

4,907

46.1%

Office for National Statistics (ONS), released 19 December 2023, ONS website, statistical bulletin, Deaths related to drug poisoning in England and Wales: 2022 registration

SBRI funding via NHS Fife

Phase I: £100K





Sam Cromie, Project Manager



Tim Lewington, Research Associate



Prototype Version 1.0

Attributes:

- Standalone
- Measures stillness
- 103+db Alarm
- Battery-powered
- Sleep mode





Evaluation:

4 focus groups &
9 staff interviews

15 resident &
6 staff interviews

1. Acceptability
2. Hostel context
3. Design

Evaluation:

Information & Consent Form:

What are the risks of taking part?

While the wristband is designed to detect stillness linked to overdoses, at this stage, we don't know if it will work or be effective in attracting help. DO NOT RELY ON THIS WRISTBAND IF YOU ARE AT RISK OF AN OVERDOSE. Use other harm reduction techniques instead.

1. Acceptability:



1. Acceptability:

“Very good idea.”



*So I wouldn't wear it all the time...
if I'm on me own, definitely yes, I will f***ing wear it, mate. 100%. It will go on first then I'll hit the drugs.*

Technical Issues:



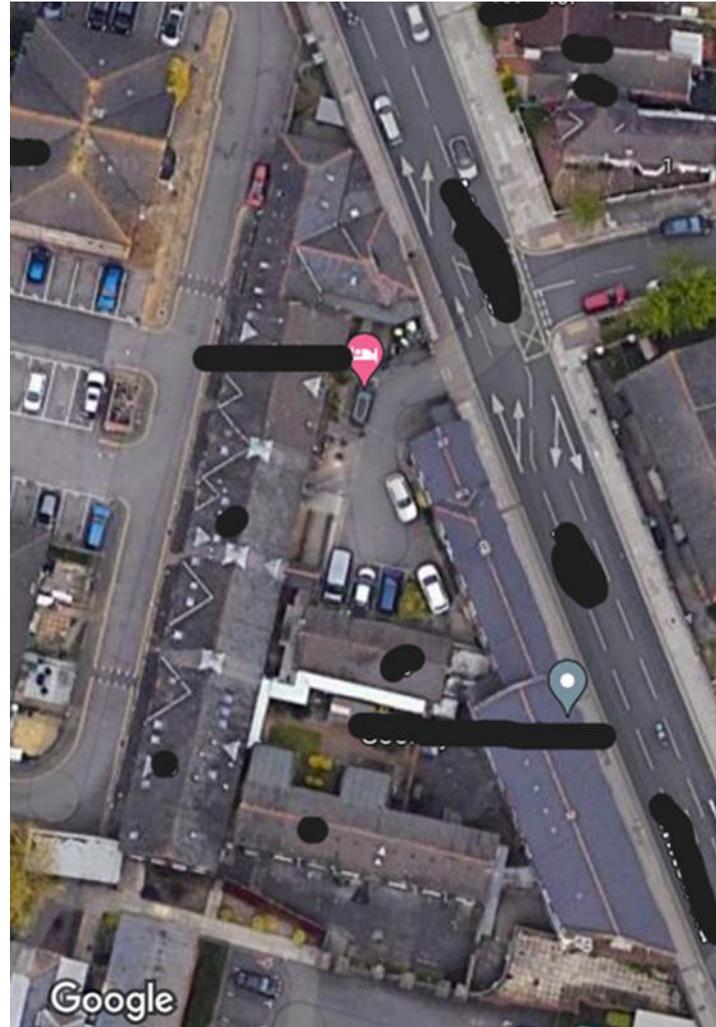
Technical Issues:

Sensitivity of accelerometers



Battery life

2. Hostel Context:



2. Hostel Context:



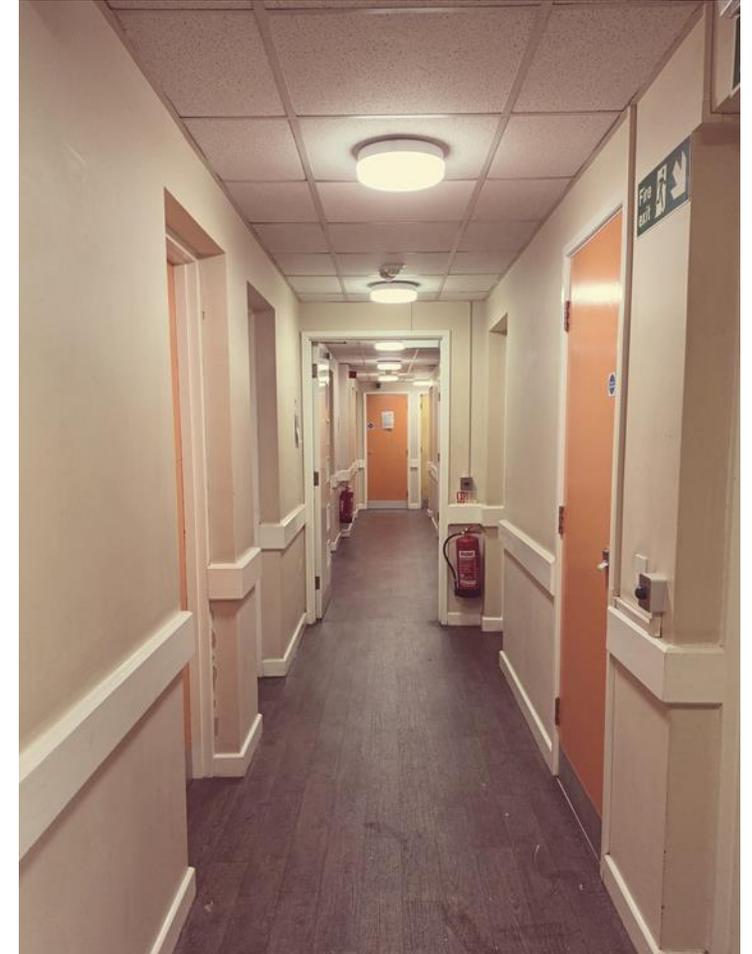
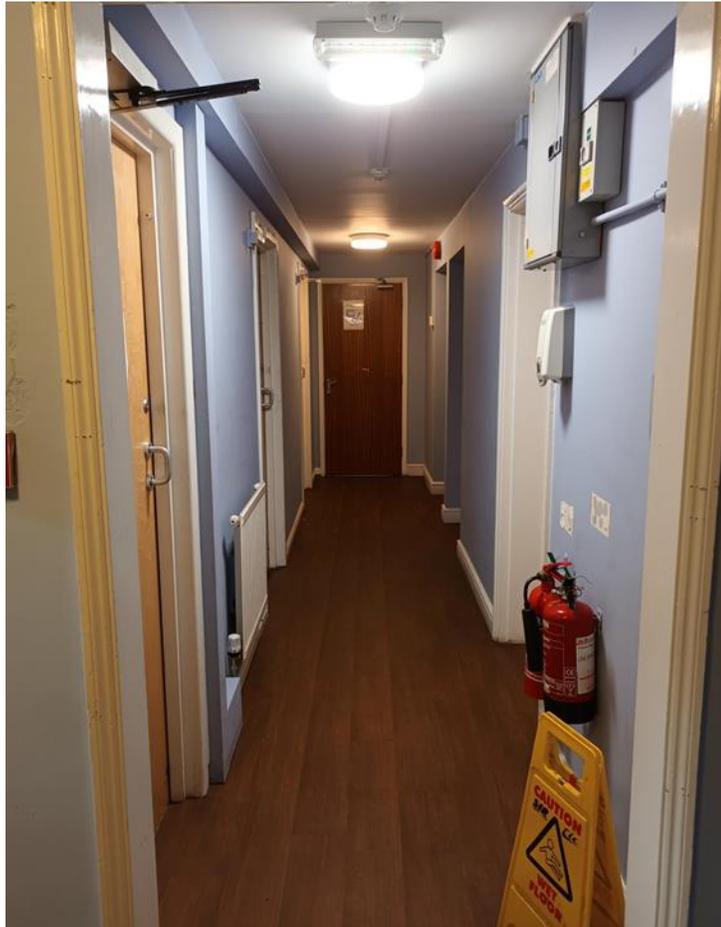
2. Hostel Context:



2 Hostel Context:



2 Hostel Context:



2. Hostel Context:

DO YOU HAVE A HISTORY OF OPIOID USE?

WE NEED YOUR HELP

Join us, 11 October

MISSION
Develop a wristband that reduces the risk of harm caused by overdoses.

The Research & Innovation Dept is working with inclusion and Two Saints to develop a prototype wristband which gives off an alarm if the wearer is still for 3 minutes. **Stillness can be a sign of overdose.** The wristband looks like a plain watch with a single button.

What do we need from you?
We need to hear thoughts and ideas from the people that have lived through opioid use to make sure the wristband is fit for purpose.
Please register your interest with staff.
Participation won't affect the terms of your tenancy, hostel staff are fully supportive of the project.

Why should you come along?

- ✓ This is your chance to make a difference.
- ✓ You can use your experience to drive change
- ✓ And to get involved in technology innovation that could save lives.
- ✓ Drinks snacks and vouchers for all those that attend

Brave **inclusion** **NHS** **Midlands Partnership University** **TWO SAINTS**

DO YOU HAVE A HISTORY OF OPIOID USE?

WE NEED YOUR HELP

Insert date of prototype trial

MISSION
We're looking for volunteers with a history of opioid use to wear a prototype Bio Wristband for a few days and then feedback their views.

HOW TO GET INVOLVED
Please register your interest with staff.
Participation won't affect the terms of your tenancy, hostel staff fully support the project.

£ Vouchers will be provided when you feedback on your experience.

Brave **inclusion** **NHS** **Midlands Partnership University** **TWO SAINTS**

Listen Out!

BE AWARE

ACT

Some residents of this hostel are wearing wristbands that sound a loud alarm if they are still for 3 minutes. This noise could indicate an overdose

If you hear a loud alarm

Find the source

Check for signs of overdose

Alert staff immediately!

FOR MORE INFO CONTACT:
THE FRONT DESK

3. Design:



3. Design:

"...it's just that it's a bit big and chunky."



"It's gonna look like you've got a tag on."

*"... it's not a f***ing watch is it?"*

Summary:



Summary:

Cheap

Simple

Robust

Acceptable

Technical &
Design
feedback for
Version 2



*“I think what
you're doing is
amazing.*

*I think you should
still keep doing it.
I don't think you
should obviously
stop.”*

Summary:

*“We literally heard the buzzer ringing...
It actually saved his life, we were like one-nil to the wrist band! I was actually really happy cos we heard it,... a member of staff was already there. But yeah, he actually, he was OD'd.”*

Thanks for listening.

The views expressed in this presentation are those of the authors and not necessarily those of the funder.



Evaluation team:

Krysia Canvin
Sam Cromie
David Dobel-Ober
Tim Lewington
Sarah Senker

Special thanks to Rebecca Edwards who designed the posters.

Resources:

<https://www.inclusion.org>
<https://research.mpft.nhs.uk/>
<https://www.brave.coop/>
<https://www.twosaints.org.uk/>