

OpiBud

Opioid Overdose Detection Biochip

OpiBud™ is an innovative overdose prevention system that seamlessly integrates an implantable medical device, a predictive AI model, and a user-friendly digital interface. Designed to support individuals at high risk of opioid overdose, it delivers intelligent, real-time insights to both users and clinicians. By bridging physiological data with intuitive software, OpiBud transforms how we monitor, respond to, and ultimately prevent opioid-related harm.



Key Features



IMPLANTABLE SENSOR

Continuously monitors biomarker data under the skin.



AI-POWERED MONITORING

Uses advanced algorithms to identify overdose events & analyse patient data.



REAL-TIME ALERT SYSTEM

Automatically notifies emergency services and contacts. GPS tracking included.



INTEGRATION WITH NALOXONE

Planned autoinjector feature to deliver life-saving naloxone during overdose events.



PATIENT-CENTRIC DESIGN

Features a user friendly interface designed with patients, HCPs & support networks in mind.



PharmaceuTech
R&D

Our Journey So Far

OpiBud™ is currently in the early stages of development, with significant milestones already achieved. We've successfully bootstrapped our high-power computing setup, begun prototyping the chip, and are actively advancing R&D. Our initial patent has been filed and is now pending, while the OpiBud trademark has been secured. Software development is underway, laying the groundwork for our integrated overdose prevention system. As we continue building on this momentum, we aim to pursue venture capital funding and begin forging strategic relationships with key NHS trusts, public health organisations, and rehab clinics over the coming months.



Over 300,000 people in the UK are estimated to use opioids or crack cocaine, with around 87,000 injecting drugs

INNOVATION FOR
OVERDOSE PREVENTION