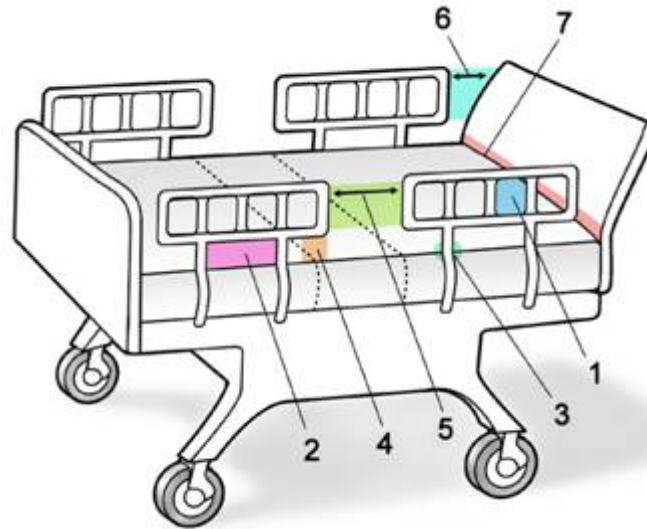


Siderail Entrapment Zones and Dimensional Recommendations

Taken from the March 10, 2006 FDA Hospital Bed System Dimensional and Assessment Guidance



Hospital Bed Safety



- **Zone 1** : Within the rail
- **Zone 2** : Under the rail, between the rail supports or next to a single rail support
- **Zone 3** : Between the rail and the mattress
- **Zone 4** : Between the rail, at the ends of the rail
- **Zone 5** : Between split bed rails
- **Zone 6** : Between the end of the rail and the side edge of the head or foot board
- **Zone 7** : Between the head or foot board and the mattress end

FDA dimensional limit recommendations to reduce the risk of entrapment:

- **Zone 1** : $< 4 \frac{3}{4}$ "
- **Zone 2** : $< 4 \frac{3}{4}$ "
- **Zone 3** : $< 4 \frac{3}{4}$ "
- **Zone 4** : $< 2 \frac{3}{8}$ " AND $> 60^\circ$ angle
- **Zone 5** : FDA recognizes this area as potential for entrapment but currently does not have published dimensional guidance
- **Zone 6** : FDA recognizes this area as potential for entrapment but currently does not have published dimensional guidance
- **Zone 7** : FDA recognizes this area as potential for entrapment but currently does not have published dimensional guidance

The only FDA approved method to accurately measure the spaces in the zones is via a FDA authorized entrapment measurement kit. Care Providers of Minnesota owns two of these kits and rents them for week-long periods of time for providers to measure and document their siderail measurements. The kit also provides assessment tools and mitigations strategy resources that may be retained by the user.



The kit may be ordered via the Care Providers of Minnesota on-line store, located at:

<https://www.careproviders.org/Store/tabid/2515/Default.aspx>

or by calling Rachel David at 952-851-2491.

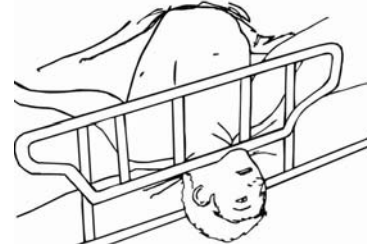
APPENDIX E

Drawings of Potential Entrapment in Hospital Beds

Zone 1 – Entrapment within the rail



Zone 2 – Entrapment under the rail, between the rail supports or next to a single rail support



Zone 3 – Entrapment between the rail and the mattress



Zone 4 – Entrapment under the rail, at end of rail



Zone 5 – Entrapment between split bed rails



Zone 6 – Entrapment between the end of the rail and the side edge of the head or foot board



Zone 7 – Entrapment between head or foot board and the mattress end

