

Launch of the National Registry of Hearing Implants (NRHI): Update on the first six months of the CI arm and next steps

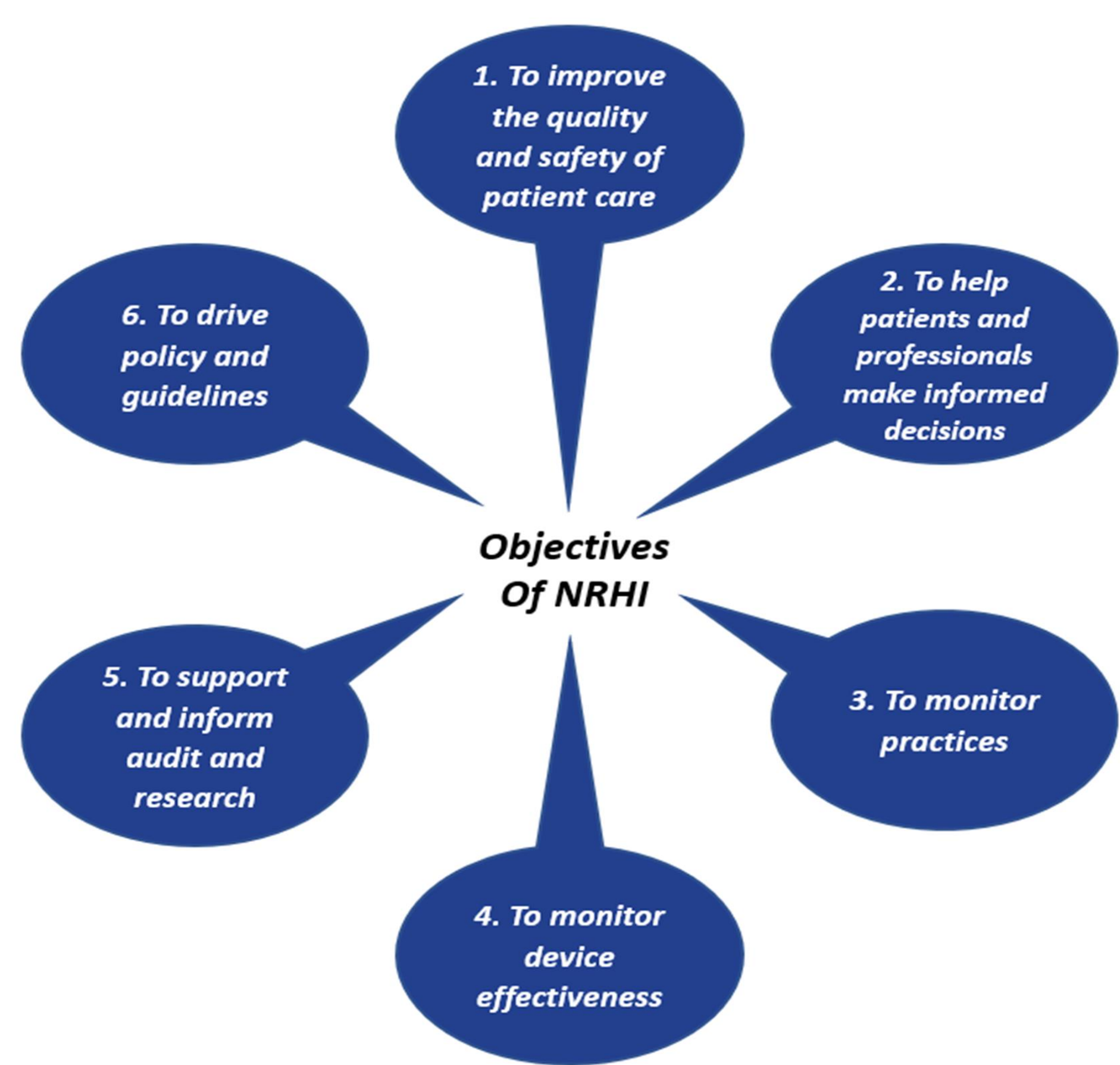


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Background

The NRHI aims to use data to improve patient safety and quality of care for hearing implant users. It has been developed under the NHSE Outcome Registries Programme (ORP), created in response to the Cumberlege review (2020). The registry was launched in June 2025 for cochlear implant surgeries, following a short pilot. All English CI centres are now entering data.

Fig 1: NRHI Objectives



Implantable Acoustic Devices (BCHI / MEI)

As class IIb/III implanted medical devices, acoustic implants are within scope of the ORP and will soon be incorporated into the NRHI. All English centres implanting these devices will be required to enter their data once this arm is launched in 2026/27. Full training will be provided to support teams.

Next Steps:

- ❖ Completion of the dynamic dashboard for CI arm
- ❖ Case ascertainment exercise to review compliance with data entry
- ❖ Update clinical manual to clarify management of non-routine scenarios
- ❖ Production of first static annual report
- ❖ Introduction of patient-reported outcome measures (PROMs) into NRHI
- ❖ Development of data and analytics capability including outlier analysis
- ❖ Development of data-entry platform and dashboard for BCHI, MEI and ABI
- ❖ Development of data-access request process for research
- ❖ Wales, Northern Ireland and Scotland: governance agreements and rollout

Results

Data submitted by 30th October 2025:

Form	No. Submitted
Pre-operative	461
Surgery	319
Complications	104
1 year review	379
5 year review	233

Reported complications by period:

- ❖ 9 - Immediate peri-op
- ❖ 61 - Early post-op (<4 weeks)
- ❖ 46 - Late post-op
- ❖ **Total: 116**, from 13 centres

Immediate peri-op complications:

- 2 – Failure to fully insert implant
- 2 – Dizziness / vertigo
- 2 – CSF leak
- 2 – Injury to canal wall / eardrum
- 1 – Injury to tegmen

29 different complication types were reported across all time-points

Commonest complication (N=21):
Dizziness / vertigo / imbalance

Feedback to date:

- Suggestions for new data fields
- Clarification on management of re-implants and sequential implants
- Identification of bugs and glitches

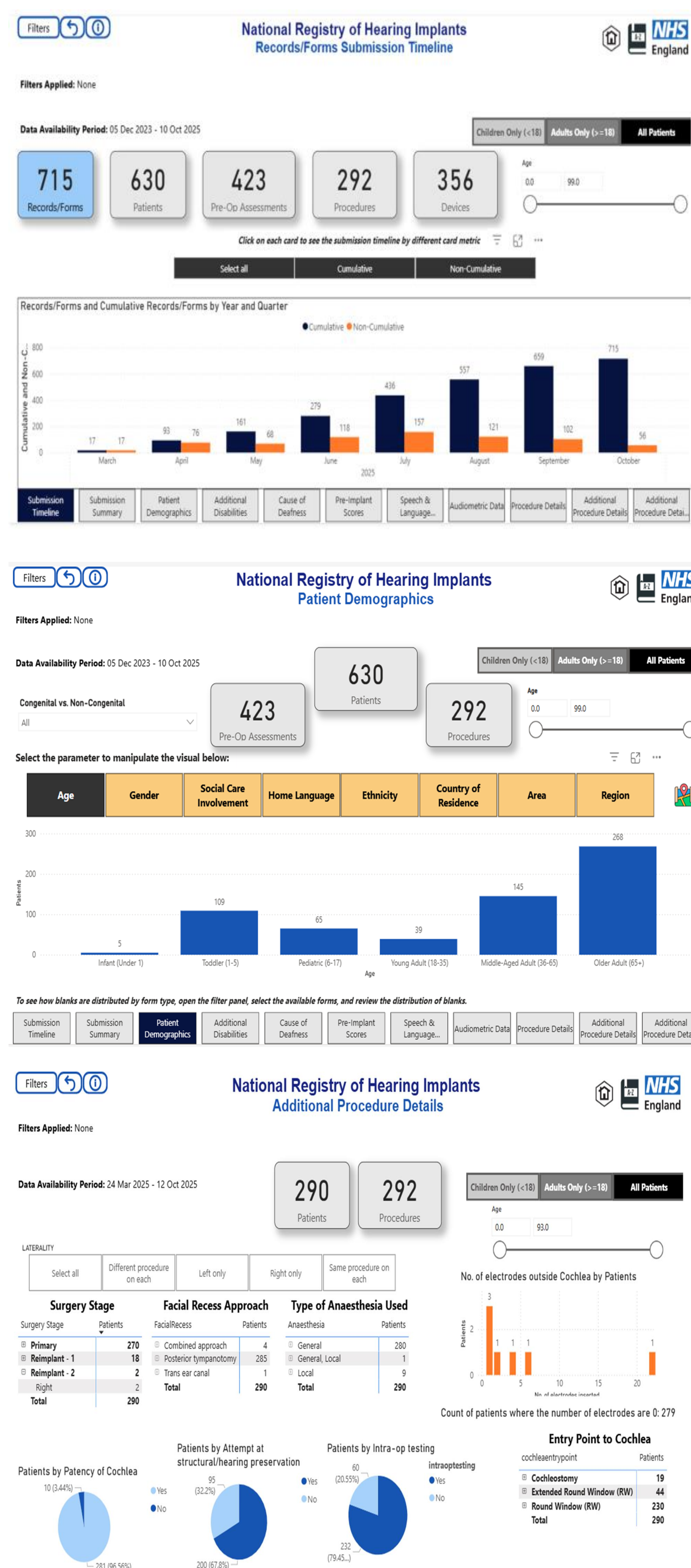
To provide your valuable feedback, please email:

England.support.outcomeregistries@nhs.net

Dynamic Dashboard

Access to the dashboard will be controlled by defined user role/s. Centres will be able to view their own data and combined National data in real time. The dashboard allows filtering by a wide range of criteria to allow interrogation of the submitted data. Only Registry ‘super users’ will be able to view all clinics’ data individually. The dashboard should be launched in early 2026.

Fig 2: Sample dynamic dashboard pages



References:

First Do No Harm: The report of the Independent Medicines and Medical Devices Safety Review (2020)
<https://www.immdsreview.org.uk/>