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Medical

Prime Series[®] Stretcher Push Force Test

Situation

Stryker stretchers have a legacy of innovation that has had a significant impact on the standard of care in patient transport for more than 70 years. Stryker's Prime Series Stretchers offer a variety of advanced mobility options that make transporting patients weighing up to 700 lbs. safer and easier for caregivers.

In order to demonstrate the importance of utilizing the appopriate equipment necessary for transporting patients throughout the hospital, Stryker conducted a push force study, which measured and compared the amount of push force required to start and sustain pushing a hospital bed vs. a stretcher featuring Stryker's advanced mobility options.

Start-Up Force*





With a patient weight of 250 lbs on linoleum flooring

Linet Eleganza 3 Hospital Bed requires **19 Ibs** of force to start

Prime Series Stretcher with Big Wheel Advanced Mobility option requires **15 Ibs** of force to start

Prime Series Stretcher with Zoom Motorized Drive system requires **8 Ibs** of force to start

With a patient weight of 250 lbs on carpet

Linet Eleganza 3 Hospital Bed requires **32 Ibs** of force to start

Prime Series Stretcher with Big Wheel Advanced Mobility option requires **27** Ibs of force to start

Prime Series Stretcher with Zoom Motorized Drive system requires **8 Ibs** of force to start



Prime Series Stretcher with Big Wheel® Advanced Mobility



Prime Series Stretcher with Zoom® Motorized Drive System

*Figures based on the average of three tests Testing completed by Stryker Medical

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Prime Series Stretcher Push Force Test (cont'd)

Sustainment Force*





With a patient weight of 250 lbs on linoleum flooring

Linet Eleganza 3 Hospital Bed requires **8 Ibs** of force to sustain transport

Prime Series Stretcher with Big Wheel Advanced Mobility option requires **8 Ibs** of force to sustain transport

Prime Series Stretcher with Zoom Motorized Drive system requires **4 Ibs** of force to sustain transport

With a patient weight of 250 lbs on carpet

Linet Eleganza 3 Hospital Bed requires **23 Ibs** of force to sustain transport

Prime Series Stretcher with Big Wheel Advanced Mobility option requires **17 Ibs** of force to sustain transport

Prime Series Stretcher with Zoom Motorized Drive system requires **5 lbs** of force to sustain transport

Conclusion

Stryker Prime Series Stretchers with Advanced Mobility solutions such as the Zoom Motorized Drive system or Big Wheel Advanced Mobility require less effort to start and sustain the transport of a patient than transporting on a hospital bed.

*Figures based on the average of three tests Testing completed by Stryker Medical

Mkt Lit-1018 30 OCT 2014 Rev B.2 Copyright © 2015 Stryker