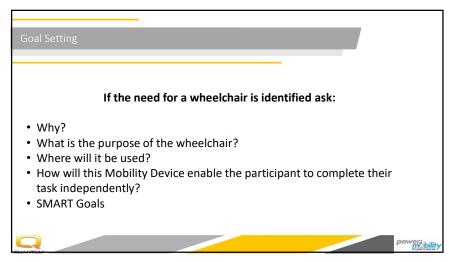
 Delivery and On-Going Training



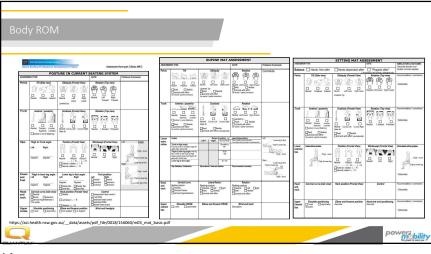


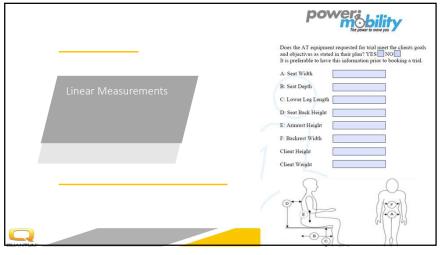


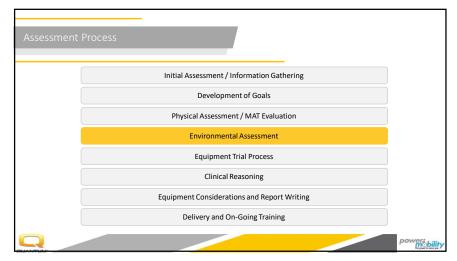


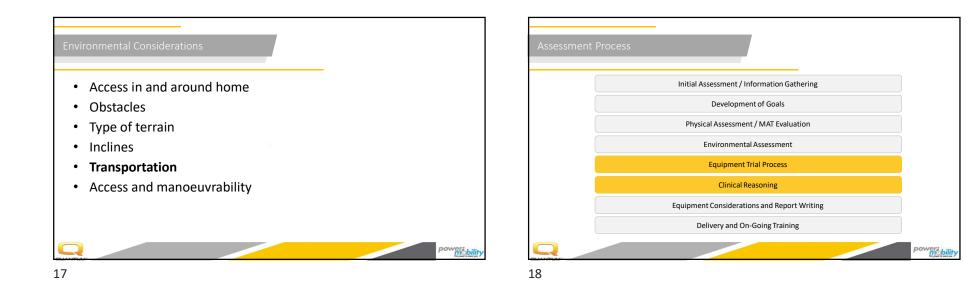






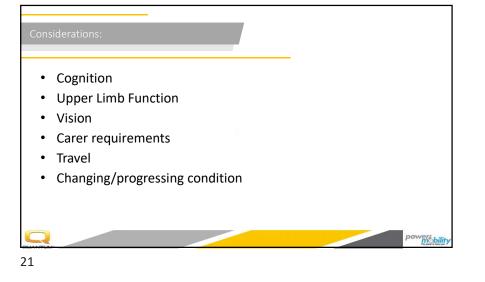






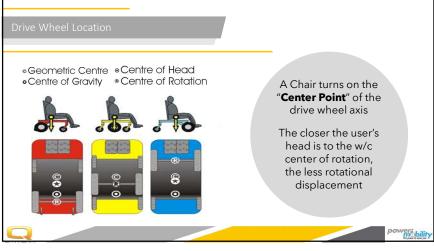


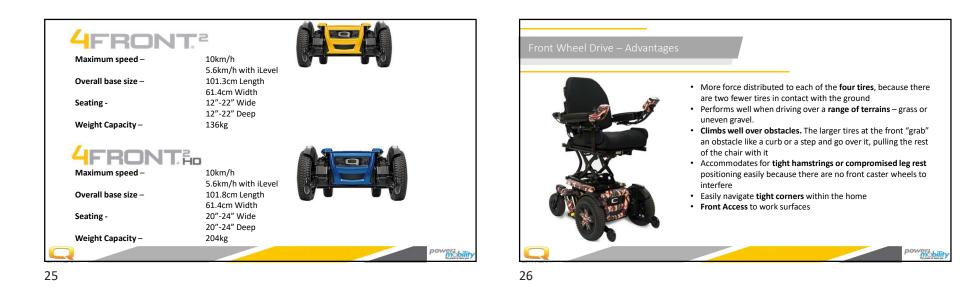








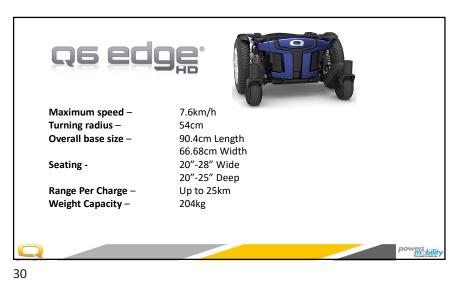














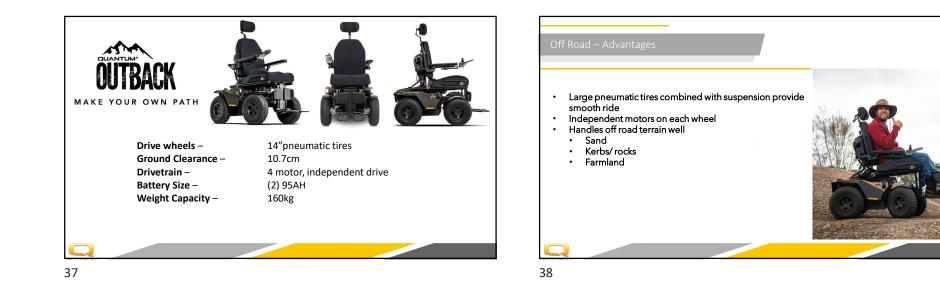






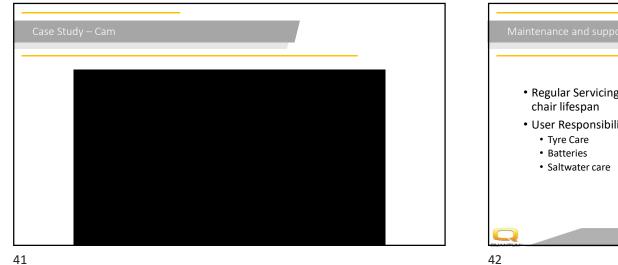






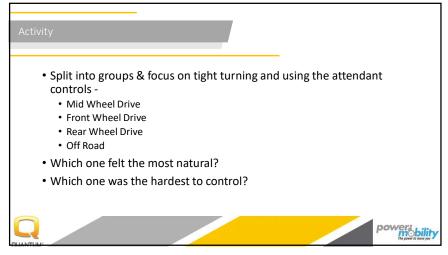


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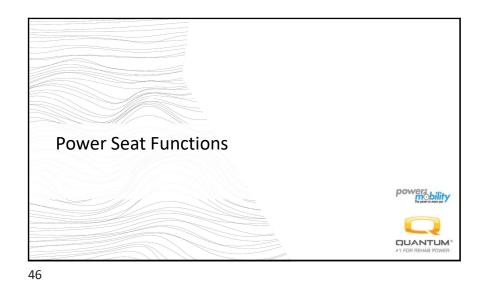




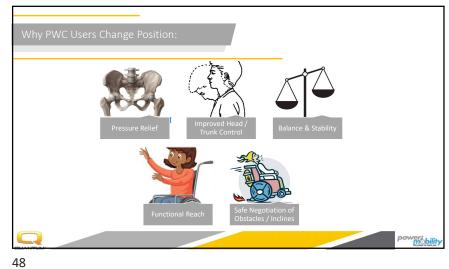




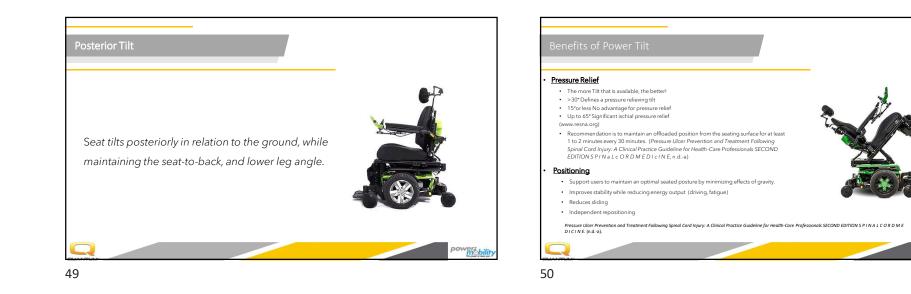








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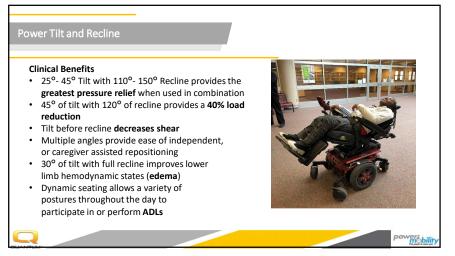








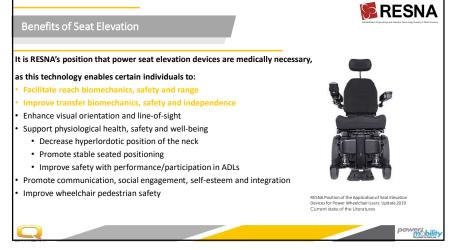
















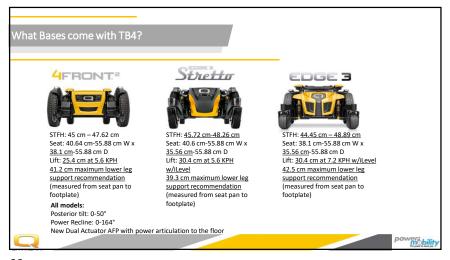
What is Anterior Tilt?

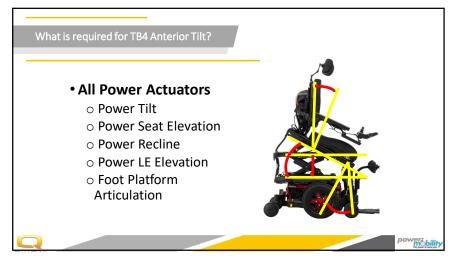
- A power seating function that much like traditional posterior tilt changes the angle of the wheelchair seat in the sagittal plane.
- This function raises the posterior aspect of the seat higher than the front which places the person in a partial standing position.

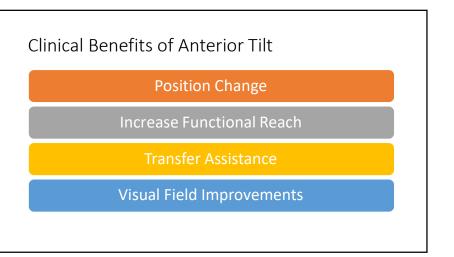












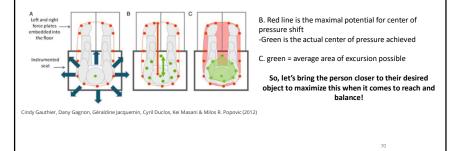
### 1) Position Change

- Pain management
- Pressure re-distribution
  - Additional functional movement options (dynamic seating) could increase the frequency in which weight shifts are completed
- Increased activity tolerance
- Due to changes in joint angles and increased comfort/tolerance
- Tone/spasticity management
   Joint angle changes



### Position Change For Balance and Reach:

In many individuals reaching outside one's base of support may be limited
 Extensive research on this for those with SCI, MS, post stroke, and CP



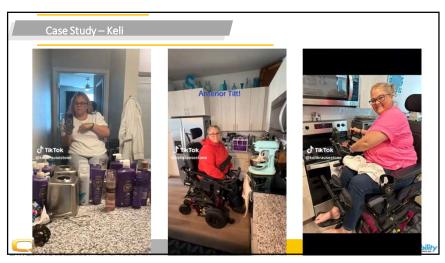
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## 2) Increase Functional Reach Increasing horizontal and vertical reach

- Improved upper extremity function even at anterior slopes of 0-15 degrees (Stavness, 2006).
- Improved biomechanics for reaching
- Limit positions that cause impingement
   Limits internal rotation with abduction
- Improve energy conservation
- "Wheelchair users perform overhead arm activities 5 times more often than ambulatory control subjects

Sharon E. Sonenblum , Chris L. Maurer , Christopher D. Hanes , Julie Piriano & Stephen H. Sprigle (2021)





### Activities of Daily Living – Functional Tasks:

- Access to sinks
- Grooming
- Meal prep
- Reaching items in cupboards
- Accessing cooktop
- Doing laundry

### Seat Elevation with Anterior Tilt is what allows the most OPTIMAL access

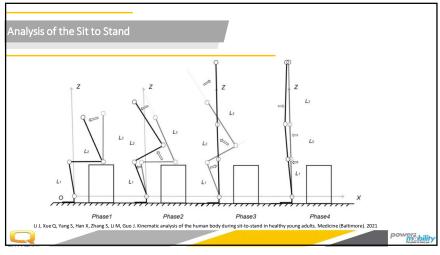
### 3) Transfer Assistance

- Improving independence during transfers
- Decreased caregiver burden for transfers
- Less strain on upper extremities
- Energy conservation
- Preservation of lower extremity available strength and endurance if appropriate





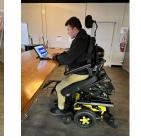




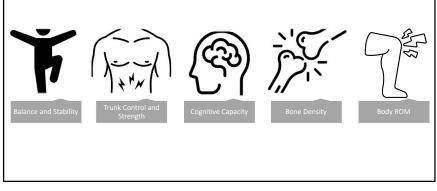
### 4) Visual Field Improvement







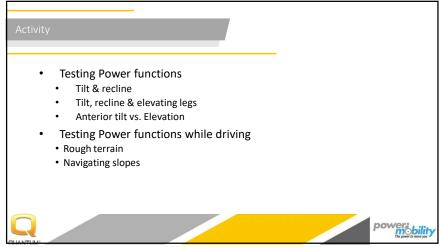


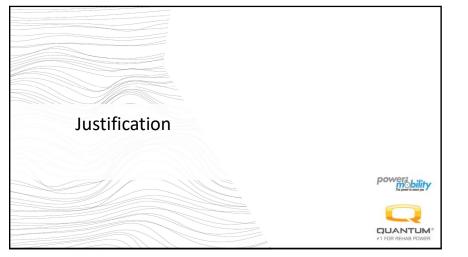


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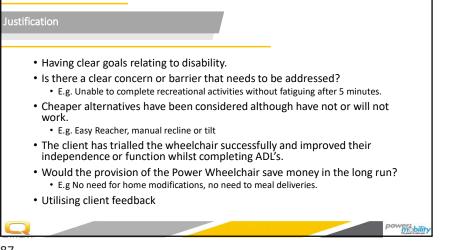
Considerations

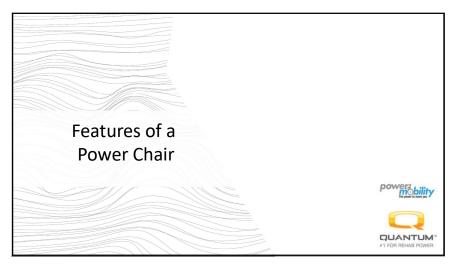
## Potential Candidates for Anterior Tilt A client who would <u>benefit from assistance due to impaired trunk control</u> who needs assistance <u>obtaining a higher level of functional reach</u> to complete activities of daily living (ADLs). The client <u>can tolerate a more upright body posture</u> the anterior tilt seat function places them into. The client <u>can tolerate the partial weight bearing position</u> that the anterior tilt seat function places them into. The client <u>has the appropriate range of motion</u> in their lower extremities to tolerate the anterior tilt position

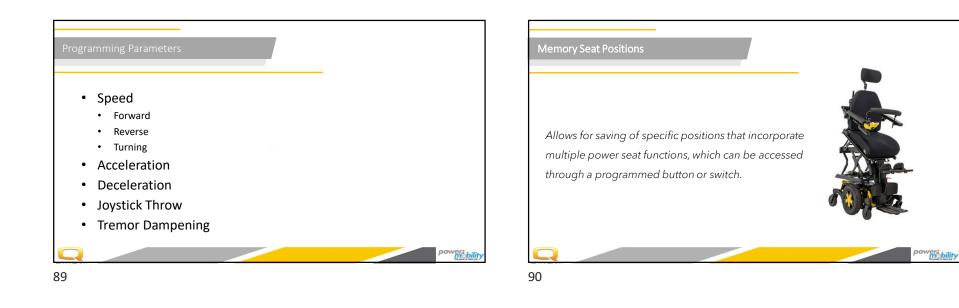


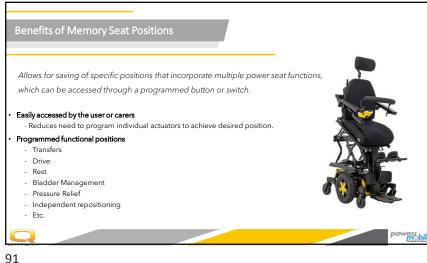










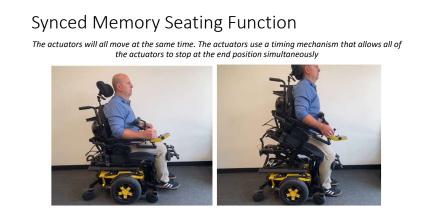


### TB4 - User Adjustable

### User Adjustable:

- Allows the consumer to make changes to the memory positions within that memory slot.
- User Adjustable can be enabled or disabled separately in each memory profile
- Examples could include vehicle access, positions of function for ADL, or positions of comfort for recreation/work activities









### Using the iAccess Module

- Programmable module that can operate a wide range of functions
- This includes Seating, Bluetooth, Mouse Clicks, Mode Changes, Home Screen Access, and Light Package Control.
- Can be programmed up to 19 functions and have up to 5 pages programmed.





