



Designed With Clinicians,
For Clinicians



Voice-Guided Workflow

Voice-Guided Workflow For Clinical Procedures

The Problem

- Clinical documentation is time consuming, error prone and inconsistent, costing the NHS >£3.0Bn per annum (*source: NHS Resolution*)
- An average of 15-20 mins are lost per procedure to form filling, equating to 3,000+ hours per Trust per year (*source: BMA*)
- 85% of surgical incidents relate to poor communication and documentation (*source: NHS Improvement*)
- Each 'never event' costs on average £612,000 (*source: NHS Resolution*)

The Solution

- Voice-Care is a digital, hands-free, voice-guided solution designed for clinical environments
- It automatically records and transcribes LocSSIPs and procedural checklists in real-time, providing 100% compliance
- It fully integrates into Trust governance systems and EPRs

How It Works

- Clinicians use an in-theatre mic/speaker or discreet headset
- Voice-Care issues and records procedural safety checks (e.g. WHO, LocSSIPs, NatSSIPs, CVAD) via voice commands and responses
- All steps are transcribed, timestamped and logged automatically with patient data and photos; securely stored, auditable and ready for EPR upload



100%
compliance



30%
productivity
gain



5-8 hours
regained per week
for patient care

Benefits and Outcomes

- Up to 90% time saved on documentation - no more pen and paper or post-op admin catch-ups
- Regain 5-8 hours a week for patient care
- Immediate confirmation that safety steps were followed, without disrupting workflow
- Improved focus on patient care - no eyes on forms or screens during high-risk procedures

Case Study

- Voice-Care was piloted at the Imperial College Healthcare Trust (ICHT), led by Head of Specialty for Vascular Surgery & Services Dr. Sadie Syed, to digitise the 40-step CVV line insertion into a guided workflow, ensuring 100% LocSSIPs compliance and real-time patient record updates
View the ICHT Video Testimonial [here](#)
- The solution enables the full tracking and traceability of the entire CVV line insertion procedure, enabling an accurate and comprehensive audit trail for each patient
- The results of implementing the solution have been far-reaching for ICHT, with it being described as a 'game changer' and a 'must have'



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Why the NHS Should Adopt the Voice-Care Operating Theatre System

The NHS faces major pressures in surgical safety, workforce efficiency, documentation accuracy and compliance. Voice-Care directly addresses these challenges with a solution that improves safety, reduces administrative burden and supports national digital priorities.



1. Improves Surgical Safety and Compliance

- ✦ Standardises WHO Surgical Safety Checklist completion with voice-guided prompts
- ✦ Ensures every step is completed and recorded — no missed checks; no manual variations
- ✦ Strengthens patient safety by reducing avoidable 'critical incidents' and near-misses
- ✦ Provides a consistent audit trail, vital for CQC inspections and GIRFT improvement work

Benefit: Safer theatres, lower risk, stronger regulatory alignment



2. Eliminates Manual Documentation Errors

- ✦ Automatically captures and stores checklist confirmations in the patient record (EPR or theatre system)
- ✦ Removes handwriting errors, missing signatures and incomplete paperwork
- ✦ Supports litigation defence, incident investigations and quality assurance

Benefit: More accurate notes and defensible clinical documentation



3. Saves Time for Surgeons, Nurses and ODPs

- ✦ Reduces the administrative load in theatres by automating checklist capture
- ✦ Frees staff from scribbling notes or hunting for forms
- ✦ Speeds up turnaround between cases through smoother workflow

Benefit: More theatre time used for surgery, not admin



4. Enhances Theatre Efficiency and Reduces Delays

- ✦ Real-time voice guidance keeps teams aligned and focused
- ✦ Minimises communication gaps in multi-disciplinary teams
- ✦ Reduces delays caused by missing paperwork, missing information or inconsistent process execution

Benefit: Higher throughput and fewer workflow disruptions



5. Provides High-Quality Data for Audit and Quality Improvement

- ✦ Creates structured, real-time data sets from the WHO checklist and theatre workflow
- ✦ Enables reporting on compliance, safety trends and bottlenecks
- ✦ Supports Trust-wide QI, GIRFT metrics and ICS-level transparency

Benefit: Better insights, better governance, better outcomes



6. Aligns with NHS Digital and Workforce Priorities

- ✦ Supports NHS 'less admin, more care' mission
- ✦ Contributes to digital transformation, automation and adoption of AI-enabled tools.
- ✦ Helps mitigate workforce shortages by reducing non-clinical workload
- ✦ Strengthens theatre culture by improving team communication and standardisation

Benefit: Delivers on NHS Long Term Workforce Plan and digital transformation goals



7. Low Infrastructure Burden and Easy to Deploy

- ✦ Voice-Care works on simple, affordable hardware — no complex surgical IT redesign required
- ✦ Integrates with existing theatre systems and EPRs
- ✦ Minimal training required — highly intuitive for clinical staff

Benefit: Fast implementation with minimal disruption



8. Cost-Effective by Reducing Clinical and Operational Risk

- ✦ Avoidable surgical errors, documentation gaps and non-compliance create:
 - litigation exposure • patient harm • extended length of stay • cancelled operations • regulatory penalties
- By standardising and automating surgical workflow, Voice-Care reduces these high-cost failure points

Benefit: Strong ROI through reduced risk and operational waste



9. Supports Cultural Improvement in Theatres

- ✦ Voice-guided steps improve teamwork, communication and clarity
- ✦ Helps eliminate variability between teams and Trusts

Benefit: More reliable, unified theatre practice

Voice-Care helps the NHS deliver safer, more efficient surgeries by automating the WHO Surgical Safety Checklist, reducing errors, strengthening documentation and freeing clinical staff from administrative burden.