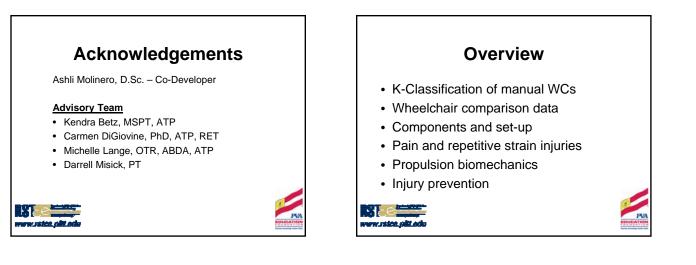


Hae

















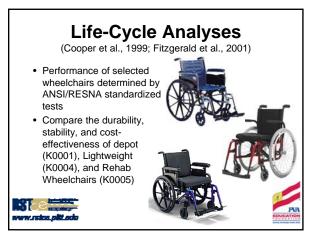
Key Features of Ultralights

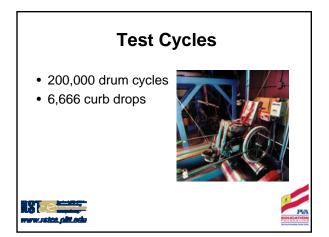
- Durable
- Cooper et al., 1999
- Cost effective to operate
- Cooper et al., 1996; Cooper et al., 1997; Fitzgerald et al., 2001
- Custom configured via adjustability or frame design for: - Comfort (DiGiovine, 2000)
- Postural support (Hastings, 2003)
- Skin protection (Cook, 2002)
- Skin protection (Cook, 2002
- Efficient propulsion & injury prevention (Brubaker, 1986; Beekman, 1999; Boninger, 2000; Richter, 2001)

Heavy duty (K0006)
> 250 lbs
Or severe spasticity
Extra Heavy Duty (K0007)
> 350 lbs
Heavy (100 lbs)
Tegency XL

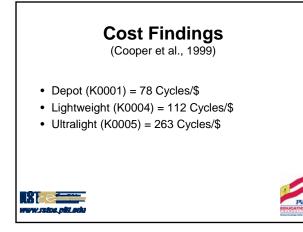








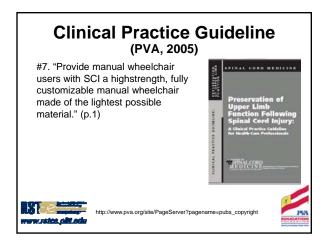
Mean Life Cycles (Fitzgerald et al., 2001)
Depot (K0001): 117,210
Lightweight (K0004): 200,029
Ultralight (K0005): 309,362









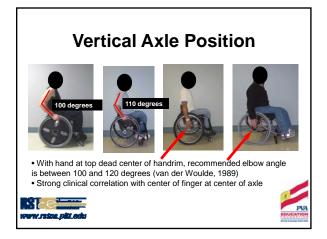


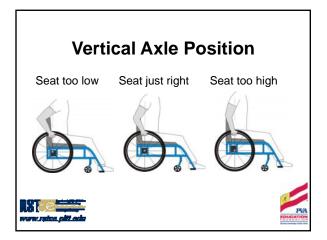


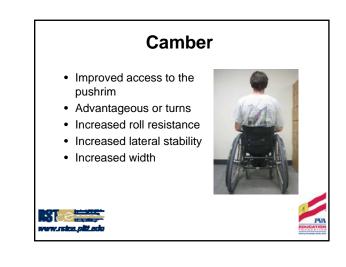
Rear Wheel Forward Supported by research . . . Decreased roll resistance (Brubaker et al., 1986) Handrim contact increased (Hughes et al., 1992) Propulsion with less muscle effort, smoother joint patterns & lower stroke frequency (Masse, 1992) Lower peak forces, less rapid loading of pushrim, fewer strokes, greater contact angles with handrim (Boninger et al., 2000)

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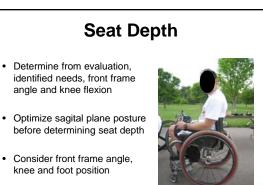












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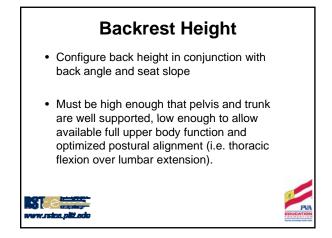


- · Facilitates stabilization of the pelvis and trunk in combination with back height and angle
- Sagital plane alignment
- May make transfers more difficult - teach skills

HCS









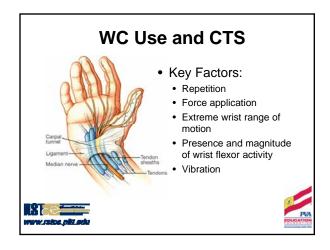
Wheelchair Use & Pain Carpal Tunnel Syndrome (CTS)

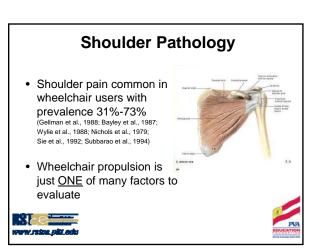


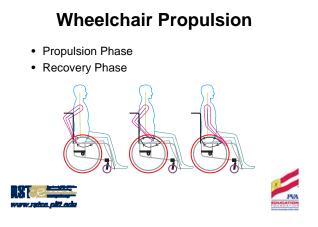
- High prevalence in wheelchair users – ranges from 40%-70% (Gellman et al., 1992; Aljure et al., 1985; Gellman et al., 1988; Tun et al., 1988; Daviddi et al., 1991)
- Correlation of median nerve injury to wheelchair propulsion (Boninger et al., 1999; Boninger et al., 2003)

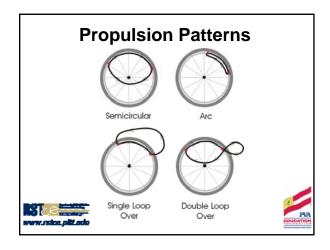
New state plilado

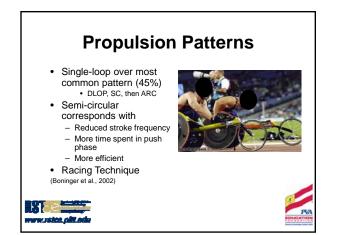




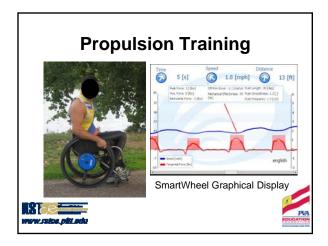


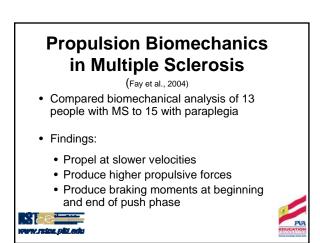












MWC Options & Accessories Arm supports Side guards Rear wheels Wheel locks

- Pushrims
- Casters
- Seating interface

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MWC Maintenance

- Tires inflation
- Rear Wheel Alignment
- Front Caster Alignment
- Wheel & Caster Bearings
- Upholstery
- Wheel locks

