

Canadian Association of Occupational Therapists
Product Recognition Program

Stander™ PT BedCane



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Specific questions related to this product(s) (including usage, availability, pricing, etc.) should be addressed directly to the manufacturer and/or distributor. Please contact Stander Inc. by email at sales@stander.com or by phone at 1(800)506-9901. Concerns or questions related to the content of this report should be addressed to Julie Lapointe, Director of Knowledge Translation Programs, at jlapointe@caot.ca or at 1(800) 434-2268 ext. 260.

The conclusions presented in the current report are derived from the best information available. In the case that new information becomes available and grants a modification to the conclusions, CAOT reserves the right to update and issue a new report of this product at any time.

Acknowledgement

The generation of this report would not have been possible without the contribution of occupational therapists and members of the Canadian Association of Occupational Therapists (CAOT).





Executive Summary

The Stander™ PT BedCane is a grab bar that attaches to the side of the bed and supports individuals with sit-to-stand transfers from bed. Reviewers recommended that the Stander™ PT BedCane be accepted for the CAOT Product Recognition Program. Information and recommendations regarding the performance of the product are provided in this report.



Stander™ PT BedCane is recognized by CAOT.



Review report

The purpose of this product

The Stander™ PT BedCane is a grab bar that attaches to the side of the bed and supports individuals to sit up and transfer into and out of bed more easily. It can be used with mattresses between 10-17 inches thick and can support users up to 300 lbs. / 136 kg. A storage pouch is attached to the product so items such as remotes, medications or glasses can be kept close by.

Performance of the product (efficacy, usability, safety, reliability, durability)

- The Stander™ PT BedCane was found to be solid, durable and reliable by reviewers. It is made out of solid metal pieces attached with fixed tight bolts. Reviewers noted that such design the risk of breakage is minimal.
- The product is useful for individuals who need assistance with bed mobility and sit-to-stand transfers. It is not intended to prevent falling out of bed like a bed rail.
- This product is compact and therefore would have minimal impact on the physical environment of users. Because it attaches to the side of the bed instead of the floor, this product is not a tripping hazard during bed transfers.
- Two people are required for installation because the mattress needs to be lifted to appropriately place the product. This product attaches to the bed with a “Safety Strap” to secure it to the bed frame. Installation takes approximately 20 minutes and the only tool required is a hex key.
- Instructions were found to be clear and easy to follow with plenty of details and multiple diagrams.
- Minimal maintenance is required once installed, consisting mainly of ensuring the bolts are tight and that the straps are intact.

Important recommendations

The reviewers would like to highlight 3 safety considerations for the Stander™ PT BedCane:

1. The manufacturer includes useful and important warnings to avoid bed entrapment, specific recommendations about the location of installation to reduce the risk of entrapment are located in the instructions.
2. “Active sleepers” may make contact with the product which has the potential to result in bruising.
3. As the Stander™ PT BedCane is secured under the mattress, it does move slightly when a lot of pressure is applied. Users that rely entirely on this product during their transfers may be destabilized by this slight motion.
4. This product clearly outlines that there is a 300 lb. / 136 kg weight restriction. Therefore, the reviewers recommend that this product not be used with individuals close or above that weight.

Consumers and caregivers are invited to read the safety recommendations related to bed rails issued in 2017 by the U.S. Food & Drug Administration (FDA, 2017).



Economic considerations

Two of the three reviewers found that the Stander™ PT BedCane provides good value for investment.

Scientific evidence

No scientific publications regarding the effectiveness of bedside grab bars were found through a rapid literature search. A mixed method analysis however reported that strategically placed grab bars increase users' sense of security (Guitard, Sveistrup, Edwards, & Lockett, 2011).

Review committee

The Stander™ PT BedCane was reviewed by three occupational therapists with diverse backgrounds, expertise and experience. The first reviewer has been working at a rural health care organization for three years, providing client care in acute, outpatient, long-term care and community care settings. The second reviewer works in the community. She addresses bed mobility and sleep issues in clients who have sustained injuries or are experiencing chronic illness. The third reviewer is a recent graduate who works in a hospital where she is responsible for recommending equipment at discharge and performing evaluations and training with various equipment with clients on the unit.

Final recommendation

All reviewers recommended that the Stander™ PT BedCane be accepted for the CAOT Product Recognition Program. This product may be recommended by an occupational therapist to clients upon discharge from hospital or in a context of recommending home safety products for decreased capacity to perform bed transfers. It may also be recommended for those who experience difficulty with bed mobility but who do not require a bed rail. Individuals using the Stander™ PT BedCane should have adequate range of motion and upper extremity strength to derive the full benefits from this product.

References

- Guitard, P., Sveistrup, H., Edwards, N., & Lockett, D. (2011). Use of different bath grab bar configurations following a balance perturbation. *Assist Technol*, 23(4), 205-215; quiz 216-207. doi:10.1080/10400435.2011.614674
- U.S. Food & Drug Administration (FDA). (2017). *Recommendations for Consumers and Caregivers about Bed Rails*. Retrieved from <https://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/HomeHealthandConsumer/ConsumerProducts/BedRailSafety/ucm362843.htm>