

Reducing Drug Deaths National Innovation Challenge



Office for
Life Sciences

Innovation Consortium



Reducing Drug Deaths SHIP Consortium Leadership Group

- Established March 2022
- Based on the triple helix model, the consortium brings together leading experts in substance misuse from health, social care, policy, research and third sector, with industry partners
- Collaboratively identifies and prioritises national gaps or areas of need which could benefit from innovative solutions to reduce the numbers of drug deaths and connect these with investment opportunities.
- Working with UK and devolved governments

Innovation Challenge



£5 million innovation fund

To support development and testing of innovative solutions that focus on **detection** of, **response** to, or **intervention** in potentially fatal overdose occurrences using innovative digital, technologies and therapeutic solutions.

Innovation Challenge



Project can focus on **one or more** of the following themes:

- detection of potential overdose episodes
- alert or response to potential overdose episodes
- intervention therapeutics as antidotes to overdose episodes

Competition details



Competition 1

SBRI: Overdose detection, response and intervention **feasibility**

- This competition is for feasibility study projects which have not yet reached prototype development.
- This is phase 1 of a potential 2 phase competition.
- R&D contracts will be up to £100,000 inclusive of VAT, for projects lasting up to 4 months.

Competition details



Competition 2

SBRI: Overdose detection, response and intervention **demonstration**

- This competition is for projects with technology already at an advanced stage of development, and near ready to be deployed in a real-world environment.
- This is a single-phase competition.
- R&D contracts will be up to £500,000 inclusive of VAT, to develop a prototype and undertake field testing for up to 12 months.

Innovation Priorities



Projects can focus on one or more of the following priorities:

- discrete digital technology solutions with intuitive and simple design, focussed on service users and responders
- simple alert or responder pathways that create effective responses to potentially fatal overdose events
- enhance the ability to self-monitor by people who use drugs
- improved equity of access, detection and response in this vulnerable population through connected and safe digitalised platforms
- enhanced simple live intelligent data gathering processes, surveillance and remote monitoring
- enhance innovative intervention therapeutics as **antidotes to overdose episodes and through an effective delivery and administration system**

Mechanisms and Technologies



- o Wearable devices or patches
- o Remote monitoring
- o GPS receivers
- o Smartphone apps
- o Decentralised application environments
- o AI and machine learning
- o Virtual reality and augmented reality
- o Gamification
- o Data analytics
- o Therapeutics.

NHS Fife Roles and Responsibilities



- **Application process and evaluation**
- **Programme management of awarded projects**
- **Monthly Steering Group**
- **Milestone awards**
- **Performance of projects**
- **Progression to Phase 2**

Challenge Programme



Jan	Feb	March	April	May	Jun	Jul	Aug
Open	Queries	Test bed contact	Close	Evaluation	Moderation	Contract	Projects start

12/20/2016

Thank you