

Introducing the JuniorBed - reducing risk for smaller individuals

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Learning Outcomes

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- An overview of the children's standard 50637
- Introduction to the features, functions and accessories of the FloorBed® and Community bed for children.
- The clinical benefits of the ultra-low FloorBed® function:
 - Promote independent transfers
 - Enabling safe bed mobility
 - Reduce risk of bed falls and associated injuries

Bed Standard 50637

What is different in the new standard?

The main difference in the standard is the size of the gaps between siderails, mattress platform and closing gaps. These are much smaller than with adult beds. There are also extra tests that must be done on the bed to enable it to meet the standard that are not required on the adult bed.

How will it affect me?

Manufacturers must meet these standards to be able to state their beds are suitable for children. For local authorities, this means that when issuing beds for children, or those who are outside of the intended service user groups for adults, that an appropriate bed is used.

Bed Standard 50637

What is it?

The new children's standard (BS EN 50637:2017 – Medical electrical equipment – Particular requirements for the basic safety and essential performance of medical beds for children) is a new standard for medical beds suitable for children.

Why has it been introduced?

Adult beds have an intended service user group which is defined as below (adult standard is BS EN 60601-2-52):

- over 40 kg/6.4 stone
- over 1.46 m/4.8ft in height
- with a BMI of more than 17

Anyone outside of these dimensions, particularly children, therefore fall out of this user group.

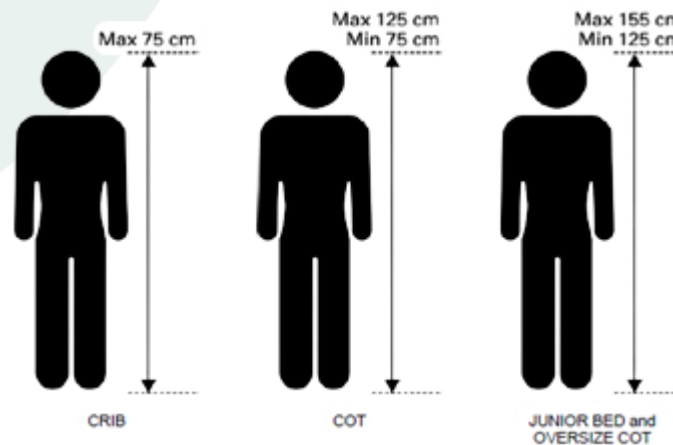
Bed Standard 50637

Who does this refer to?

There is no reference to ages of service users, but sizes.

50637 – Particular requirements for the basic safety and essential performance of medical beds for children came into force in August 2020.

The standard is not retrospective therefore it does not require you to necessarily replace the equipment you have supplied in the past.



FloorBed and CommunityBed Junior

What have Accora done to meet the standard?

Accora have developed a safe, simple, cost-effective solution for our beds to enable community equipment stores / prescribers to be able to comply with the new 50637 standard.

The Junior Kit is then added to the bed, this enables the bed to meet the 50637 standard for Junior Bed and Cot – for service users down to 75cm

Junior Kit

Safety Sleeve

- Encompasses complete mattress platform
- Zips into head & foot end

Head & Foot Bumpers

- Padded cover for head & foot board
- Lockable compartment for handset



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Accessories

Siderails

- Padded, mesh fabric
- Lockable in up and down position
- In-built mattress infill

Firm Edge Mattress

- Helps transfers
- Less compression at siderails
- Burrowing behaviors – Heavier to lift



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Case studies

FloorBed prevented Freda from slipping off the edge of the bed

- Enabled Freda to retain stability when sat on the edge
- Enabled safe and independent bed transfers
- Retained Freda's independence and dignity.
- Eliminated need for a care package or the need to sleep in her chair



FloorBed enabled Colin to lift his legs into bed independently

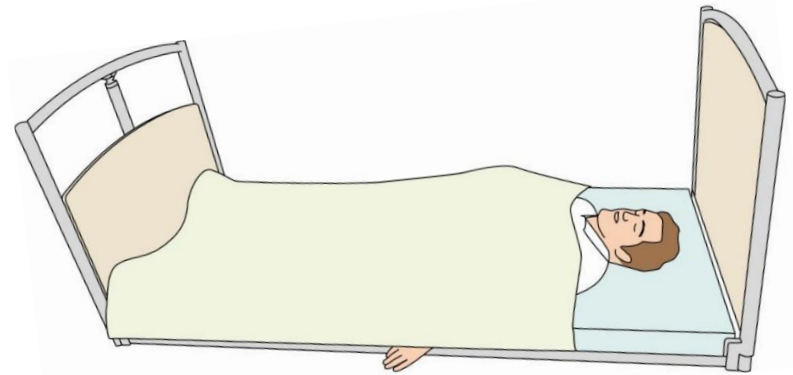
- Regained independence and dignity
- Managed the Oedema in his lower limbs
- Eliminated need for a care package



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FloorBed reduced Tom's anxieties, risk of bed falls and associated injuries

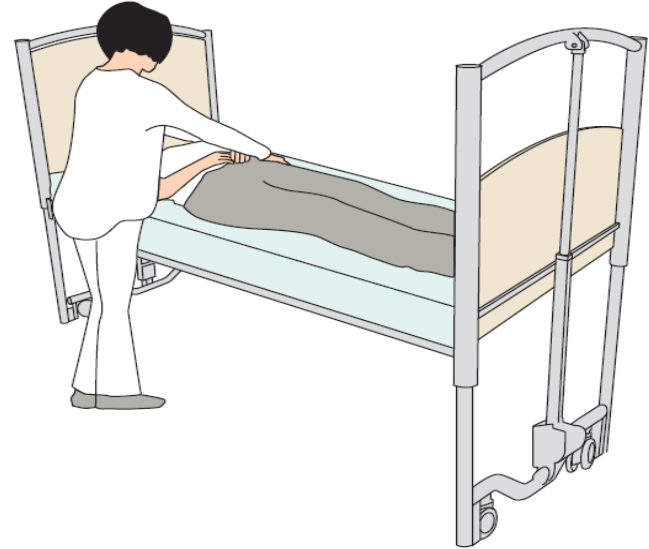
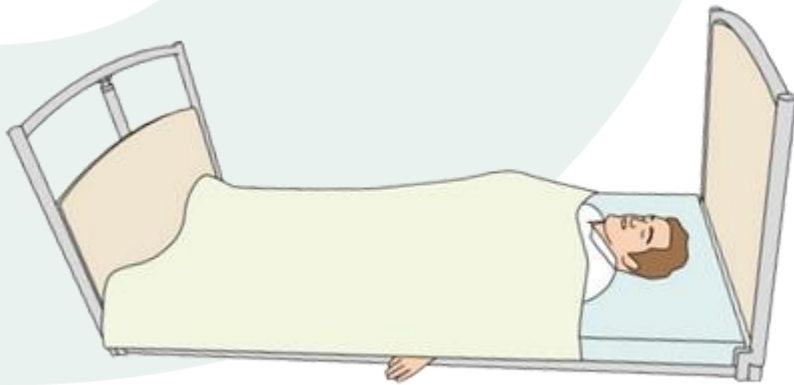
- Tom could touch the floor and see it at eye level
- Tom stopped hallucinating and was much calmer
- Tom did not have any further bed falls
- Reduced the burden and strain on carers



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FloorBed reduced the risk of injury to Paul and his carers

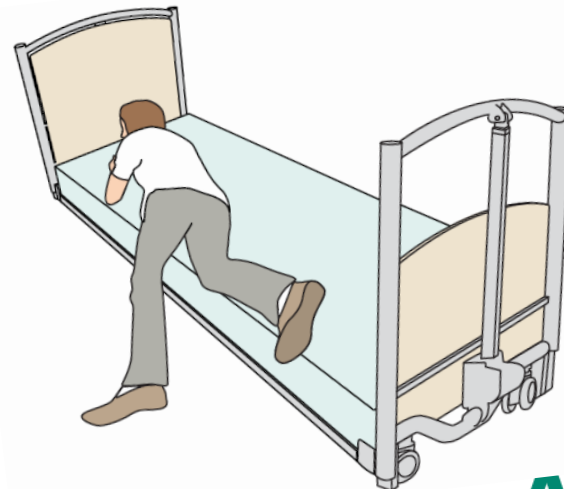
- Reduced risk of injury in the event of a seizure
- Enabled care tasks to be carried out safely
- Reduced the strain on the family when assisting with transfers



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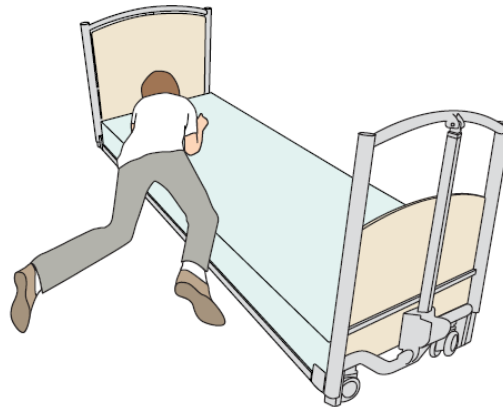
FloorBed enabled Charlotte to transfer into bed independently

- Significantly reduced the level of strength and effort required
- Promoted dignity and independence
- Reduced dependence on family
- Reduced the need for additional equipment



FloorBed enabled Michael to meet his own sensory needs by carrying out independent transfers

- Reduced risk of injury in the event of a bed fall
- Promoted independent transfer to meet sensory needs
- Negated the need for side rails
- Reduced distress caused by hoisting several times a day



To Summarise

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- Introduction to the features, functions and accessories of the FloorBed® and Community bed for children.
- How does the bed meet the children's standard 50637
- The clinical benefits of the ultra-low FloorBed® function:
 - Promote independent transfers
 - Enabling safe bed mobility
 - Reduce risk of bed falls and associated injuries

Questions?

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