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Planning

## AI Theatre Planning

University Hospitals of Leicester NHS Trust

UK2: Preliminary market engagement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-015402

Procurement identifier (OCID): ocids-h6vhtk-06588a

Published 19 February 2026, 4:07pm

### Scope

### Reference

C425464

### Description

UHL & UHN Group requires the Provision of the AI Services relate to the provision of a Theatre Productivity application built on the FDP canonical data model and deployed entirely within the Trusts' FDP tenant. The Group is seeking to appoint a Service Provider to deliver an AI services pilot that includes the design, deployment, and early-use evaluation of a real time, predictive theatre productivity platform.

### Total value (estimated)

- £1 excluding VAT
- £1.20 including VAT

Above the relevant threshold

### **Contract dates (estimated)**

- 31 March 2026 to 30 March 2027
- 1 year

### **Main procurement category**

Services

### **CPV classifications**

- 72212517 - IT software development services

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## **Engagement**

### **Engagement deadline**

20 March 2026

### **Engagement process description**

UHL & UHN Group requires the Provision of the AI Services relate to the provision of a Theatre Productivity application built on the FDP canonical data model and deployed entirely within the Trusts' FDP tenant.

The Group is seeking to appoint a Service Provider to deliver an AI services pilot that includes the design, deployment, and early-use evaluation of a real time, predictive

theatre productivity platform, including these product capabilities:

Product Capabilities in Scope of Pilot:

- Real time, historical & forecast theatre performance metrics (utilisation, delays, overruns, cancellations)
- AI powered predictive & prescriptive analytics (identifying risks, recommending operational actions)
- Interactive dashboards tailored to clinicians, ops teams, and execs
- Benchmarking across sites & specialties to identify unwarranted variation
- Early Warning System for late starts, overruns, utilisation risks
- Outlier detection (repeated delays, underused theatres)
- Planned vs Actual auto matching to surface operational variances quickly
- Impact tracking to measure which interventions work
- Conversation AI for generating custom insights
- Digital twin for demand, schedule, attendance
- Seamless FDP integration using UHL & UHN canonical data model
- Standardised definitions & metrics to support consistent decision making
- Employ and train users; and provide change management support for successful adoption including but not limited to communications, SOPs, training, floor-walking, post-go live support

Services in Scope of Pilot:

- Co-design with UHL & UHN Theatre Operational, Clinical, and Improvement teams
- Deployment within UHL & UHN FDP tenant
- Governance & assurance activities (NHSE IG, UHL & UHN Tech Design Assurance, IG, Cyber, clinical safety, and AI Governance)
- Operational improvement support and KPI baseline setup

- Product development to MVP and incremental feature releases (subject to scoping and timelines agreed to by project team)
  - Evaluation of benefits jointly with UHL & UHN
  - Training, user adoption support, and theatre operational enablement
  - Participation in NHSE FDP solution exchange
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## **Participation**

### **Particular suitability**

Small and medium-sized enterprises (SME)

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## **Submission**

### **Publication date of tender notice (estimated)**

30 March 2026

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## **Contracting authority**

### **University Hospitals of Leicester NHS Trust**

- Public Procurement Organisation Number: PWXN-8614-MPHH

Leicester Royal Infirmary

Leicester

LE1 6WW

United Kingdom

Contact name: Peter Burlingham-Hall

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Website: <https://www.leicestershospitals.nhs.uk/>

Region: UKF21 - Leicester

Organisation type: Public authority - central government