

Surgfit™

Reimagining Pre Op Assessment

2025 cohort member



Health Innovation
WEST MIDLANDS



Health Innovation
Yorkshire & Humber

Health Innovation East



Supported by:



Innovate
UK

Business
Growth



Award Winning

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**Start up of Year
2025 Winner**



**One to Watch
2025 Finalist**



**Leeds
Digital
Festival**

**Start up of Year
2025 Finalist**

**The Mayor's
big ideas
challenge**

£1 million challenge funded by the West Yorkshire Combined Authority to accelerate innovative solutions, products, or services to overcome health inequalities among communities in West Yorkshire.

finalist



**Participant
2025-2026**

OUR MISSION

Support the NHS 10-year plan

Improve the quality-of-life and outcomes for patients undergoing surgeries



Deliver new models of care

Shifting assessment into community settings to address

- ✓ Health inequalities
- ✓ Provide access for those who can't attend hospital



Deep subject matter expertise and commercial experience

Over 15 years
experience in starting
and scaling Health &
MedTech startups

Michael Morgan-Curran
Chief Executive



GSMA™

AstraZeneca

ALIVECOR®

sanofi

- Pharma and Lifesciences leadership
- AZ Global Innovation
- GSMA Global mHealth Director
- Non-Exec Director

CTO

Surgical
Advisor

Market
Access
Advisor



MARS

Ramm Mylvaganam

- CTO Mars Inc
- Founder ProZone
- Director AI Abacus



NHS

Professor. David Jayne

- Chair UK's NIHR Health Tech Research Centre in Accelerated Surgical Care
- Chair of Surgery Royal College Of Surgeons
- Chair Surgery Bowel Cancer UK



NHS

Dr. Neville Young

- Director of Enterprise & Innovation at Health Innovation Yorkshire and Humber
- Chair of the National Pathology Imaging Collaborative steering committee



60%

of us will have at least 1
major surgery in our
lifetime*

3 million major surgeries NHS pa¹

310 million worldwide pa²

Problem:
current surgical pre-op
assessment is outdated and
subjective

Resulting in:

- Up to **30%** of surgical patients experiencing complications³
- **1 in 10** patients readmitted to hospital³
- Readmissions cost NHS **£1.3** billion³
- Long wait lists and cancellations³

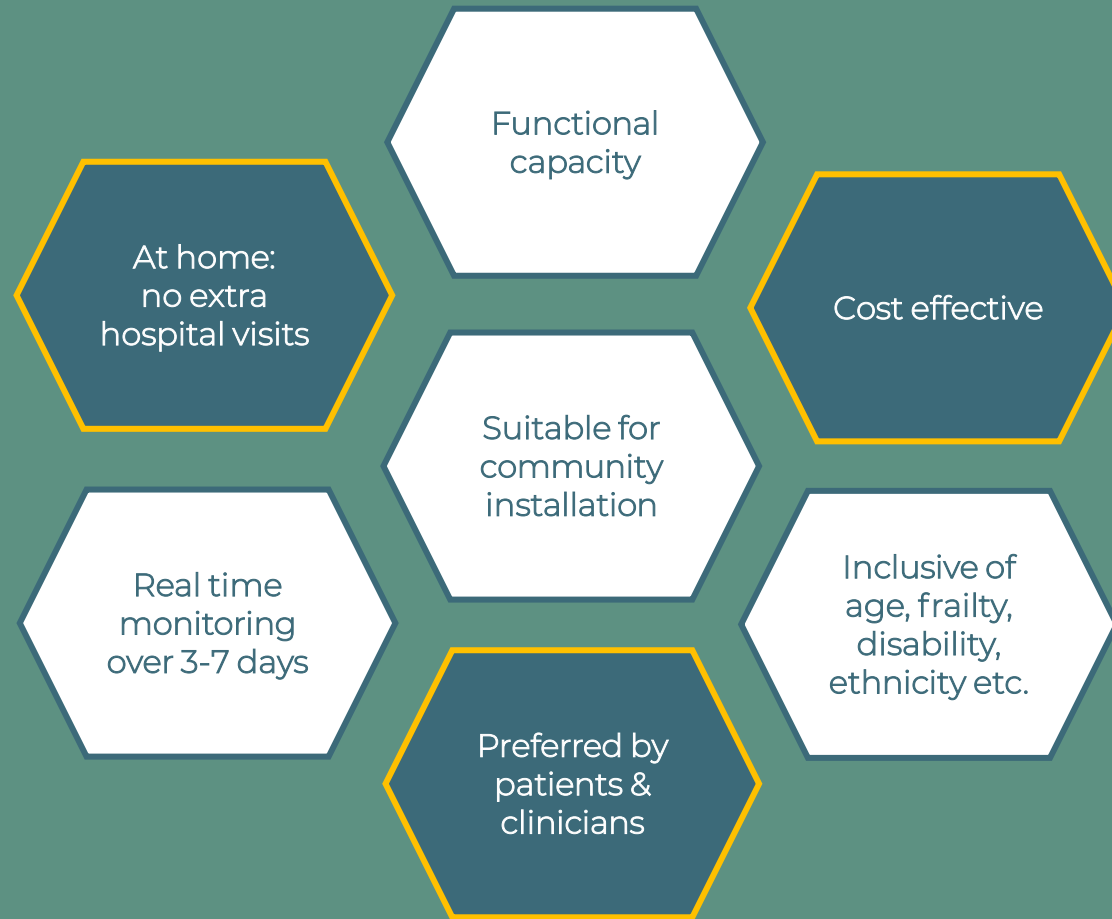


“There is an unmet need by hospitals for inclusive, accurate, patient friendly preoperative assessment tools to enable appropriate risk-stratification of care and clinical decision-making”

Professor David Jayne
Royal College of Surgeons
& NIHR Director

¹ NHS ONS
² WHO 2024
³ References available on request

Advantages of Surgfit™ Remote 'At Home' Assessment



DIGITAL ALTERNATIVE
powered by longitudinal data

Improved clinical decision making

Reduced complication and
readmission rates

Eliminates
80% of the time and
50% of the cost of
preoperative assessment

- ✓ Remote surgical assessment/monitoring
- ✓ Wearable medical device to capture physiological data
- ✓ Software solution
- ✓ Objective decision support reports for Clinicians

Clinically
Validated



Installation



Hospital
Out-patients

Surgfit™

Addresses health inequalities

Installation potential in various community settings

30%

thebmj

covid-19

Research ▾

Education ▾

News & Views ▾

Cam

News

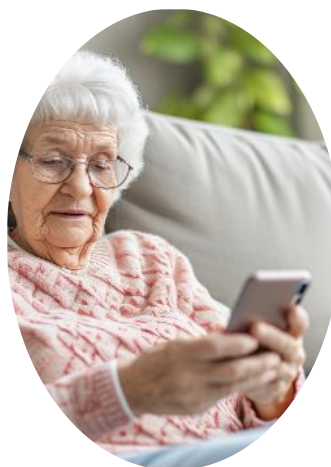
A third of patients miss out on risk assessments before surgery

BMJ 2024 ; 386 doi: <https://doi.org/10.1136/bmj.q2035> (Published 17 September 2024)

Cite this as: BMJ 2024;386:q2035



Hospital
Out-patients



Place of
residence



General
Practice



Pharmacy

Global Competitor Analysis
by Innovate UK Research



- 1. Asclepius have a **distinct value proposition** and **strategic advantage**
- 2. Other technologies available NOT suitable for surgical pre-op assessment (unable to collect physiological + functional capacity data)
- 3. Surgfit™ is 1st to market and positions them as a **leader** in the preassessment technology market.

	Use case	Longitudinal physiological data	Risk Stratification	Complication identification	Functional capacity data	Health Screening	Education
	Surgical Pre-Op Assessment	Yes	Yes	Yes	Yes	Yes	X
Current Hospital practice	Surgical Pre-Op Assessment (inc CPET)	x	Limited	Limited	Limited	Yes	x
	Health Screening & Procedure Education	x	x	x	Yes	Yes	Yes
	Health Screening & Procedure Education	x	x	x	x	Yes	Yes
	Health Screening & Procedure Education	x	x	x	x	Yes	Yes
	Health Screening & Procedure Education	x	x	x	Yes	Yes	Yes
	Pre-Habilitation	x	x	x	Yes	Yes	Yes

* Not routinely used by hospitals



"Offers a significant opportunity to bring pre- operative assessment into the modern world, using its digital capability and remote working to increase efficiency, whilst tackling the growing numbers of patients on elective surgical waiting lists"

Dame Barbara Hakin, DBE, Chair Health Tech Alliance

"Is timely and responding to a clear gap in the current provision. Potential to make a significant contribution to the technical field with positive impacts for a wide range of healthcare providers and UK citizens, with **promisingly high ROI**"

Innovate UK



Clinicians

Game Changer &
Superior Alternative



Patients

90% preference
for Surgfit

Eliminates
80% of the time and
50% of the cost of
preoperative
assessment

Remote 'At Home' Assessment

- ✓ Suitable for all patients
- ✓ Increases service capacity
- ✓ Reduces face to face consultations
- ✓ Prioritises wait lists and reduces cancellations

Clinically
Validated

Meets **NHS 10-Year Plan**

Improves clinical decision making

Reduces complication and
readmission rates





Asclepius
MEDTECH LTD

Reimagining **Pre Op Assessment**

Safer Surgery

Better Outcomes

Reduced Costs

Better Patient
Experience

Michael Morgan-Curran
Chief Executive Officer
mm-c@asclepius-medtech.com
+44 (0) 7540 737188



www.asclepius@medtech.com



info@asclepius-medtech.com