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Justification Template: Raizer II Emergency Lifting Chair

In the UK, six falls are reported every minute among people aged 65+. Having appropriate lifting devices in care homes, hospitals, and private residences protects older people, and their caregivers, from the negative outcomes associated with falls.

However, justifying the provision of lifting aids can be challenging. There are lots of boxes to tick for risk assessments and moving & handling policies. Use this template to speed things up and help you secure funding!

Copy and paste the relevant justification statements into your report:

1) Justifying Lifting Devices

You may need to justify why any sort of lifting device is needed before moving onto your specific recommendations for an individual client/facility. Here are some useful points on the benefits of lifting devices for managing falls:

EQUIPMENT	JUSTIFICATION
Lifting Device	<p>If an appropriate lifting device is not available, the only option is to call an ambulance:</p> <ul style="list-style-type: none">• Uninjured fallers are classed as low priority for ambulance callouts – a fallen person can be left on the floor for hours.• Ambulance services receive over 25,000 call per day – high call volumes lead to longer response times. [1]• Every ambulance callout costs the NHS £115. [2]• Unnecessary callouts cost the over £50m per year.

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EQUIPMENT	JUSTIFICATION
Lifting Device	<p>There are significant health risks associated with delayed fall assistance:</p> <ul style="list-style-type: none"> • Most fallers are uninjured. There is no need to wait for ambulance services and leave someone on the floor in an uncomfortable position. • The longer someone is on the floor after a fall, the longer their recovery. • Muscle damage, hypothermia, dehydration, incontinence, and pressure sores can all be consequences of a prolonged time lying on the floor. • 20% of patients admitted to hospital after a fall have been on the floor for 20% of patients admitted to hospital after a fall have been on the floor for over an hour. Of those, 50% die within 6 months, even if they are uninjured. [3] <p>In care home settings, there are wider consequences for staff and other residents:</p> <ul style="list-style-type: none"> • At least one member of staff must remain with the fallen person until the ambulance arrives – this may reduce the level of care for other residents. • Leaving someone on the floor for a long time after a fall may result in unhappy residents and/or relatives. If they choose to move homes because of this, it may result in a loss of revenue and reputation. • At least one member of staff must remain with the fallen person until the ambulance arrives – this may reduce the level of care for other residents. • If a resident ends up with longer term care needs due to being left on the floor for a long time, they may need to move to a care home with nursing care, which could reduce home revenue. • Staff injury could mean additional expense to get staff cover, ending in poorer service to those in the home. • Homes have a duty of care. They could be reported to CQC if there are multiple ambulance callouts and the service don't think adequate equipment or staff training is in place.

Disclaimer: If someone is injured after a fall, you should always call 999.

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2) Justifying the Raizer II Emergency Lifting Chair

When you're specifying Raizer II for a client or care facility, use this section to justify your choice over other lifting devices:

EQUIPMENT	JUSTIFICATION
Raizer II Emergency Lifting Chair	<p>Raizer II enables one-person assembly and operation:</p> <ul style="list-style-type: none"> • Only one carer needed to assist a fallen person – saves time and money long-term. • Suitable for care homes where staff have multiple residents to look after at any one time. • Suitable for use by a Community First Responder (CFR) to reduce ambulance callouts and costs. • Suitable for use in domestic settings where only one relative is available to assist after a fall. <p>Raizer II can be paused in a seated position before raising someone fully back to their feet:</p> <ul style="list-style-type: none"> • Reduces the risk of dizziness or fainting when standing. • Allows the fallen person to rest if they are feeling distressed. • Allows operator to raise the individual into an upright position and perform further observations if needed. <p>Chair design allows Raizer II to be used safely on multiple surface:</p> <ul style="list-style-type: none"> • Suitable for indoor use. • Suitable for outdoor use.

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FEATURE	JUSTIFICATION
Battery powered electric lift	<p>No physical lifting required:</p> <ul style="list-style-type: none"> Reduced risk of injury for carers – decreases time and money spent on sick days in care home settings. Can be used in settings with a no-lift policy (once approved by management). Easy for older people to operate in a domestic setting e.g. where one spouse is caring for the other. <p>20 – 30 second lifting time:</p> <ul style="list-style-type: none"> Getting someone back on their feet quickly minimises discomfort, distress, and the risk of negative health consequences. Quicker lifting allows carers to focus on reassuring the fallen person and providing other care. <p>Up to 100 lifts on a single charge:</p> <ul style="list-style-type: none"> Suitable for settings with frequent falls. Immediately available in an emergency. Very quiet when in use – prevents distress and confusion.
Remote control	<ul style="list-style-type: none"> When safe, the fallen person can operate Raizer II themselves - promotes independence and re-establishes confidence and sense of control. Facilitates a steady and gentle lifting motion. The operator can support the fallen person whilst raising the chair. Stored within the seat unit when not in use – compact, easy access.
Disassembles into seven sections	<p>The main seat, two identical backrest pieces, and four identical leg pieces:</p> <ul style="list-style-type: none"> Easy storage when not in use. Fits into two custom carry cases for easy, lightweight transport – ideal for emergency services, falls response teams and domiciliary care providers.
Light and sound cues during assembly	<p>Raizer II chimes and a green light illuminates when fully assembled:</p> <ul style="list-style-type: none"> Correct assembly is quick and easy. Easy to operate for people who aren't care professionals. Reduces training required to safely operate. Enhances safety and efficiencies in settings with frequent falls.
Sealed, waterproof materials	<ul style="list-style-type: none"> Infection control friendly. Wipeable and easy clean. IP52 Ingress protection.

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FEATURE	JUSTIFICATION
150kg lifting capacity	<ul style="list-style-type: none"> Safely lifts people up to 23¾ stone
Automatic end stop position	<ul style="list-style-type: none"> Additional safety measure – ensures Raizer II stops in a suitable standing position to reduce risk of injury when standing. Facilitates quicker and easier disassembly.
Seatbelt	<ul style="list-style-type: none"> Additional safety measure during lifting. Add up to 3 seatbelts - for extra torso stability. Removable for easy cleaning and infection control.
Carry cases	<ul style="list-style-type: none"> The seat unit has its own carry case – easier storage and transportation. The other six components have dedicated sections in their carry case – enables quicker assembly.

ACCESSORIES	JUSTIFICATION
Hygiene covers	<ul style="list-style-type: none"> Enhanced infection control – prevents cross-contamination in multi-user environments.
USB/In-car charger	<ul style="list-style-type: none"> Enables charging on the go - ideal for emergency services, falls response teams and domiciliary care providers.
Trolley	<ul style="list-style-type: none"> Quick and easy transportation. Access locations that are otherwise hard to reach. Further reduces risk of injury to carers.
Triple wheel add-on	<p>Can be attached to the trolley to make going up and downstairs easier:</p> <ul style="list-style-type: none"> Quick and easy transportation. Access locations that are otherwise hard to reach. Further reduces risk of injury to carers.
Bike bracket	<p>To attach the trolley onto a bicycle:</p> <ul style="list-style-type: none"> Quick and easy transportation. Access locations that are otherwise hard to reach. Ideal for carers without cars who need to travel between multiple locations.
A wide supportive belt	<ul style="list-style-type: none"> Ideal if the fallen person leans to one side or has had a stroke.

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Comparison Table: Raizer II vs. Mobile Hoists vs. Inflatable Lifting Devices

If you're required to evaluate one lifting device against another, here are some useful points:

FEATURE	RAIZER II	MOBILE HOIST	INFLATABLE
Number of carers required	1	2+	2
Manual lifting required?	No	Yes – to apply and position the sling	Yes – to move the fallen person into a sitting position
Suitable for indoor & outdoor use?	Yes	No	Yes
Total assembly + lifting time	Approx. 3 minutes	Approx. 8 – 10 minutes	Approx. 5 – 7 minutes
How many lifts do you get from one charge?	Up to 100	N/A	Up to 3
Battery charging time	6 hours; 10 – 15 minutes to perform a single lift	N/A	16 hours
Stability	Seatbelt available; Seat unit one solid piece – no tilting or swaying	Carer must steady the sling at all times	Tilting can occur if the fallen person shifts their weight; risk of punctures
Portability	Carry case, trolley and triple wheel attachments available for transport; disassembles for storage; assembles in tight spaces	Some models are foldable; difficult to move between floors and set up in tight spaces	Carry case available for inflatable (not battery powered compressor); deflates for storage; assembles in tight space
Noise levels	Low – electric motor	Low – lifting arm	Medium – air compressor

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Justification Examples

Here are some examples of how you can use these justification statements when writing up a report.

EXAMPLE 1 - MR L

Mr L is an 81-year-old gentleman who has advanced dementia and mild incontinence. Due to his dementia, he often experiences confusion and can become distressed around unfamiliar people. He lives at home with his 68-year-old wife, Mrs L. She is his full-time carer. There is some concern about his safety as Mr L has become less steady on his feet in the past year. In the past 3 months, he has had four falls at home. Despite no serious injuries, all have required an ambulance callout and trip to hospital. The couple are both eager to continue living together at home.

I would like to put forward the following lifting device as it crucially meets all his needs. I have recommended the Raizer II given what we know about Mr L:

- **User-friendly assembly** – Raizer II can be assembled by one person. The light and sound cues will allow Mrs L to confidently assemble the device herself without having to wait for an ambulance.
- **No physical lifting** – Mrs L is not strong enough to physically lift Mr L. The Raizer II can be assembled around Mr L without Mrs L having to lift him. This protects her from injury and again means she won't have to rely on ambulance callouts if her husband falls. Giving her this independence allows the couple to remain safely together at home. Minimising the number of unexpected visitors to their home will also reduce Mr L's distress after a fall.
- **Seatbelt** – If Mr L does become distressed, the seatbelt will help protect him and Mrs L from injury during a lift. Mrs L can focus on helping him feel calm rather than worrying about a second fall.
- **Low noise** – When Mr L is experiencing confusion, loud noises can make the situation worse. A quiet lifting device is critical for keeping him as calm as possible after a fall.
- **100 lifts on a single charge** – As Mr L is a frequent faller, having a reliable lifting device is critical. Mrs L will not have to worry about charging Raizer II after each use.
- **Trolley and Triple wheel** – The couple live in a two-storey home. Mrs L needs to be able to easily move the lifting device up and down stairs.
- **IP52 Ingress protection** – Due to his incontinence, Mr L has soiled himself after a fall in the past. Protection against fluid Ingress is therefore key.

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EXAMPLE 2 – SP CARE GROUP

SP Care Group has 42 residents living in their North Yorkshire care home. They have large gardens and an additional 6 assisted living apartments on their grounds. A number of residents are frequent fallers and the staff are currently handling 6+ falls a month. This year, two members of staff have taken prolonged sick leave due to back problems. The management team are concerned about staff safety, so implemented a no-lift policy. However, they are reluctant to keep relying on ambulance callouts after receiving complaints from residents' families about long wait times after a fall.

I would like to put forward the following lifting device as it crucially meets all their needs. I have recommended the Raizer II given what we know about SP Care Group:

- **Suitable for outdoor use** – Many residents like spending time in the gardens, so occasionally there are falls outside.
- **No physical lifting** – This will protect staff from injury. By updating their no-lift policy to allow Raizer II use, SP Care Group can reduce their sick leave and ambulance callouts whilst prioritising staff safety.
- **One-person assembly & operation** – There are 48 residents to care for. Enabling just one person to assist after a fall frees up staff time to care for other residents.
- **Under 3 minutes lifting time** – Helping a fallen resident back to their feet quickly reduces the risk of negative health consequences. Being able to respond quickly will also boost relatives' confidence in SP Care Group's ability to keep their loved ones safe and comfortable.
- **100 lifts on a single charge** – SP Care Group respond to a high number of falls. Having a reliable lifting device ready to go in an emergency is critical.
- **Sealed, waterproof materials & hygiene covers** – Any equipment used by SP Care Group must be infection control friendly. All Raizer II components are easy to clean and the hygiene covers prevent cross-contamination between residents.
- **Disassembly, carry case, trolley & bike bracket** – Occasionally, SP Care Group must respond to a fall in one of the assisted living apartments. Having the Raizer II disassembled and stored for easy access allows the staff to respond quickly. By attaching the trolley to the bike, staff can get the Raizer II across the grounds to assist the fallen resident as quickly as possible.

References

[1] Statistical Note: Ambulance Quality Indicators (AQI) 2019,
<https://www.england.nhs.uk/statistics/wp-content/uploads/sites/2/2019/02/20190214-Ambulance-Quality-Indicators-Statistical-Note.pdf>

[2] The Cost of Falls in the UK,
<https://www.yorkshirecareequipment.com/advice-tips/the-cost-of-falls-in-the-uk-with-infographic/>

[3] A two-year longitudinal study of falls in 482 community-dwelling elderly adults,
<https://pubmed.ncbi.nlm.nih.gov/18314565/>