How To Access The BSO Tympanoplasty Registry

BSO
BRITISH SOCIETY OF OTOLOGY

Introduction

- This document summarises how to access and use the BSO tympanoplasty registry

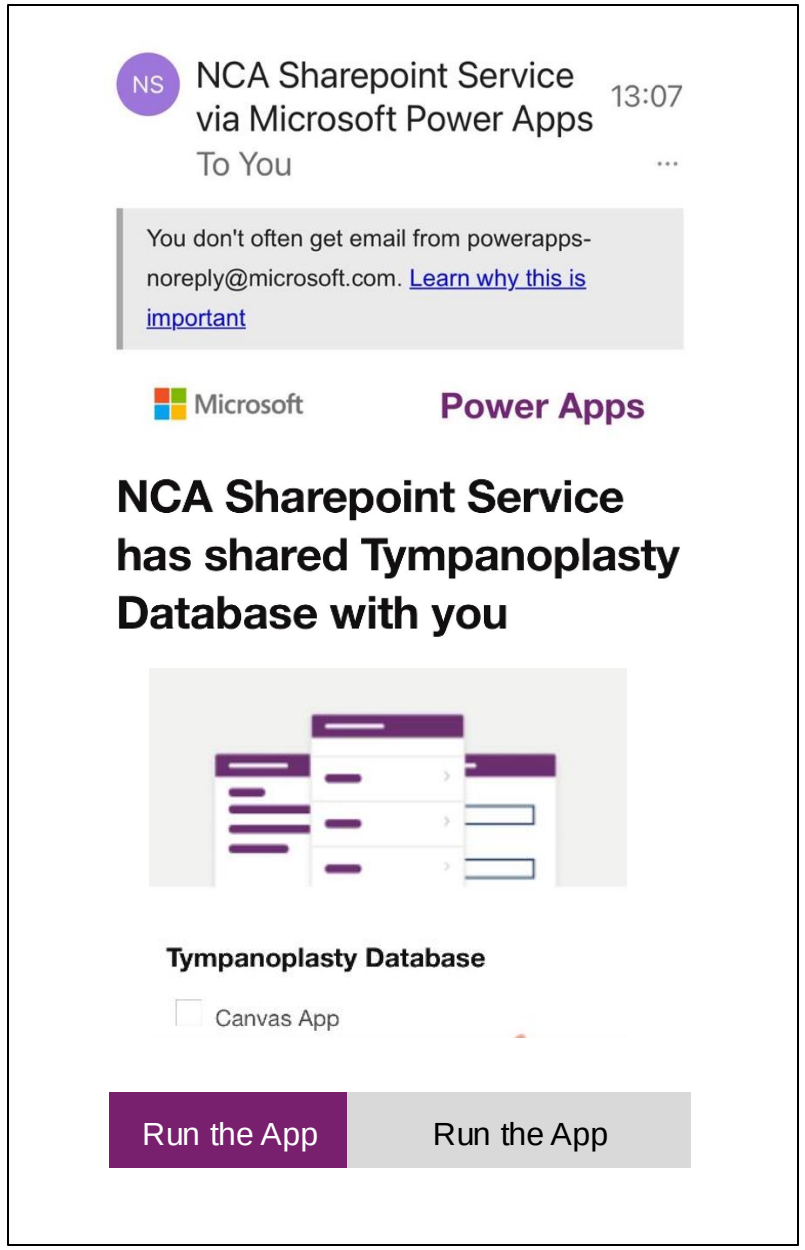
1. Email Simon Lloyd at sklloyd@me.com or simon.lloyd@mft.nhs.uk via your work email so that you can be added to the registry user list. Your work account must be linked to a Microsoft Office 365 license in order to access the registry

2. Northern Care Alliance (NCA) NHS Trust (where the registry is hosted) information technology department will then add you to their user list. This may take up to 5 days.

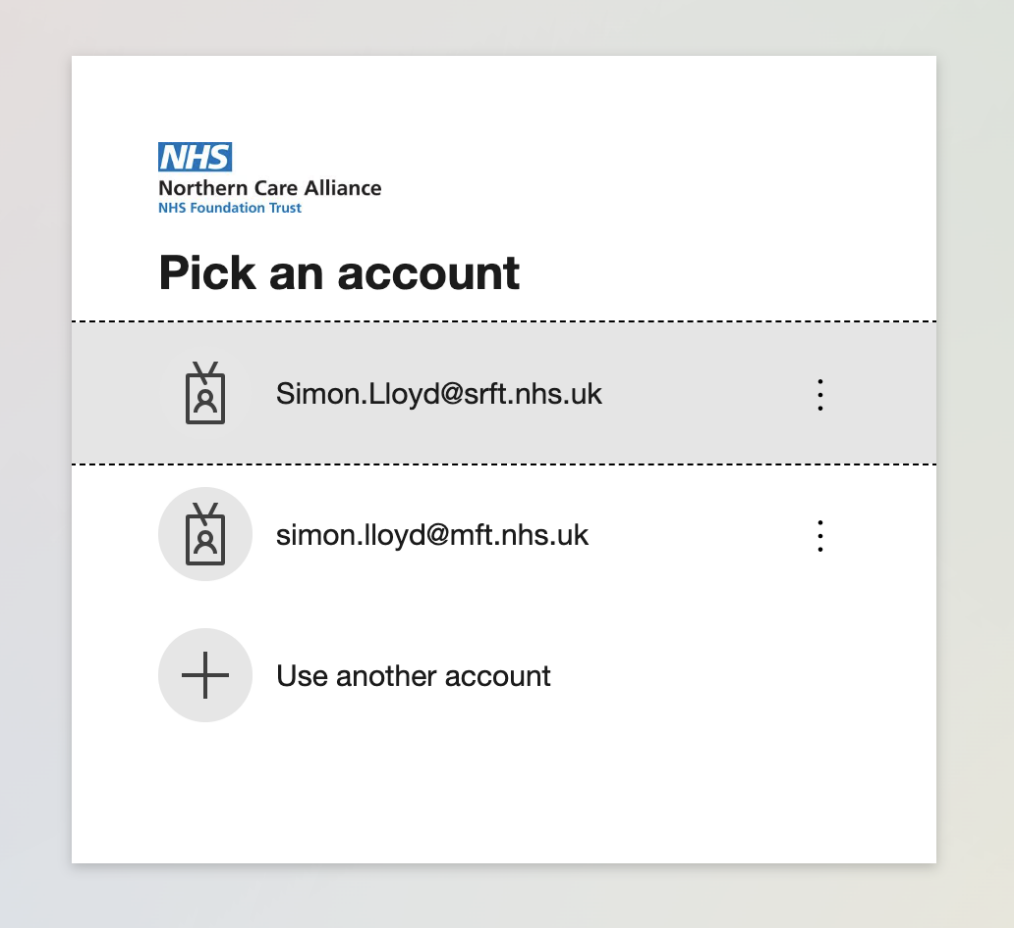
3. Once you have been added to both user groups you will receive an email from NCA Sharepoint confirming that you have been given access to the registry. Click ‘Run the App’ on the email to access the registry.

4. You can save the web address to your favorites to make access easier. The address is:

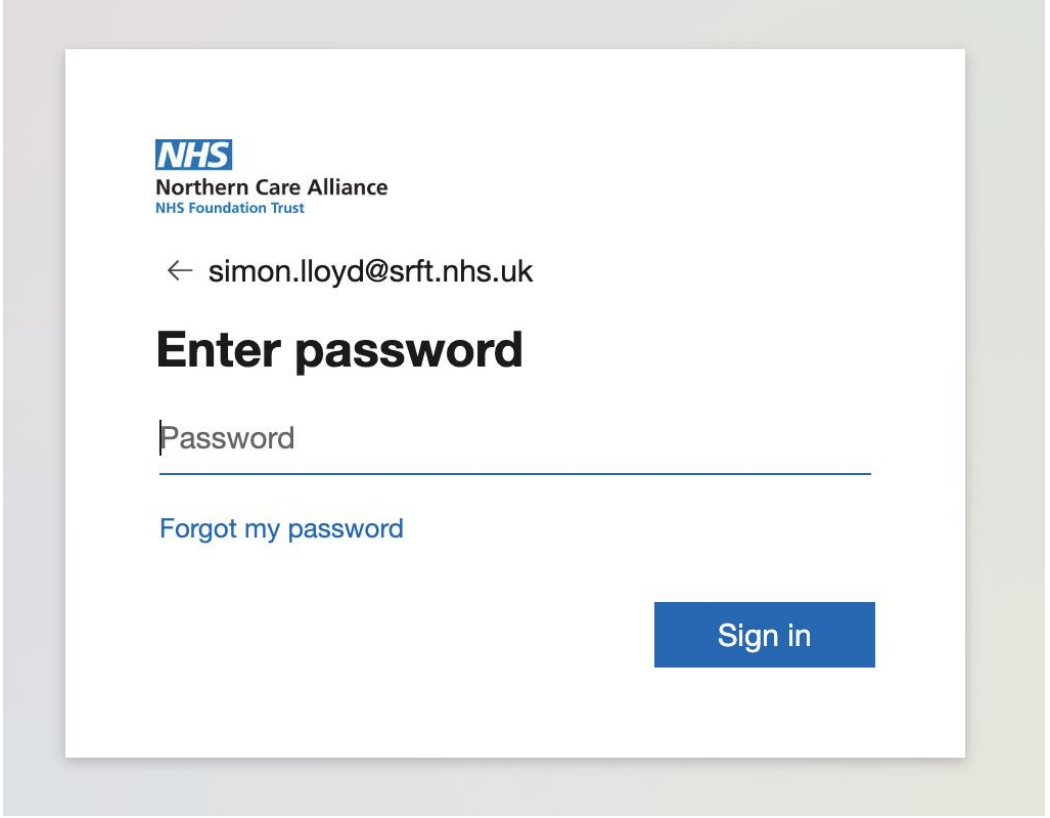
   https://apps.powerapps.com/play/e/default-9a12677e-c2e9-4deb-a58a-ee1c59ac0161/a/77be30a0-0d90-4c96-8f0d-878b5ed7a718?tenantId=9a12677e-c2e9-4deb-a58a-ee1c59ac0161&hint=d9695665-a92c-4035-bc80-ca35557c1d35&sourcetime=1713360613269



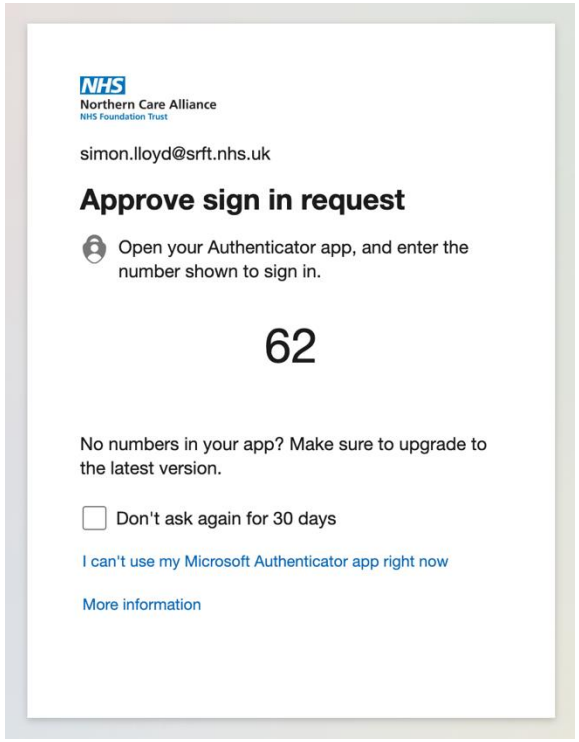
5. Choose the account you are accessing the registry through

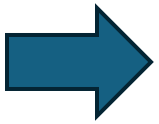


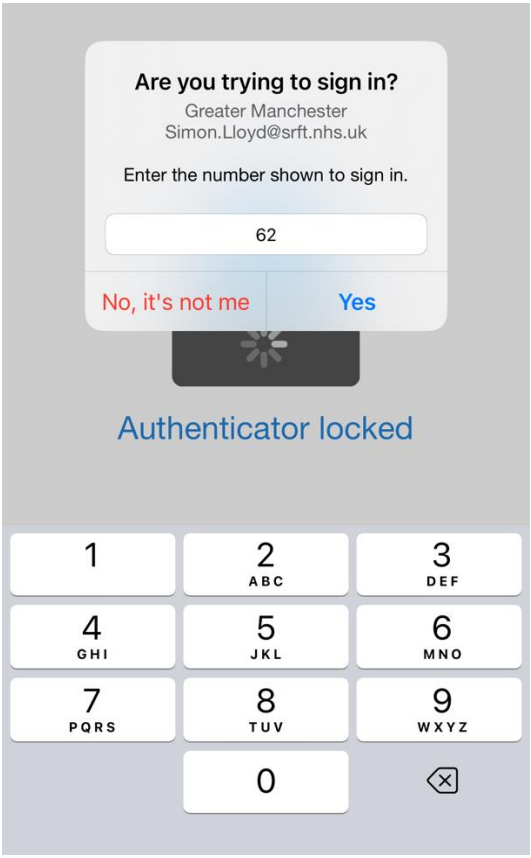
6. Enter your account password



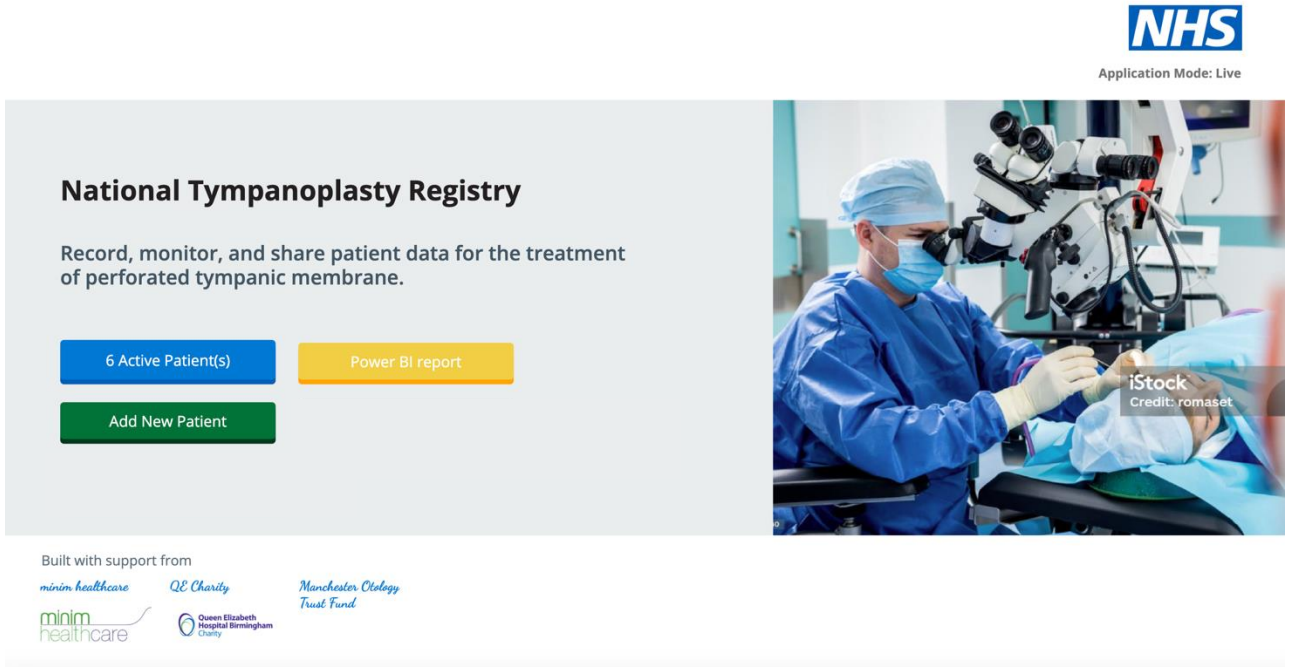
7. You will then be asked to enter an authenticator code into the Microsoft Authenticator Application. This can be downloaded from the App Store (or equivalent)





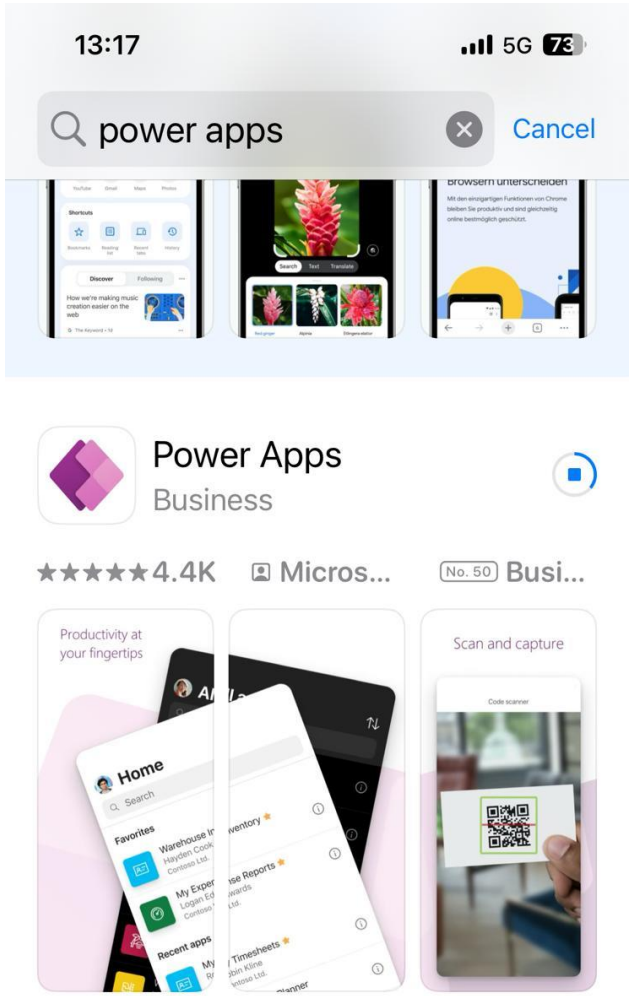


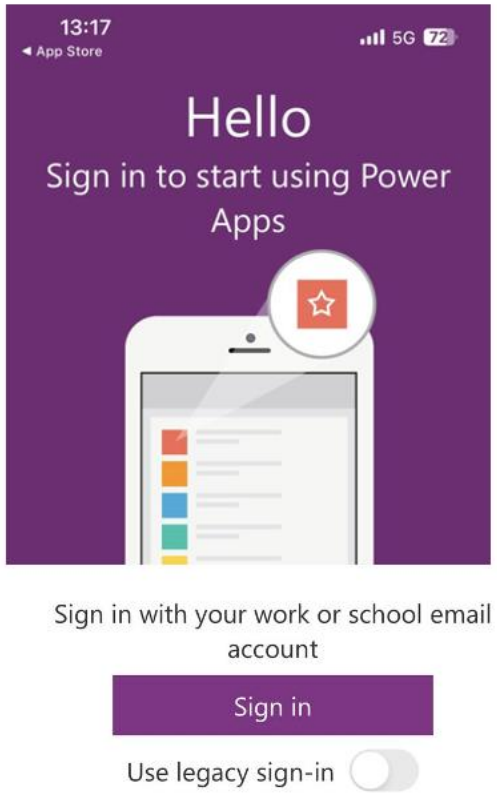
8. You can then start using the registry
9. To add a new patient click ‘Add New Patient’
10. To view your existing patients click ‘Active Patients’
11. To view your outcomes and the national benchmark data click’ Power BI Report’

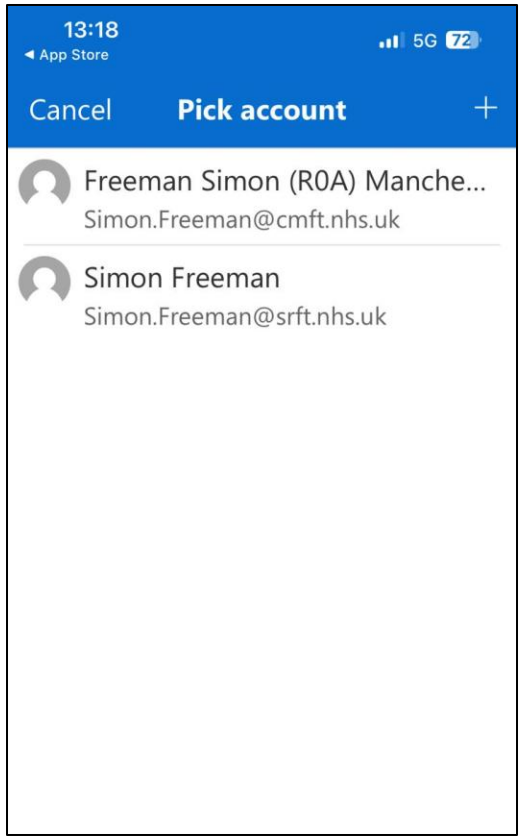


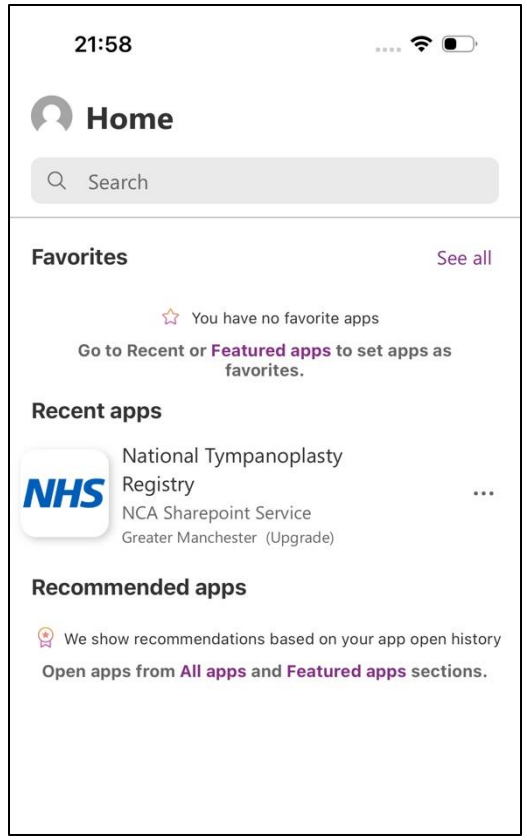
How To Access The Registry On Mobile Devices

1. Download the Power Apps application from the App Store (or equivalent)









2. Click on the Power Apps application

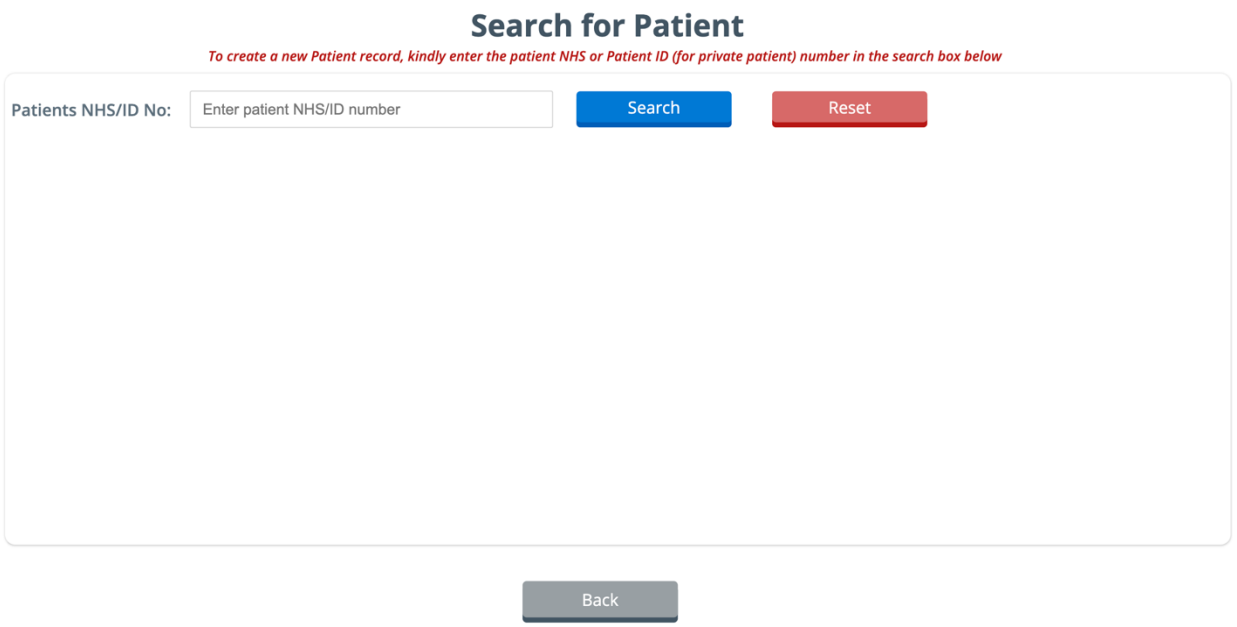
3. Click ‘Sign In’ and select the account that you are using to access the registry

4. Click on the ’National Tympanoplasty Registry’ application

5. You can also access the registry using the QR code opposite

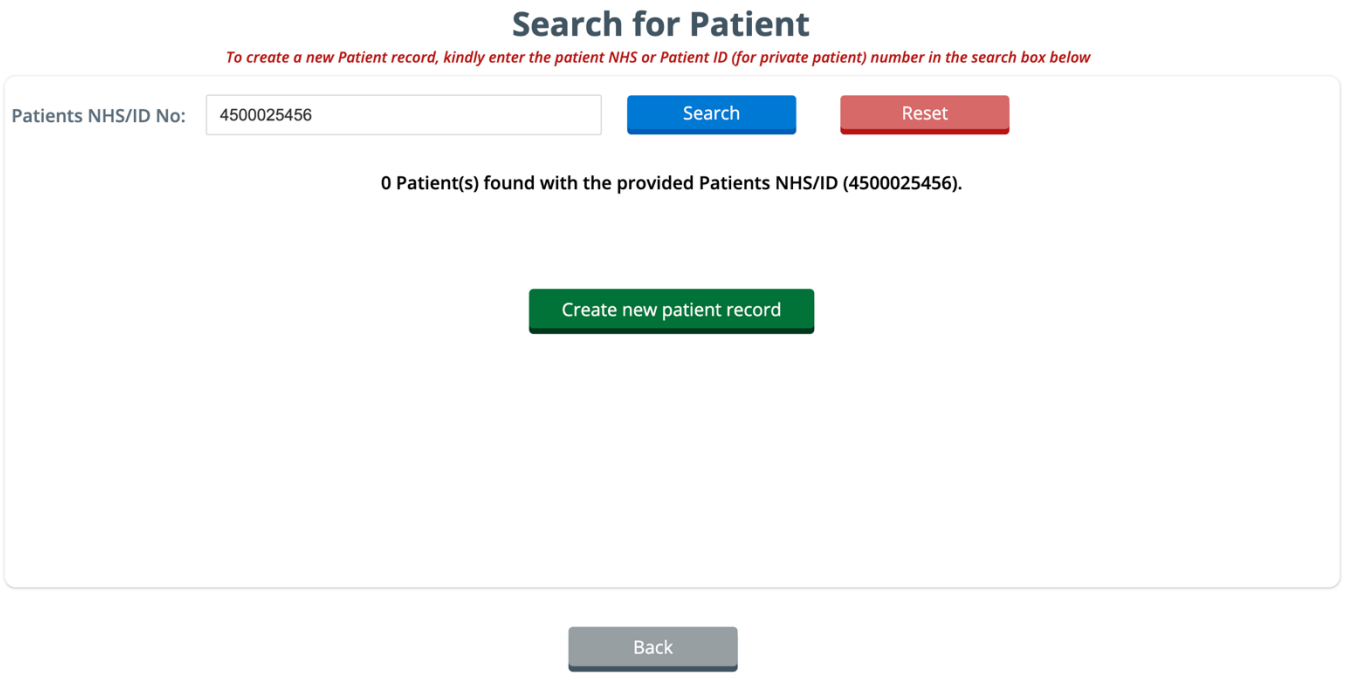
Adding A New Patient To The Registry

1. After clicking on ‘Add New Patient’ on the home page, enter the NHS number for the patient and then click ‘Search’
2. If they are not an NHS patient then enter the hospital number
3. This identifies any previous entries for that patient in order to avoid duplicate entries



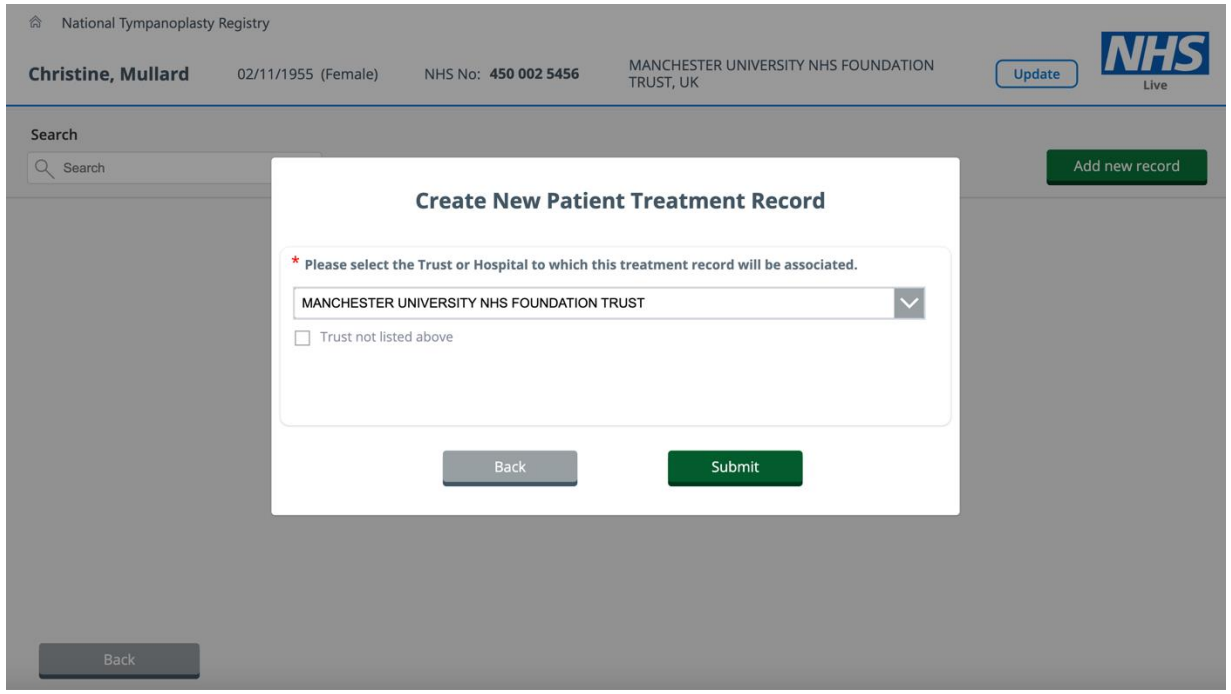
4. If there are no previous entries for the patient then a button entitled ‘Create new patient record’ appears.

5. Click on ‘Create new patient record’ to start to enter the new patient’s details



6. You will be asked to select the Trust at which the patient is being treated. Select the appropriate Trust from the drop-down menu and click on ‘Submit’. This will take you to the patient details page

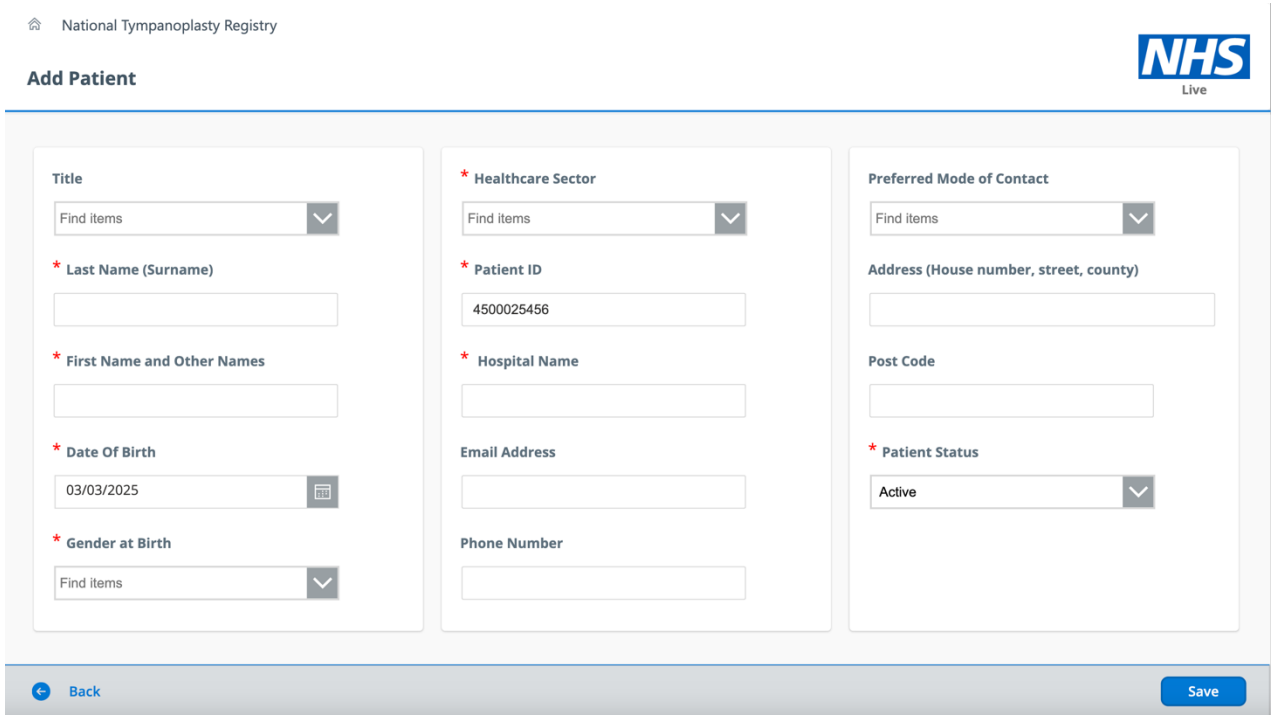
7. If the patient is not an NHS patient, tick the ‘Trust not listed above’ button. This will allow you to enter the hospital at which they are being treated as free text



8. Once you have submitted the details of the hospital at which the patient is being treated, you will be able to enter the patient's details as shown opposite

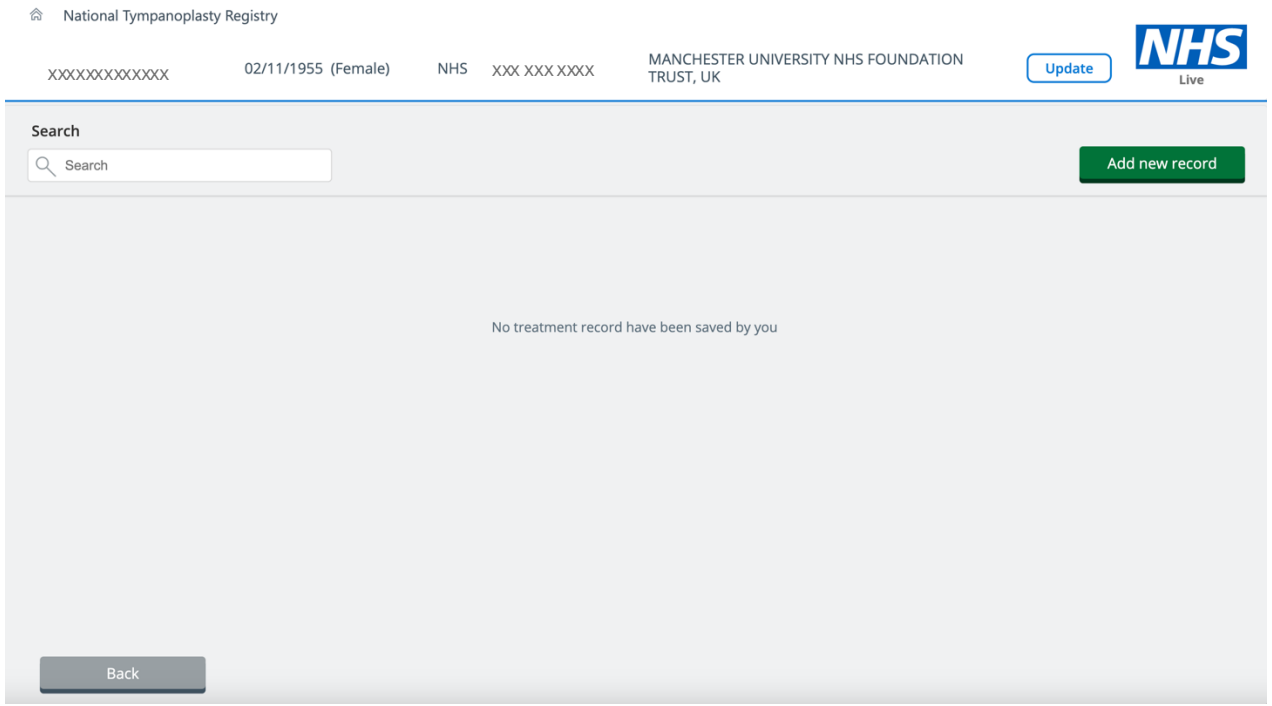
9. Mandatory fields are highlighted with a red star

10. Once the fields are complete click 'Save'



11. Click on ‘Add new record’

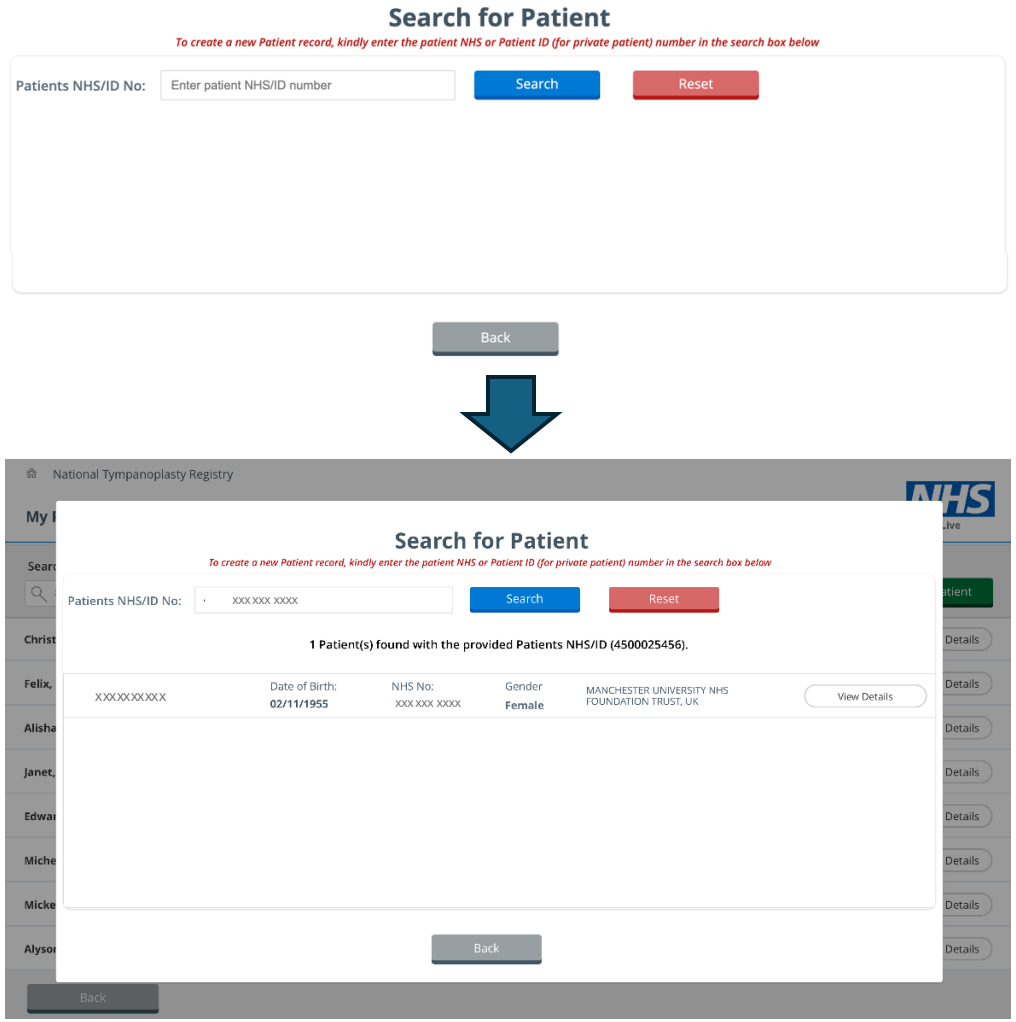
12. This will take you to the ‘Pre-operative’ data entry page and you can start entering the patient’s data



Adding A New Entry For A Patient Who is Already On The Registry

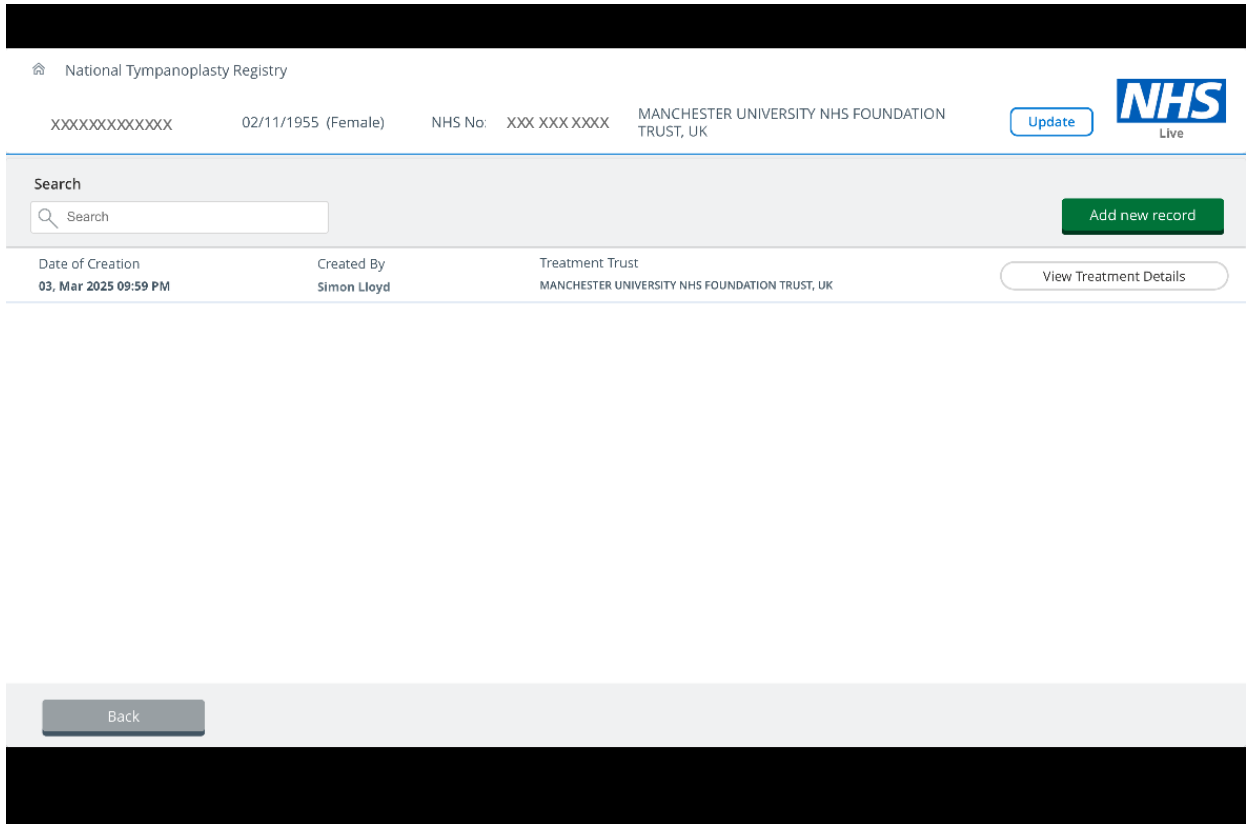
- If a patient is already on the registry, even if their treatment was elsewhere, their details will come up when you do the initial search

- Click on ‘View Details’ to bring up a list of the previous entries’



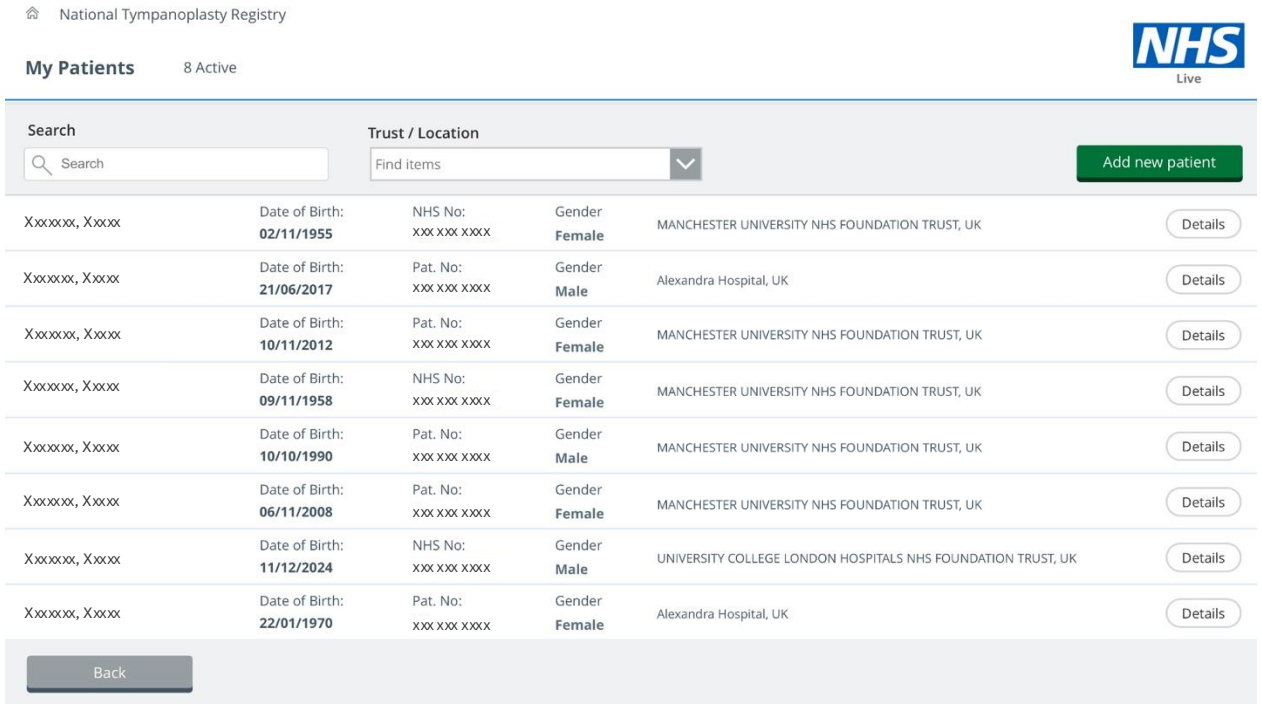
- To view the details of the previous entry click on ‘ View Treatment Details’

- To create a new entry, for example, if you are re-operating on an ear that has been previously entered or if you are operating on the opposite ear, click on ‘Add new record’



To View Your Existing Patients

- After clicking on ‘Active Patients’ you will see the page shown opposite.
- To view an existing database entry click on ‘Details’. This will take you to the data entry pages and allow you to enter or up date the data.
- You can also add a new patient from this page.



Data Entry

- The following pages show the main 3 data entry pages
- Mandatory fields are marked with a red star
- Most fields have a drop-down menu or radio buttons to make data entry easy and more consistent
- There are a few free text fields
- Audiology data must range from -20 to 120dB
- There is a patient-reported outcome measure (PROM) on the post-operative page to allow surgeons to record PROM data. This utilizes tick boxes
- Multiple post-operative entries are possible. To add a new post-operative entry click on ‘Add new’ in the top right-hand corner of the post-operative page.

National Tympanoplasty Registry

09/11/1958 NHS No: MANCHESTER UNIVERSITY NHS FOUNDATION TRUST, UK Update

NHS Live

Pre-operative | Operative | Post-operative (1) ACTIVE

*** Date of diagnosis**
11/12/2024

Age at diagnosis
66 Year(s)

*** Size of perforation (%)**
50

Smoker
No

*** Side**
Right

Position
Posterior

*** Previous ipsilateral tympanoplasty**
No

Aetiology
COM

Drum remnant tymanosclerosis
No

Associated ossicular erosion
None

Associated retraction
No

Marginal adhesions
○ Yes ◉ No

Co-Morbidities
None

Comments
None

Pure Tone Audiology

Ipsilateral	500Hz	1 kHz	2 kHz	3 kHz	4 kHz	Average
Bone conduction	30	30	65	75	65	0
Air conduction	45	80	90	105	100	0
Air Bone Gap	0					

Note: BC and AC Max value: 120, Min value: -20

Contralateral	500Hz	1 kHz	2 kHz	3 kHz	4 kHz	Average
Bone conduction	30	30	65	75	65	53
Air conduction	40	35	85	105	95	72
Air Bone Gap	19					

Note: BC and AC Max value: 120, Min value: -20

National Tympanoplasty Registry

09/11/1958

NHS Live

Pre-operative | **Operative** | Post-operative (1) ACTIVE

* **Date of surgery**
11/12/2024

Age at surgery
66 Year(s)

Surgeon
Consultant

Anaesthetic type
General anaesthetic

* **Visualisation**
Microscope

Ear Dry
(•) Yes ( ) No

* **Approach**
Permeatal

* **Approach technique**
Underlay

* **Type of canal incision**
Posterior tympanomeatal

Peri-operative antibotics used?
Both

Tympanosclerosis removed
( ) Yes (•) No

* **Repair Materials**
Cartilage with peric… More

Other (Add material)
N/A

* **Ossicular Repair Method**
None

Type of ORM (N/A)

Prosthesis Length

Prosthesis Material

Other Prosthesis Material
N/A

Manufacturer and Model
N/A

Footplate support
( ) Yes ( ) No

Middle ear adhesions
( ) Yes (•) No

Middle Packing
None

Other (Middle Packing)
N/A

Ear Canal Packing Materials
Gel Foam or equiv

Other (Packing Materials)
N/A

Silastic sheeting to TM
(•) Yes ( ) No

Anterior support
None

Other (Anterior support)
N/A

Handle of Malleus
TM elevated

Marginal/Area of margin involved
None

Comments
Slight erosion of LPI but still in contact with SS

National Tympanoplasty Registry

09/11/1958

NHS Live

Pre-operative | Operative | Post-operative (1) ACTIVE | 180 Day(s) since last follow up | Add new

11/12/2024

* **Date of follow up**

06/08/2024

Duration between follow up

0 Day(s)

* **Ear Dry**

Yes

* **TM Intact**

Yes

Size of residual perforation (%)

Location of perforation

Post-operative antibiotics

None

Myringitis

No

Comments

Pure Tone Audiology

Ipsilateral	500Hz	1 kHz	2 kHz	3 kHz	4 kHz	Average
Bone conduction	40	35	70	70	70	57
Air conduction	45	50	85	100	105	77
Air Bone Gap	20					

Note: BC and AC Max value: 120, Min value: -20

12 COMBI QUESTIONNAIRE DEVELOPMENT AND VALIDATION

Since your operation/intervention, has the discharge or drainage from your ear been better or worse?

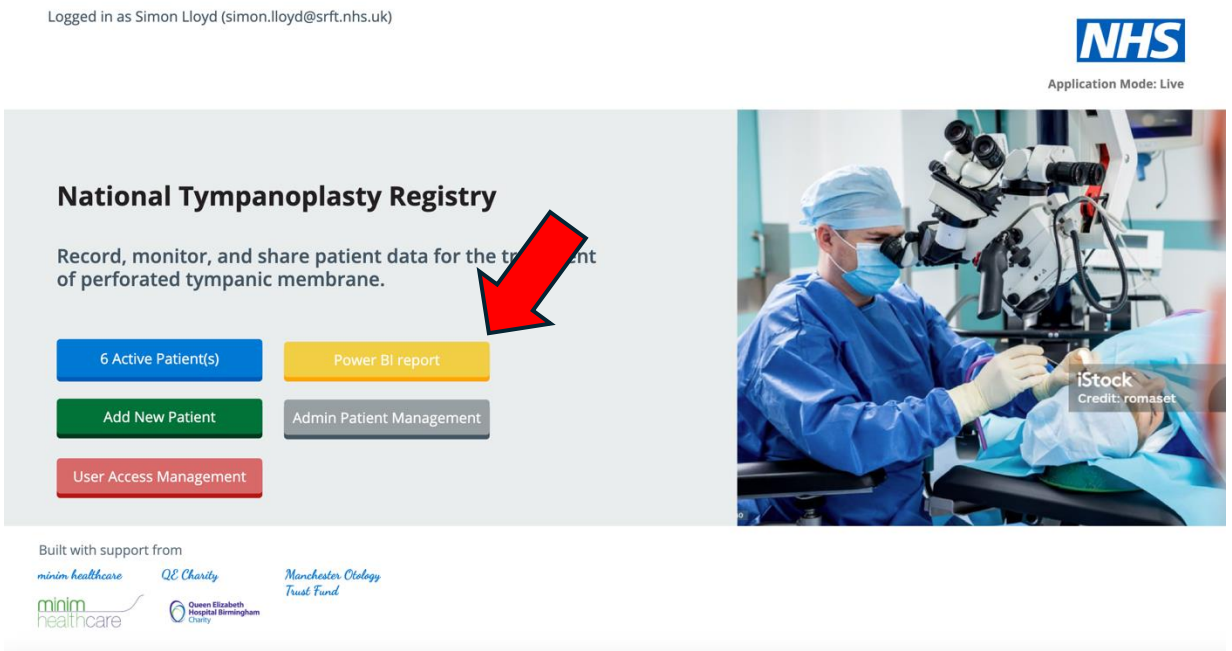
5	4	3	2	1
Much Better	A little or somewhat better	No Change	A little or somewhat worse	Much worse

Since your operation/intervention, how would you define the change in having a 'smelly ear'. Has this become better or worse?

Key Outcomes Page

- By clicking on ‘Power BI Report’ on the home page you can access the key outcomes page. This is shown on the next page

- This shows your key outcomes as well as the national average so that you can benchmark your own outcomes



NHS

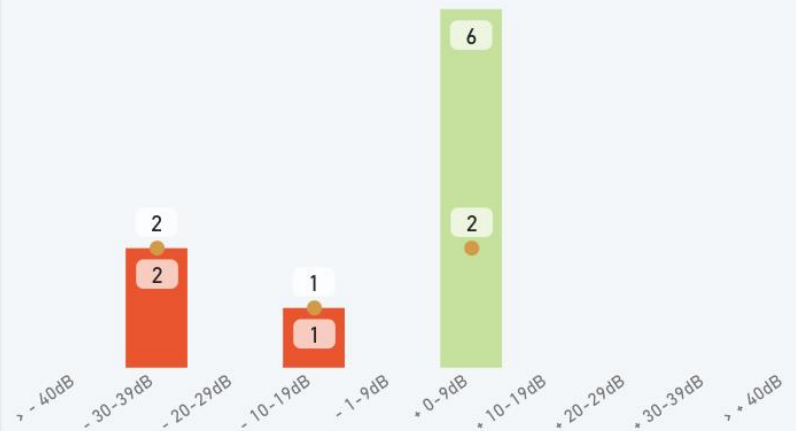
Logged in as: Simon.Lloyd@srft.nhs.uk

	Your Outcomes	National Average
No. Cases	6	4
Proportion Revision	20.00% ↓	27.27%
Mean Size of Perforation*	46.80% ↑	43.09%
Proportion with Intact Tympanic Membrane	100.00% ↓	90.91%
Proportion with Myringitis*	--	--
Proportion with Dry Ear*	100.00%	100%

- = *(Based on most recent postop entry)*

Change in Air Bone Gap

Line = National Average / Bar = Your Outcome



Mean Change in Air Bone Gap (Ipsilateral)

Ossiculoplasty (Yes)

-8.00

Ossiculoplasty (No)

-4.82

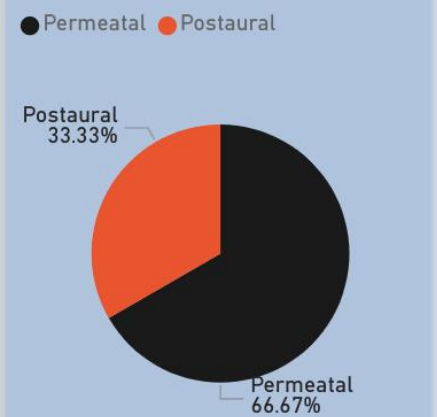
Combi Score

Combi Score

5 *(Based on most recent postop entry)*

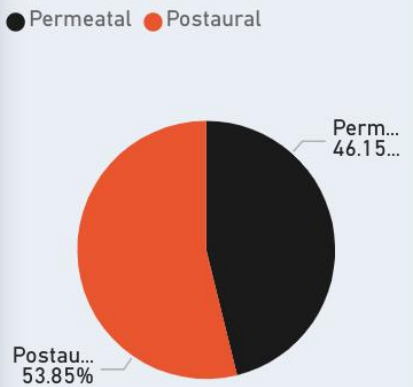
Your Outcome

Approach



National Average

Approach



Pre-Operative vs Post-Operative

AC Pure Tone Average (db) - Pre-Op

26

AC Pure Tone Average (db) - Post-Op

17.50