



## CLINICAL QUICK REFERENCE: WHEELCHAIR FRAME LENGTH

Frame length selection plays a key role in propulsion efficiency, stability, maneuverability, and overall wheelchair fit.

### CLINICAL TIPS

- Shorter frames often benefit active users prioritizing efficiency and responsiveness.
- Longer frames may be appropriate when stability or positioning needs outweigh maneuverability.
- Always consider body measurements, environment, and functional goals together.

### QUICK COMPARISON

FRAME LENGTH	TYPICAL USER PROFILE	CLINICAL ADVANTAGES	CLINICAL CONSIDERATIONS
-1" or - 2" Shorter Frame Compared to Standard	<ul style="list-style-type: none"> <li>• Smaller or active users</li> <li>• Tight indoor environments</li> </ul>	<ul style="list-style-type: none"> <li>• Rear wheels closer to center of mass</li> <li>• Improved propulsion efficiency</li> <li>• Excellent maneuverability</li> <li>• Easier transport and storage</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure rearward stability</li> <li>• May limit seat depth or component selection</li> <li>• Will affect how client sits with chosen hanger angle</li> </ul>
Standard Frame	<ul style="list-style-type: none"> <li>• Most users</li> <li>• General daily use</li> </ul>	<ul style="list-style-type: none"> <li>• Balanced stability and maneuverability</li> <li>• Flexible configuration options</li> <li>• Forgiving setup</li> </ul>	<ul style="list-style-type: none"> <li>• This is how the wheelchair was engineered to perform</li> </ul>
+1" or + 2" Longer Frame Compared to Standard	<ul style="list-style-type: none"> <li>• Taller users</li> <li>• Longer femur length that cannot be supported by seat depth</li> <li>• Higher stability needs</li> </ul>	<ul style="list-style-type: none"> <li>• Increased rearward &amp; anterior stability</li> <li>• Additional space for positioning or wheels/ accessories</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced maneuverability</li> <li>• Increased push effort</li> <li>• Larger overall footprint</li> <li>• Will affect how client sits with chosen hanger angle</li> </ul>

\*For the folding frames, see incompatibilities at end of folding order form on p.7