



Working for patients, committed to excellence

The mission of the National Joint Registry is to collect and analyse high quality and relevant data about joint replacement surgery in order to provide timely warnings of issues relating to patient safety.

In a continuous drive to improve patient outcomes and to ensure the quality and value of joint replacement surgery, we will monitor and report on outcomes and enable and support related orthopaedic research.



Working for patients, committed to excellence

NJR Connect – Data Services User Guide



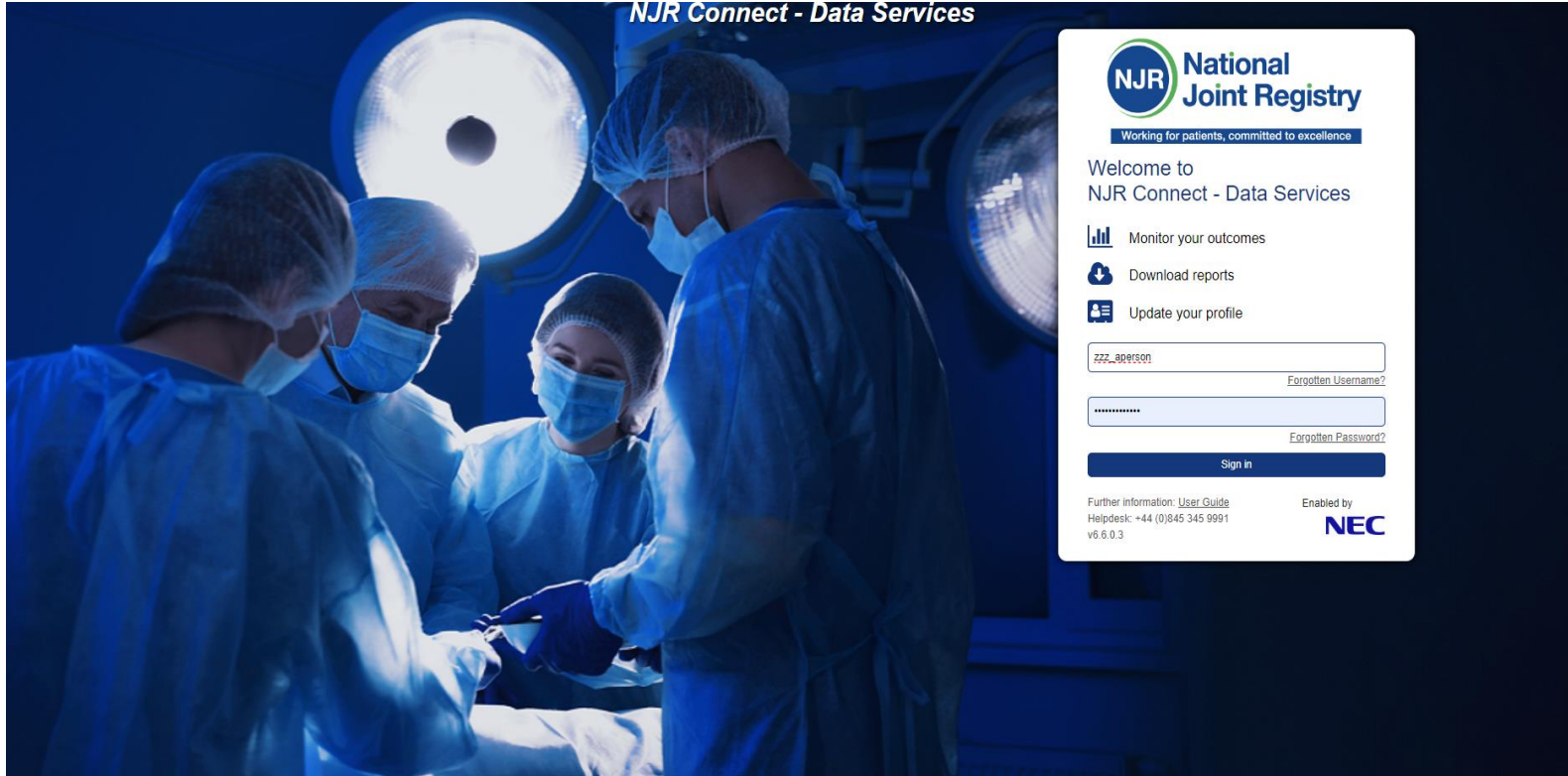
NJR Connect guide main menu

- [How to use NJR Connect](#) - Information on logging in, navigation and password management
- [NJR Data Entry guide](#) - How to use the data entry system
- [Data Utilities guide](#) - Additional data entry functionality for HDM and Data Quality Users
- [Clinician Feedback guide](#) - Application dashboards, accessing reports, Alert Events, Outcomes and the Implant Library
- [Management Feedback guide](#) - Application dashboards, accessing reports and Alert Events

How to use NJR Connect

- [Logging into NJR Connect](#)
- [Your password](#)
- [User profile](#)
- [Icons used in the Connect application](#)
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- [Reporting](#)
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- [Static reports](#)
- [The Contacts Database](#)
- [Resources](#)

Logging into NJR Connect



- Application url:
<https://platform.njrcentre.org.uk>
- Log in with your username and password. Use the Forgotten Username/Password feature if you cannot remember them

Forgotten Username

Please enter your email address and click on the 'Send me forgotten Username' button. Then click on 'Back to login screen' to log in using the username emailed to you.

Further information: [User Guide](#)
Helpdesk: +44 (0)845 345 9991
v6.6.0.3

Enabled by
NEC

Forgotten Password

Please enter your username and click on the 'Send me reset Password' button. Then click on 'Back to login screen' to log in using the password emailed to you.

Further information: [User Guide](#)
Helpdesk: +44 (0)845 345 9991
v6.6.0.3

Enabled by
NEC

Multi Factor Authentication (MFA)

- Users will be required to confirm their identity when signing into the platform via a one-time passcode (OTP) or using an Authentication app. They will not have to do this every time they login.

Enable Two Factor Authentication (2FA)

To further increase the security of your account, NJR requires you to enable a second authentication method (2FA). When enabled, you will log in with your username and password as normal but periodically (if you access the ORP from a different device or browser type or change your password) you will also need to confirm your identity using a secondary code, which will be generated using your chosen authentication method.

This can either be from an authentication application, such as Microsoft's Authenticator App on your mobile device, or a One Time Password (OTP) sent to your communication email address.

[Enable 2FA using Authenticator App](#) [Enable 2FA using an email OTP](#)

Multi Factor Authentication (MFA)

MFA using the Authenticator App

- Follow the steps shown on the screen to use the Authentication app and enter the code received.
- Click “Continue” to gain access to the platform.


Enable Two Factor Authentication (2FA)

To further increase the security of your account, NJR requires you to enable a second authentication method (2FA). When enabled, you will log in with your username and password as normal but periodically (if you access the ORP from a different device or browser type or change your password) you will also need to confirm your identity using a secondary code, which will be generated using your chosen authentication method.

This can either be from an authentication application, such as Microsoft's Authenticator App on your mobile device, or a One Time Password (OTP) sent to your communication email address.

[Enable 2FA using Authenticator App](#) [Enable 2FA using an email OTP](#)

Enable Two Factor Authentication (2FA)



Scan the QR code using your chosen authenticator app. If you aren't able to scan the code, you can manually enter the following key
MRFTANRWOJVES6TTFMZTKQLJKVXXEZ3DN44VEUKBPJWGWTSCORKUMLUOU4UW5DIONHECPI. This key will expire within 1 hour of being issued.

Click continue once you have done this.

[Continue](#)

Enable Two Factor Authentication (2FA)

Enter the code from your Authenticator App

[Continue](#) [Cancel](#)

Multi Factor Authentication (MFA)

MFA using the One Time Passcode (OTP) via Email

- After clicking on the "email OTP" option, copy the password in the email received to your registered email address.
- Click "Continue" to gain access to the platform.

Enable Two Factor Authentication (2FA)

To further increase the security of your account, NJR requires you to enable a second authentication method (2FA). When enabled, you will log in with your username and password as normal but periodically (if you access the ORP from a different device or browser type or change your password) you will also need to confirm your identity using a secondary code, which will be generated using your chosen authentication method.

This can either be from an authentication application, such as Microsoft's Authenticator App on your mobile device, or a One Time Password (OTP) sent to your communication email address.

Enable 2FA using Authenticator App

Enable 2FA using an email OTP

Multi-factor Authentication

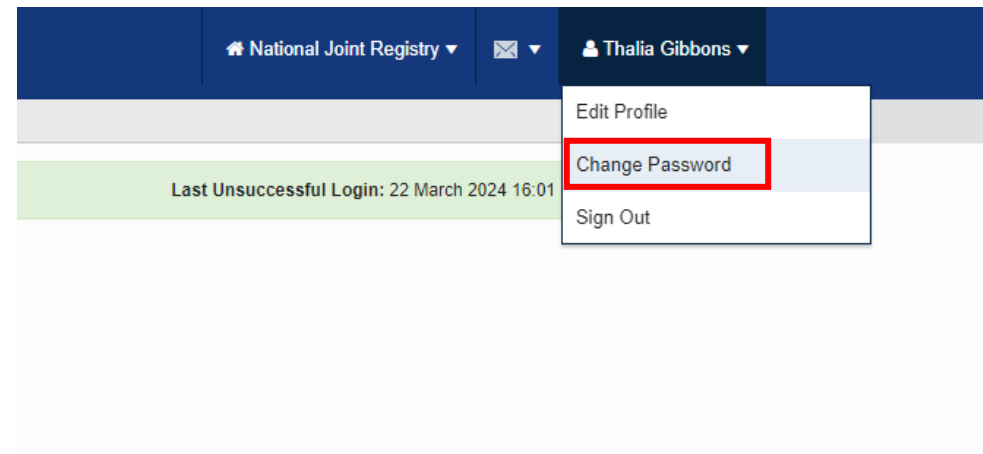
Enter the code from your email.

Continue

Cancel

Your password

- Clicking 'Send me reset Password' will generate an email containing a new temporary password.
- Log in with the temporary password provided and then create a new password of your own.
- Passwords must be at least eight characters in length and contain at least one character from each of the options below:
 - Lower case letters.
 - Upper case letters.
 - Numbers.
 - Other characters (e.g. ! / # % &).
- You can reset your password at any time by selecting your user icon on the top tool bar and clicking on Change Password. Remember to use the above format for your new password.




User profile

- The fields marked with a red asterisk (*) are mandatory:
 - First Name(s).
 - Last Name.
 - Job Title – select from the list.
 - Email address – must follow standard email address format.
 - Terms and Conditions acknowledgement – you are required to click on the link where the Terms and Conditions will be displayed and tick the box to acknowledge them.
- You will not be able to navigate away from this page until these fields have been completed.
- You can edit your user profile at any time by selecting the user icon from the top tool bar and clicking on Edit Profile.

Person

Details

Profile Picture



Note: only bmp, jpg, gif and png formats are currently supported
Maximum file size:1.5 Mb

Title
Please select

First Name(s)*
Test

Last Name*
User

Job Title*
Other

Other Job Title*
Admin

Primary Work Address

Postcode

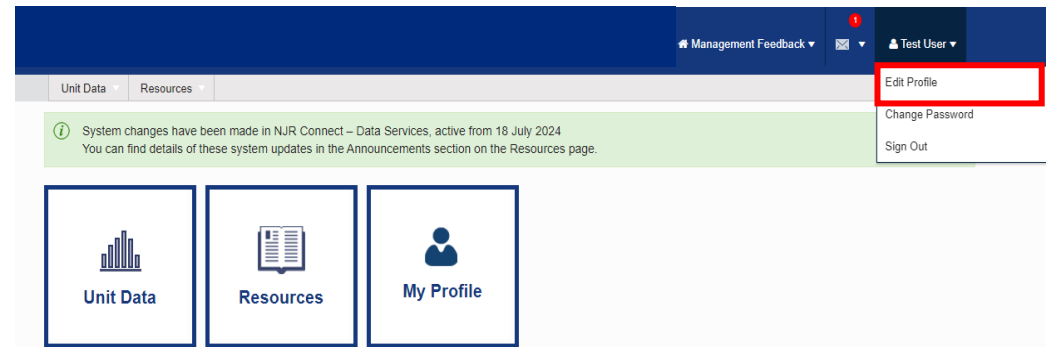
Mobile Phone

Work Phone

Email Address*
test.user@necsws.com

Alternative Email Address

Terms and Conditions*
I have read the [Statement of Permission and Confidentiality](#) and agree to abide by the rules set forth



Management Feedback

Test User

Unit Data Resources

System changes have been made in NJR Connect – Data Services, active from 18 July 2024
You can find details of these system updates in the Announcements section on the Resources page.







Unit Data Resources My Profile

Edit Profile
Change Password
Sign Out







Icons used in the Connect application










Report Icons

	Indicates the ability to reset any applied filters to the default setting
	Indicates the ability to print the current page
	Within a report table, indicates that additional options are available e.g. exporting the data to a Spreadsheet
	Within a report, indicates the ability to close an expanded page e.g. apply filters
	Where a report is displayed as a chart, this converts the data into tabular format
	Where a report is displayed in tabular format, this converts the data into a chart

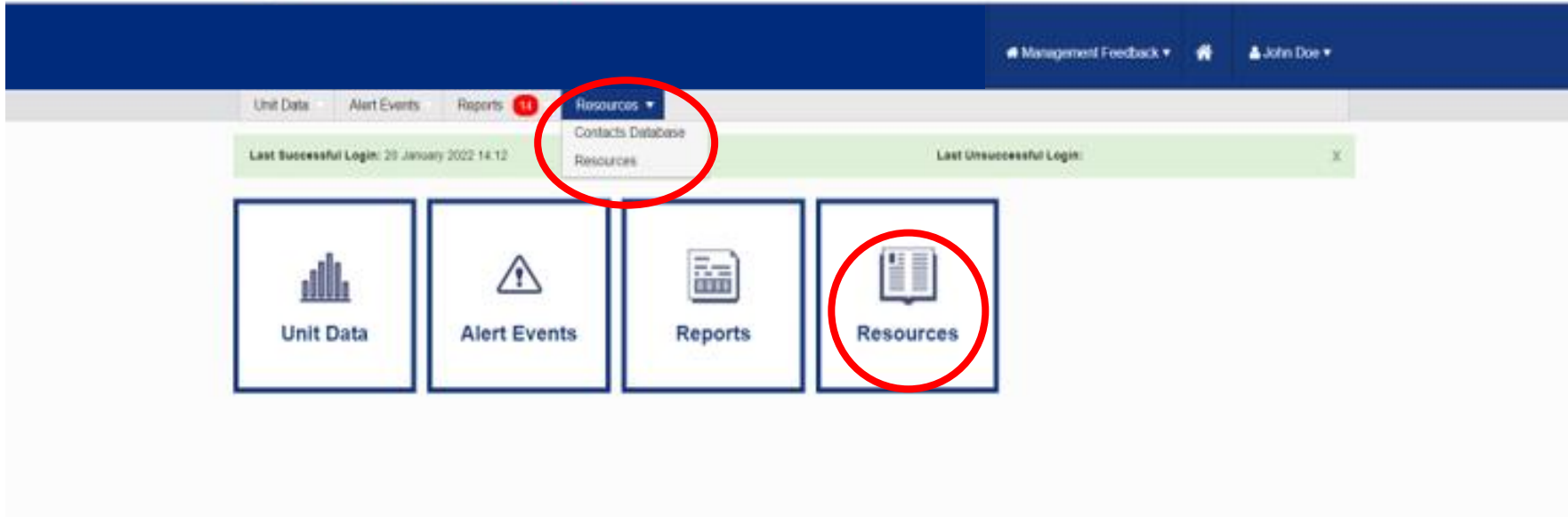
Static Report Icons


	Indicates that this report has not yet been downloaded
	Indicates that the selected report is an Excel spreadsheet that has been downloaded
	Indicates that the selected report is a pdf file that has been downloaded
	Indicates that the displayed reports can be filtered by the content of this column

General Icons

	Indicates that the associated text is for information only
	Navigates back to the application landing page
	On a menu option this indicates that there are further options that can be selected
	Refreshes a list of items
	Indicates that a table of data is sorted in descending order by this column
	Indicates that a table of data is sorted in ascending order by this column
	Indicates that there are additional options when this icon is clicked
	Indicates that there is an issue with the data in the related field
 Pagination options where lists of items are displayed	

Logging into the dashboards



- Use the dashboard tiles to access the first option in the list under that tile.
- To access further options in the menu you can select the icon  .

Reporting

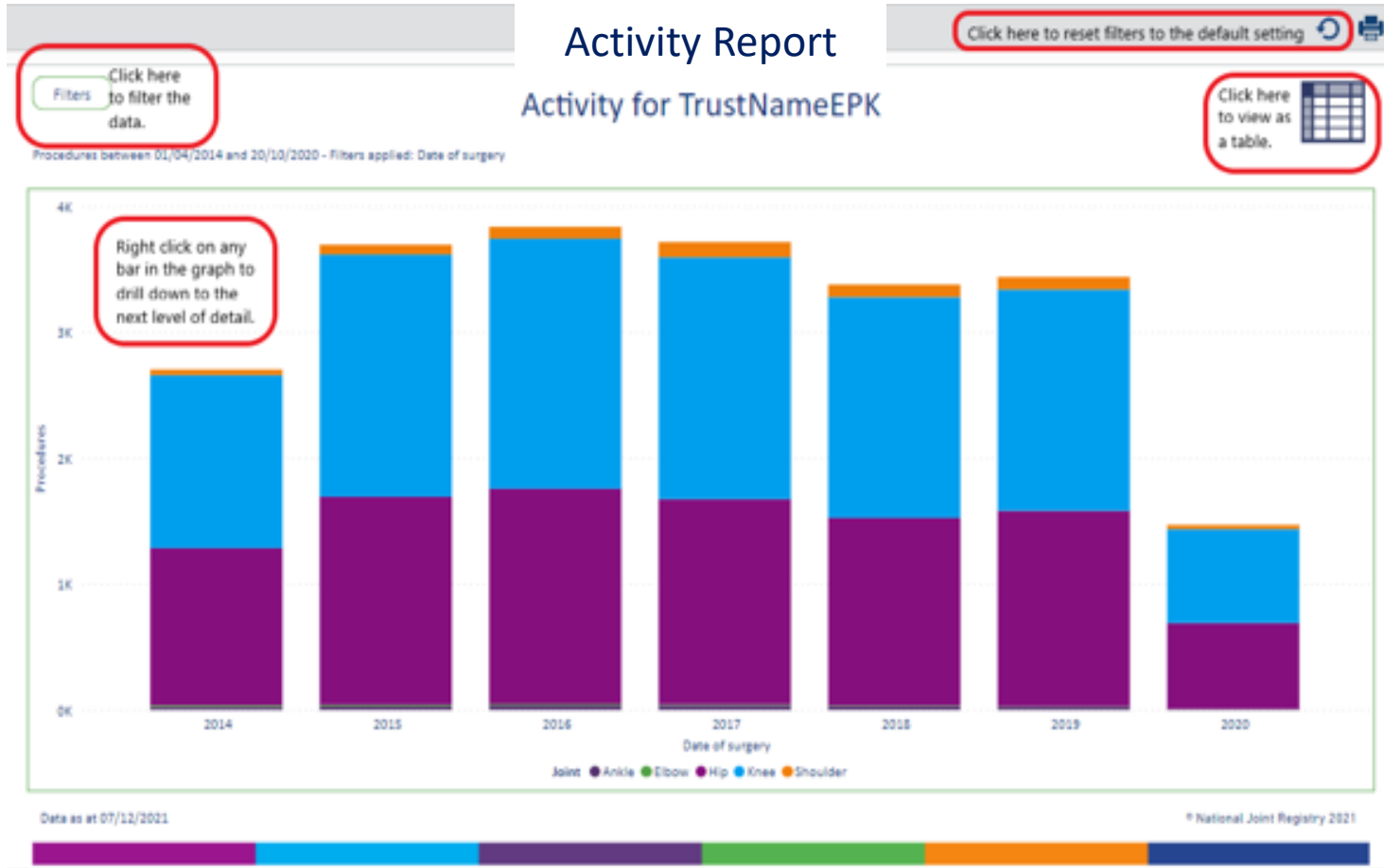
Two types of reports are available in the Connect application – Dynamic and Static – although not all users will have access to all report types.


The Dynamic reports are interactive reports that have filters that enable the user to drill down into the report.

Many of these can be converted from graphs to tables and exported and/or printed.

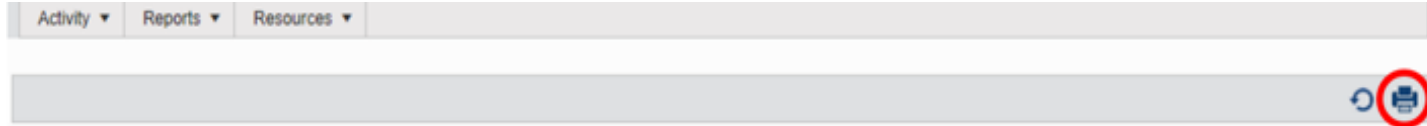
The Static reports are pdf, excel or csv documents that can be exported from the application.


Reporting

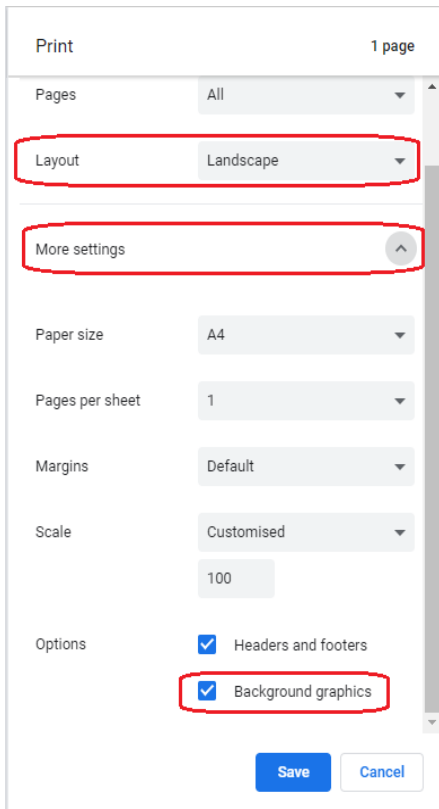


- You can drill down into the data for more detailed information by right clicking on the graph and drill up to return to the summary graph data.
- Change your data view to table by selecting the view as table icon.
- Print or export as pdf by selecting the 'Print' option .

Interactive report export function

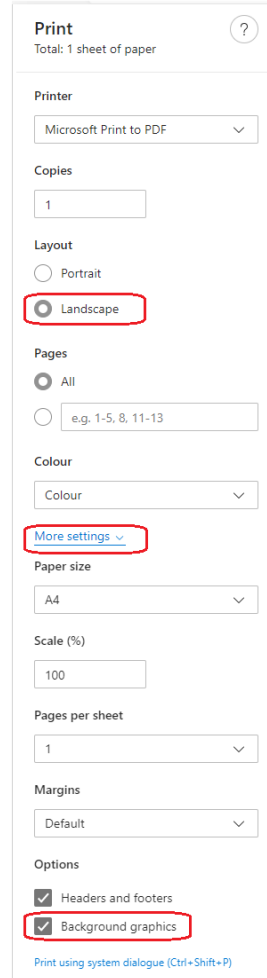


- Use the print icon to print or save to pdf  .

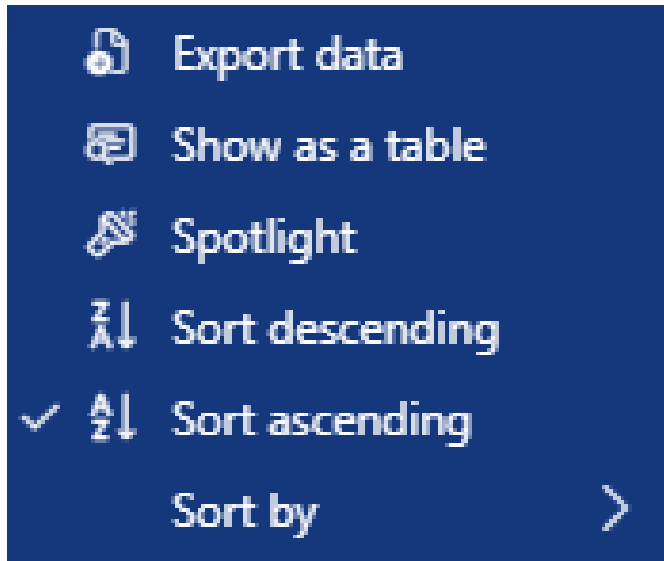



- Using **Chrome** as a browser set the layout to landscape and the background graphics/colours/images option should be enabled.

- Using **Edge** as a browser select as shown.



Interactive report export function




- Using the cursor in certain interactive reports, e.g. the Activity Data Analysis report, the icon  will display more options.
- This includes the Export Data option.

Interactive report export function


Which data do you want to export? ✕

Export your data in the format that suits your needs. If you have a lot of data, the number of rows you export might be limited depending on the file type you select. [Learn more](#)




Data with current layout

Export this data in the same layout you see now, but without any icons, colors, or other formatting you added.



Summarized data

Export the summarized data used to create your visual (for example, sums, averages, and medians).



Underlying data

Export the raw data used to calculate the data in your visual.

File format:

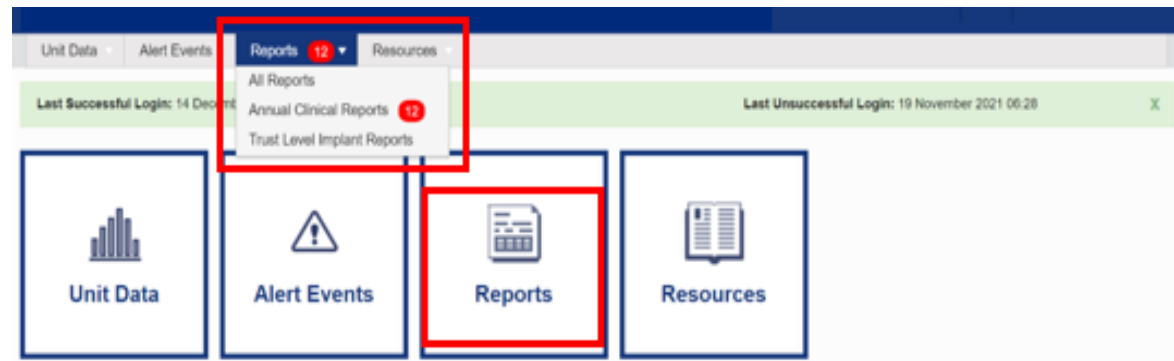
.xlsx (Excel 150,000-row max) ▾

Export

Cancel

- When selecting the Export data option, you are able to export the data to spreadsheet or csv file (csv is only available for Summarized data).
- The default “Data with current layout” will export the table data without any formatting/icons/colours.
- “Summarised Data” will include columns of data including filters.
- Select “Underlying data” will include more detail including
 - Implant details.
 - Patient details.
 - Hospital details.











Static reports



- Reports are accessed from the Reports icon using the required option from the menu drop-down or by using the Reports tile on the dashboard.
- By default ALL reports of the selected type will be displayed in the Search Results box in the order of “Last Updated”.

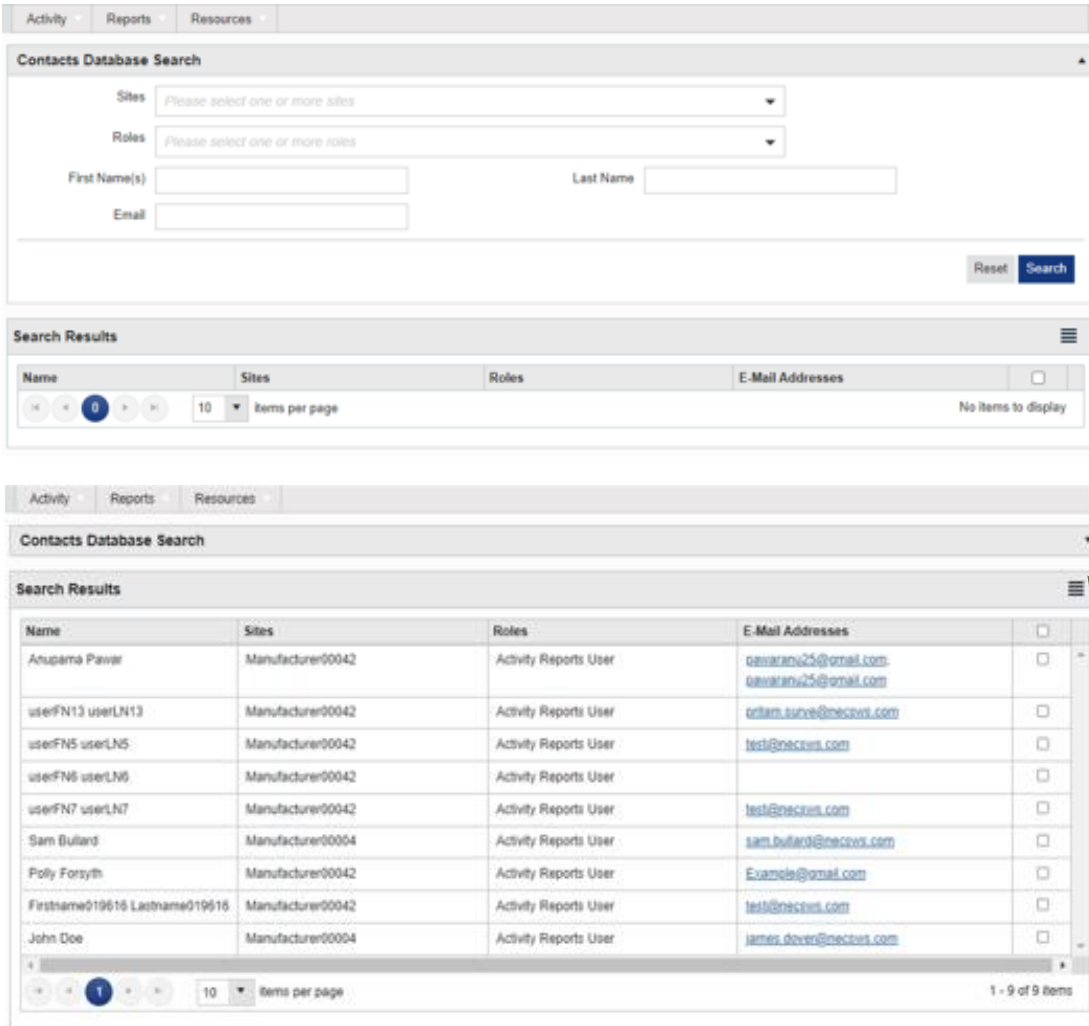
- Individual reports can be downloaded by selecting the  icon or file type icon .
- Once downloaded the arrow will become the file icon type.

Note: If it appears you are unable to download reports from this page, please refer to the Pop-up Blocker Settings document located on the Resources page.

Icon	Report Type	Report Name	Last Updated
	Annual Clinical Reports	MF_UR8_Hospital0303_FY18-19_Addendum.xlsx	
	Annual Clinical Reports	MF_ORG0386_Hospital0386_Jan 2017.pdf	
	Annual Clinical Reports	MF_ORG0386_Hospital0386_Jan 2018.pdf	
	Annual Clinical Reports	MF_UR8_Hospital0386_FY18-19_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Hospital0386_FY19-20_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_ORG0521_Hospital0521_Jan 2017.pdf	26/03/2022 20:45:10
	Annual Clinical Reports	MF_ORG0521_Hospital0521_Jan 2018.pdf	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Hospital0521_FY18-19_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Hospital0521_FY19-20_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Trust0329_Jan 2015.pdf	26/03/2022 19:57:44


Filter: MF

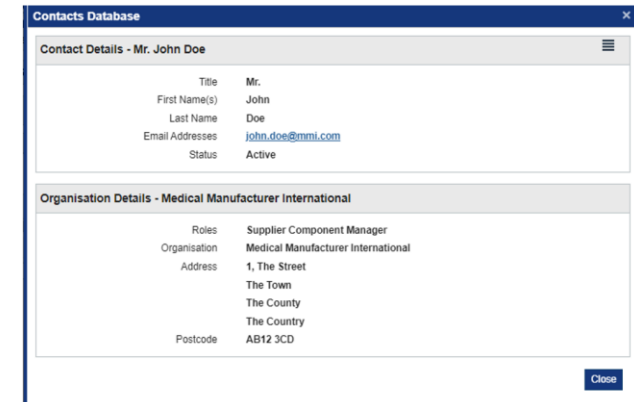
The Contacts Database



The screenshot shows the 'Contacts Database Search' interface. It includes a search form with fields for 'Sites', 'Roles', 'First Name(s)', 'Last Name', and 'Email'. Below the form is a 'Search Results' section with a table of results. The table has columns for 'Name', 'Sites', 'Roles', and 'E-Mail Addresses'. A hamburger menu icon is visible in the top right of the search results section.

Name	Sites	Roles	E-Mail Addresses
Anupama Pawar	Manufacturer00042	Activity Reports User	anupama25@gmail.com anupama25@gmail.com
userFN13 userLN13	Manufacturer00042	Activity Reports User	william.surace@necrus.com
userFN5 userLN5	Manufacturer00042	Activity Reports User	test@necrus.com
userFN6 userLN6	Manufacturer00042	Activity Reports User	
userFN7 userLN7	Manufacturer00042	Activity Reports User	test@necrus.com
Sam Bullard	Manufacturer00004	Activity Reports User	sam.bullard@necrus.com
Polly Forsyth	Manufacturer00042	Activity Reports User	Evamela@gmail.com
Firstname019616 Lastname019616	Manufacturer00042	Activity Reports User	test@necrus.com
John Doe	Manufacturer00004	Activity Reports User	james.foyie@necrus.com

- Access to the contacts database is via the Resources dropdown menu.
- You can use the search screen based on your level of permissions to locate details of NJR Stakeholders.
- The list can be refined by changing the search criteria.
- The search results are displayed in a table format which can also be exported by selecting the hamburger menu 
- Click on the individual record to display the contact's details as shown:



The screenshot shows the 'Contact Details' view for Mr. John Doe. It includes a 'Contact Details' section with fields for Title, First Name(s), Last Name, Email Addresses, and Status. Below this is an 'Organisation Details' section for Medical Manufacturer International, including Roles, Organisation, Address, The Town, The Country, and Postcode.

Contact Details - Mr. John Doe	
Title	Mr.
First Name(s)	John
Last Name	Doe
Email Addresses	john.doe@mmi.com
Status	Active

Organisation Details - Medical Manufacturer International	
Roles	Supplier Component Manager
Organisation	Medical Manufacturer International
Address	1, The Street The Town The Country
Postcode	AB12 3CD

Resources

Activity ▾ Reports ▾ Resources ▾

Announcements

1. [Regional Clinical Coordinators Committee](#)

NJR Connect - Data Services - Supporting Information

1. [NJR Connect - Data Services - Login User Guide](#)
2. [Login Function \(VIDEO\)](#)
3. [Forgotten Password or Username \(VIDEO\)](#)
4. [Change Password \(VIDEO\)](#)
5. [User Profile Page \(VIDEO\)](#)
6. [Resources \(VIDEO\)](#)
7. [Contacts Database \(VIDEO\)](#)
8. [NJR Connect - Data Services - Pop-up Blocker Settings](#)
9. [Information on links to NJR websites](#)

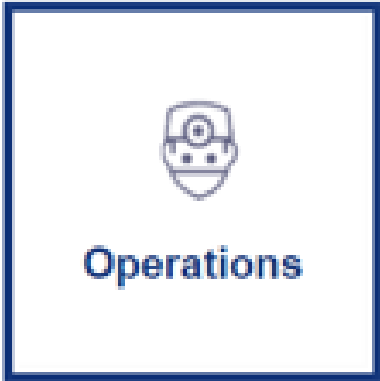
- Resources can be accessed via the Resources sub-menu.
- In the Resources section you will find a library of useful documentation to assist in using the application.
- To access a file simply click on the link.

NJR Data Entry

- [Entering a record](#) - Icons and toolbars explained
- [Data fields explained](#) - What the application fields mean
- [Entering procedure details](#) - Categories and formats of procedures
- [Saving/submitting a record](#) - Saving to the edit stack or submitting an operation
- [Edit existing operation - “edit stack”](#) - How to amend a submitted record
- [Correct patient details](#) - How to update a patient’s record
- [Data Quality](#) - Summary results explained

Entering a record

- Log into the Data Entry system.
- Select the "Operations" option from the tiles on the Dashboard.



Data Entry Resources

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

Please Select an Operation To Edit + Create New Operation

Joint Type	NJR Ref	Surgery Date	Hospital	Edit User	Patient Id	Compone...	MDS	
H K	4000018	09/05/2018	NJR Test Hospital	zzz_lmelle...	123456	Ready:0 Requested:0	7	Edit Delete
A	4000019	01/06/2018	NJR Test Hospital	NJRhdmCN	1a2b3c	Ready:0 Requested:0	7	Edit Delete
K	4000043	01/06/2018	NJR Test Hospital	NJRhdmCN	test	Ready:0 Requested:0	7	Edit Delete
H K	4000068	01/06/2018	NJR Test Hospital	GeriHatch1	789e2uqwio	Ready:0 Requested:0	7	Edit Delete
H K	4000076	28/05/2018	NJR Test Hospital	HDMEdwa...		Ready:0 Requested:0	7	Edit Delete
H	4000078	21/04/2015	NJR Test Hospital	HDMEdwa...		Ready:0 Requested:0	7	Edit Delete
H	4000081	28/05/2018	NJR Test Hospital	MulcahyMe	%%££!!..@	Ready:0 Requested:0	7	Edit Delete

Page 1 of 29 7 items per page 1 - 7 of 198 items

Entering a record

Data Entry ▾ Resources ▾

Hospital Data Manager (Royal Cornwall Hospital (Treliske))

Please Select an Operation To Edit ➕ Create New Operation

Joint Type	NJR Ref	Surgery Date	Hospital	Edit User	Patient Id	Components	MDS	
K	5234412	02/08/2023	Royal Cornwall Hospital (Treliske)	LisaUren3...	D089229	Ready:0 Requested:0	8	Edit Delete
S	5284627	22/09/2023	Royal Cornwall Hospital (Treliske)	LisaUren3...	760911	Ready:0 Requested:0	8	Edit Delete
S	528...							Edit Delete
H	529...							Edit Delete

Create a new operation

MDS Version:

MDS Form:

Please Select MDS Form.

Page 1 1 - 4 of 4 items

- Select "Create new operation"
- Select the MDS Version and the MDS Form

Entering a record

Data Entry ▾ Resources ▾

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

NJR Number: 4933508 MDS8

Patient Details [Icons: trash, print, save, menu]

NJR Patient Consent Obtained* Yes No Not Recorded [Info]

If 'Yes' or 'No' was selected for patient consent above, was consent provided by a consultee on behalf of the patient? Yes No/Not Known

This refers to NJR consent being provided by a third party on behalf of the patient, not the 'consent to operate' normally obtained by the consultant. If an 'NJR Patient Consultee Declaration Form' has not been completed, this section should be completed as 'No/Not Known'

Body Mass Index* Height(m) 0.0 [dropdown] OR BMI 0 [dropdown] OR Not Available [Info]

Weight(kg) 0 [dropdown]

[Navigation: back, cancel, confirm, forward]





- Note the NJR number in the "NJR Ref" field on the paper form.

Remember! Make a note of the NJR reference number when you enter the data NJR ref:






- All fields marked with an * are mandatory and must be completed to submit a record.

Entering a record

- Toolbar icons – select button to carry out action.

Icon	Action	Description
	Delete	Deletes the whole, current record. The record will no longer be available once this option is selected.
	Export to PDF and/or print	Creates a .pdf file of the record which can be opened, saved or printed using Adobe Acrobat. The .pdf file includes the record's NJR reference number.
	Submit	Submits the record to the NJR database. This will be inactive (greyed out) until all the required data has been entered.
	Menu	Takes the user back to the 'Operations' (edit stack) screen.

- Navigation icons – select button to carry out action.

Icon	Action	Description
	Previous	Takes the user to the previous screen.
	Cancel	Undoes changes on the current page (if the user has not clicked on the 'Save' button all fields will be cleared).
	Save	Checks the current page for errors and saves the entries. The  on mandatory fields will disappear if the data entered meets minimum requirements. If not, help text will appear to the right of field to advise what information is required.
	Next	Saves all entered data and takes the user to the next page.

Note: If a toolbar or navigation icon is greyed out, it is not available for use at that stage of data entry.

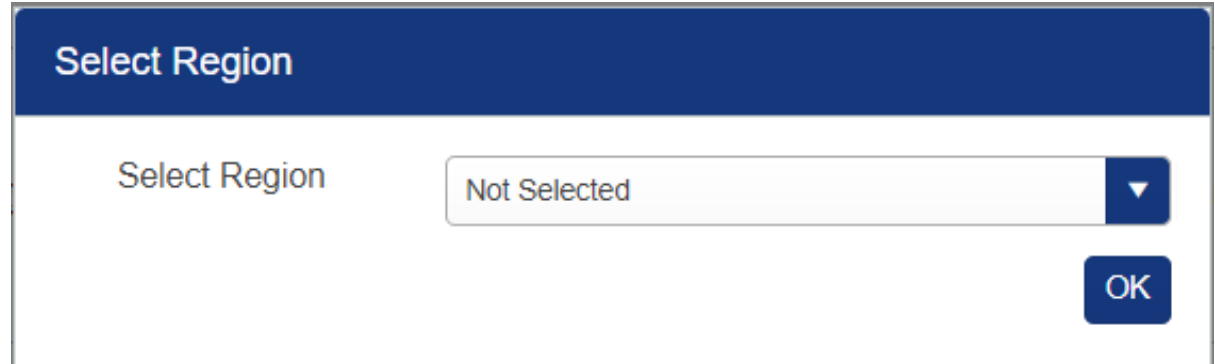
Entering a record

Multi Region data entry user

- If the user is a multi-region data entry user (e.g. England and Northern Ireland) a pop-up message will appear requesting that the appropriate region is selected when creating a new record or editing an existing record.

The consent options are:

- England & Wales.
 - Northern Ireland.
 - Isle of Man.
 - Guernsey.
- Selecting the region will determine the Patient Consent options that are displayed on the Patient Details screen:
 - Yes/No/Not Recorded for England and Wales.
 - Yes/No for Northern Ireland, the Isle of Man, and Guernsey and which hospitals are displayed in the hospital drop-down list on the Operation Details screen.



Entering a record

Entering Consent

- When entering data into the registry in England and Wales, consent can be recorded as 'Yes', 'No' or 'Not recorded'. In cases where a user selects 'No' for consent, a pop-up box will appear to confirm that the patient was asked for their consent and that this is the option recorded in the patient's notes.

Confirm Consent Recording

Recording consent as 'No' is a rare event. Only select 'No' if you are certain that the patient has been directly asked for their consent and has actively declined. If there is no evidence that the patient has been asked, then the consent status should be recorded as 'Not recorded'.

Change

Continue

- If the patient has actively declined consent, please click on Continue.
- If you do not have a consent form, please click on Change. This will change the consent status to 'Not recorded'.

Entering a record

- Type in the information as it appears on the MDS form. The screens are designed to follow the layout of these forms.
- If an MDSv7 paper form has been provided and the procedure date is on or after 12th June 2023 the form should be returned to the surgeon along with an MDSv8 form for completion. There are a number of new mandatory questions in MDSv8 and without this information the procedure cannot be submitted.
- As the form is being entered, keep an eye on the left-hand column which gives a summary of data entry progress. Sections marked with a tick indicate that all mandatory fields in the section have been completed.

NJR Number: 4933508 MDS8

Patient Details	✓
Patient Identifiers	✗
Operation Details	✓
Surgeon Details	✓
H1: Hip Primary (Right)	
Procedure Details	✓
Surgical Approach	
Page 1	✓
Page 2	✓
Page 3	✓
Page 4	✓
Intra-Operative Event	✓
Component Selection	✗
Edit Procedures	

Entering a record

- Any section marked with a cross requires attention ☒ . Simply click on the section description to the left of the cross to find out what information is missing ⓘ .
- Missing mandatory fields will display with * to the left of the field name and ⓘ on the right-hand side to advise what information needs to be entered.

Data Entry ▾
Resources ▾

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

NJR Number: 4933508 MDS8

- Patient Details ✓
- Patient Identifiers ☒
- Operation Details ✓
- Surgeon Details ✓
- H1: Hip Primary (Right)
- Edit Procedures

Patient Identifiers

Forename(s)*

Surname*

Sex* Male Female Indeterminate

Date Of Birth*

☒ **Patient postcode*** Overseas Address ⓘ

NHS Number or National Patient Identifier (if available)

Patient Hospital ID*

Patient Email Address

Confirm Patient Email Address

Data fields explained

Patient Details

Field	Description
NJR Patient Consent Obtained	<p>Indicate here whether the patient has consented to have their details recorded by the NJR.</p> <p>N.B. Consent options are region specific: For England and Wales the options are</p> <ul style="list-style-type: none"> • Yes • No • Not Recorded <p>For Northern Ireland, the Isle of Man and Guernsey the options are</p> <ul style="list-style-type: none"> • Yes • No <p>This section is a reflection of the signed NJR Patient Consent form which is kept with the patient records. If 'Not Recorded' is indicated or the section is blank the original NJR Patient Consent form will need to be found or the patient asked again for their permission for the NJR to record their personal data.</p>
Consultee Consent	<p>If 'Yes' or 'No' was selected for patient consent above, was consent provided by a consultee on behalf of the patient? Select either Yes or No/Not known.</p>
Has the patient consented to linkage of study data to NJR data?	<p>This option appears if the user selects a primary procedure on the Edit procedure screen. The user will be directed to return to this page and complete this information. If the patient has consented to link study data to NJR data, enter the study id.</p>
Body Mass Index	<p>Enter: <i>EITHER</i> the patient's Height in metres AND their Weight in kilograms.</p> <p><i>OR</i> their Body Mass Index (BMI) as a whole number - no decimal places.</p> <p>The 'Not Available' option should only be used for trauma patients or where a patient's weight was not recorded at the Pre-operative Assessment appointment.</p>

Data fields explained

Patient Identifiers

- If the patient consented 'Yes', or 'Not Recorded' (for England and Wales only), this page will be displayed.
- If the patient has declined to give their consent for the NJR to store their personal details and 'No' was ticked on the previous page, then this screen will not be displayed and the system will move directly to the 'Operation Details' screen.

Field	Description
Forename(s)	Enter as indicated on the form. All of a patient's forenames should be recorded.
Surname	Enter as indicated on the form.
Sex	Enter as indicated on the form.
Date of Birth	Enter as indicated on the form.
Patient Postcode	The postcode is verified – the system will advise if the entry is invalid. For visitors to the UK, tick the 'Overseas Address' box instead of entering a postcode.
NHS Number or National Patient Identifier (if available)	NHS Number format is validated – the system will advise if the entry is invalid.
Patient hospital ID	Enter the patient's local hospital patient number.
Email address (not mandatory)	Enter the patient's email address.
Confirm email address (not mandatory)	Re-key the patient's email address.
Mobile number (not mandatory)	Enter the patient's mobile phone number (starting from the 7).

Data fields explained

Operation Details

Field	Description
Hospital	Hospitals are assigned to the user when the login details are created. The drop-down list will show the hospitals with which the user is associated.
Operation date	Either enter the date manually or select it from the calendar. N.B. the operation date must be between 1 April 2003 and the date of record entry.
Anaesthetic types	Enter one or more anaesthetic types. Anaesthetic type must be assessed by a qualified anaesthetist.
Patient ASA grade	This is a 'fitness for anaesthetic' grading classification where 1 is 'fit and healthy' and 5 is 'not expected to survive with or without the operation'. Patient ASA grade must be assessed by a qualified anaesthetist.
Operation funding	Enter whether the procedure was funded by the NHS or privately (medical insurance or paid by patient).

Surgeon Details

Field	Description
Consultant in charge	The drop-down list will display surgeons associated with the hospital selected on the previous screen.
Operating surgeon number one	The drop-down list will display surgeons associated with the hospital selected on the previous screen.
Operating surgeon number one Grade	Select applicable box e.g. a junior surgeon could have performed the procedure independently or whilst being supervised by a Consultant.
Dual consultant operation?	Select applicable box.
Operating consultant number two (if dual consultant operation)	If Yes selected for dual consultant operation the drop-down list will display surgeons associated with the hospital selected on the previous screen.
First Assistant Grade	Select applicable box.

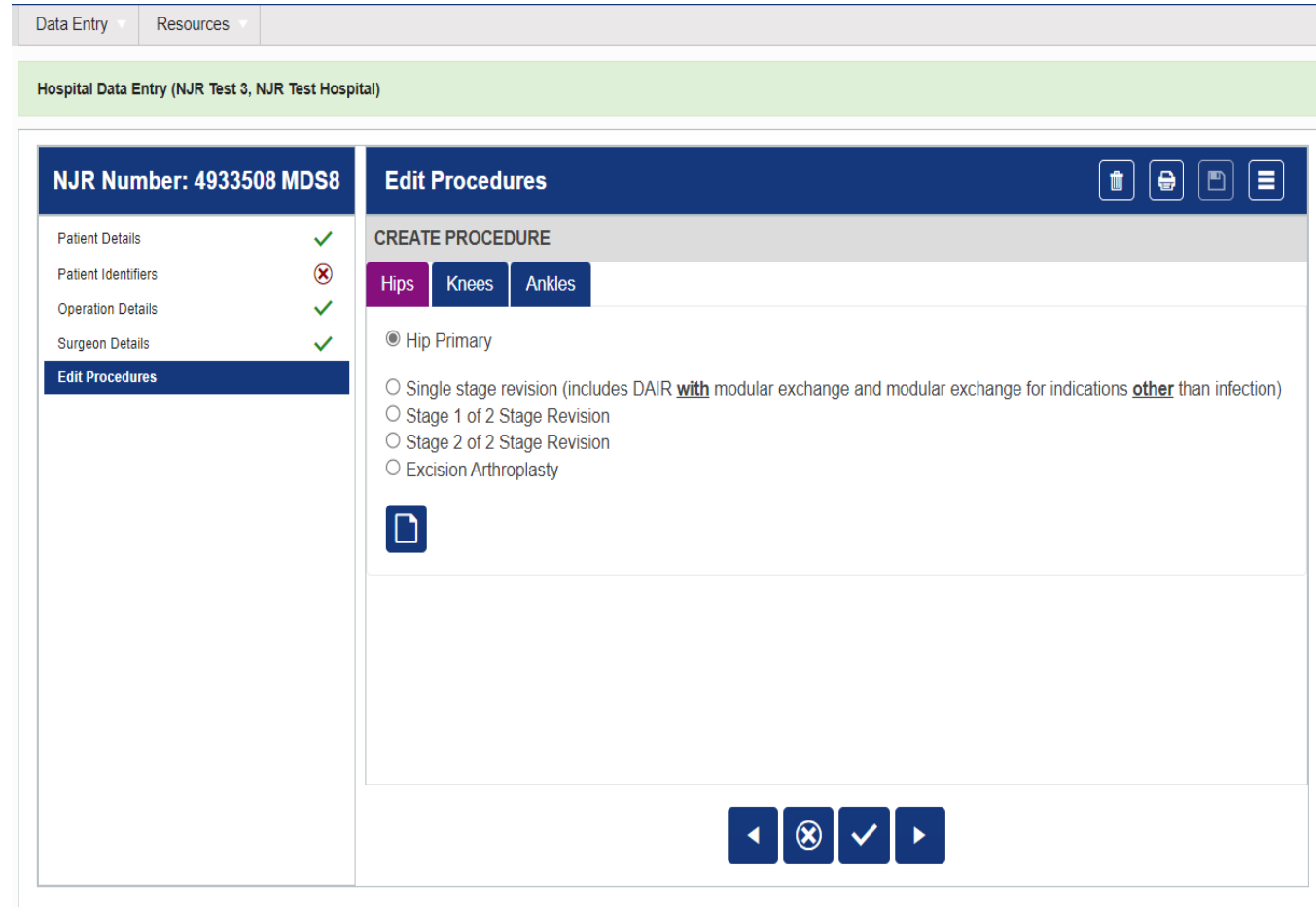
- If the surgeon recorded on the NJR procedure form does not appear in the drop-down list, contact the Hospital Data Manager and request that they are added.
- Please see the [NJR Data Utilities user guide](#) for adding and removing surgeons from your hospital.

Entering procedure details

- The next screen will depend upon the 'Create New Operation' option selected from the data entry dashboard. For a list of procedures which are included or excluded from the NJR, please go to the [NJR Centre website](#) to download the NJR Operations Anatomy and Implants constructs document.

Lower limb

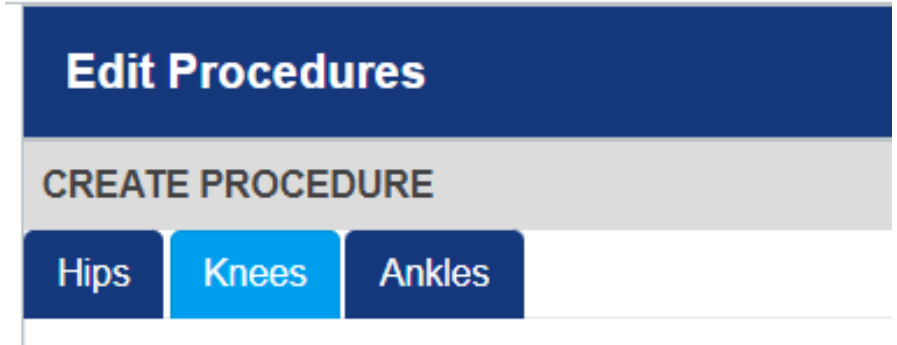
- This section defaults to 'Hips'.



The screenshot shows the 'Edit Procedures' interface. At the top, there are navigation tabs for 'Data Entry' and 'Resources'. Below this is a header for 'Hospital Data Entry (NJR Test 3, NJR Test Hospital)'. The main content area is split into two columns. The left column, titled 'NJR Number: 4933508 MDS8', contains a checklist: 'Patient Details' (checked), 'Patient Identifiers' (unchecked with a red X), 'Operation Details' (checked), and 'Surgeon Details' (checked). Below this is an 'Edit Procedures' section. The right column is titled 'Edit Procedures' and contains a 'CREATE PROCEDURE' section with three tabs: 'Hips' (selected), 'Knees', and 'Ankles'. Under the 'Hips' tab, there are radio button options: 'Hip Primary' (selected), 'Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection)', 'Stage 1 of 2 Stage Revision', 'Stage 2 of 2 Stage Revision', and 'Excision Arthroplasty'. At the bottom of the right column, there are four navigation buttons: a left arrow, a red X, a checkmark, and a right arrow.

Entering procedure details

- To create a Knee or Ankle procedure, select the appropriate tab.
- Having selected the appropriate joint, select the appropriate procedure type. **Note:** all joints default to the Primary procedure option.
- To change to a revision procedure, select the radio button to the left of procedure name. If details of a Revision operation are being input (e.g. H2, K2, A2) the procedure type will be indicated in the 'Procedure Details' section of the paper form.



The screenshot shows a web interface for editing procedures. At the top is a dark blue header with the text "Edit Procedures" in white. Below this is a light grey bar containing the text "CREATE PROCEDURE". Underneath are three dark blue tabs with white text: "Hips", "Knees", and "Ankles". The "Knees" tab is currently selected and highlighted with a light blue background.

Entering procedure details

Joint	Revision procedure types
Hips	Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection) Stage 1 of 2-stage revision Stage 2 of 2-stage revision Excision arthroplasty
Knees	Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection) Stage 1 of 2-stage revision Stage 2 of 2-stage revision Stage 2 of planned incomplete primary procedure Conversion to arthrodesis Excision arthroplasty Amputation Secondary resurfacing of patella Secondary/subsequent partial replacement (Unicompartmental or PFJR)

Joint	Revision procedure types
Ankles	Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection) Stage 1 of 2-stage revision Stage 2 of 2-stage revision Conversion to arthrodesis Amputation

- Click on  to create the procedure.

Entering procedure details

Upper limb

Data Entry Resources

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

NJR Number: 4933509 MDS8

Edit Procedures

CREATE PROCEDURE

Elbows Shoulders

Elbow Primary

Single stage revision (includes DAIR **with** modular exchange and modular exchange for indications **other** than infection)

Stage 1 of 2 Stage Revision

Stage 2 of 2 Stage Revision

Conversion to Arthrodesis

Partial excision arthroplasty (i.e. removal of radial head prosthesis)

Excision Arthroplasty

Amputation

Navigation icons: back, cancel, confirm, forward

- This section defaults to Elbows. To change to Shoulder procedures, select the Shoulders tab.

Edit Procedures

CREATE PROCEDURE

Elbows Shoulders


- Having selected the appropriate joint, select the appropriate procedure type. **Note:** all joints default to the Primary procedure option.

Entering procedure details

- To change to a revision procedure, click on the radio button to the left of the procedure name. If a revision operation is being input (e.g. E2, S2) the procedure type will be indicated in the 'Procedure Details' section of the paper form.

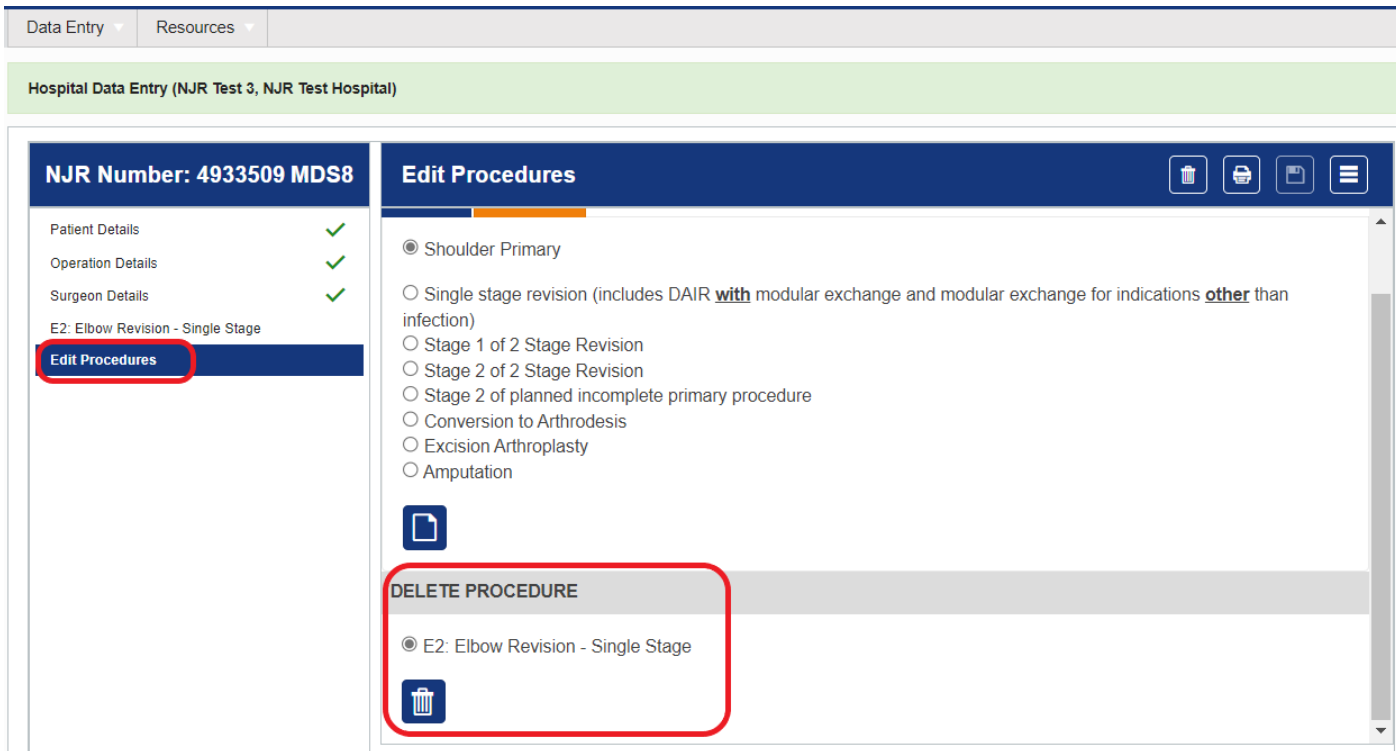
Joint	Revision procedure types
Elbows	Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection) Stage 1 of 2-stage revision Stage 2 of 2-stage revision Conversion to arthrodesis Partial excision arthroplasty (i.e. removal of radial head prosthesis) Excision arthroplasty Amputation

Joint	Revision procedure types
Shoulders	Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection) Stage 1 of 2-stage revision Stage 2 of 2-stage revision Conversion to arthrodesis Excision arthroplasty Amputation


- When the appropriate operation has been selected, click on  to create the procedure.
- The subsequent screens are appropriate to the joint and procedure type selected and will match the completed paper form provided.



Entering procedure details

- If the wrong procedure has been created by mistake, click on 'Edit Procedures' at the bottom of the left-hand column.



The screenshot shows the 'Edit Procedures' interface for NJR Number: 4933509 MDS8. The left-hand navigation menu includes 'Patient Details', 'Operation Details', 'Surgeon Details', 'E2: Elbow Revision - Single Stage', and 'Edit Procedures' (highlighted with a red box). The main content area shows a list of procedure options: 'Shoulder Primary' (selected), 'Single stage revision (includes DAIR with modular exchange and modular exchange for indications other than infection)', 'Stage 1 of 2 Stage Revision', 'Stage 2 of 2 Stage Revision', 'Stage 2 of planned incomplete primary procedure', 'Conversion to Arthrodesis', 'Excision Arthroplasty', and 'Amputation'. Below this list is a 'DELETE PROCEDURE' section with a trash icon and the selected procedure 'E2: Elbow Revision - Single Stage' (highlighted with a red box).

- Go to the Delete Procedure section and click on the radio button to the left of procedure to be deleted. Then click on 

IMPORTANT: The procedure is deleted by clicking on the  underneath the procedure name. This deletes only the procedure that has been created but leaves patient, operation and surgeon details intact. If the delete button  at the top right of the screen is selected it will delete the entire record.

Entering procedure details

Reoperation other than revision (MDSv8 only)

Edit Procedures

CREATE PROCEDURE

RO

- Ankle
- Elbow
- Hip
- Knee
- Shoulder



Joint	Reoperation types
All	Closed/open reduction of dislocation Fixation of periprosthetic fracture Superficial/deep Debridement And Implant Retention (DAIR) Washout of haematoma Joint Manipulation Under Anaesthesia (MUA e.g. stiff knee) Soft tissue repair/procedure (e.g. ligament/capsule/tendon) Excision of heterotopic bone Excision of excess cement

Entering procedure details

- Once the procedure has been created, the subsequent screens are appropriate to the joint and procedure type selected. Some questions and the format of these questions will apply to all joints, although the responses may differ by joint.

Primary procedures

Category	Question format
Side	Select one option.
Indications for implantation	Multiple option.
Patient procedure	Select one option.
Approach	Select one option.
Computer guided surgery used	Select one option.
Thromboprophylaxis	Multiple option (both for Chemical and Mechanical sections).
Was Bone graft used?	Select Yes/No for each question. If Yes is selected, responses for Form and Type questions must be entered. If No is selected, Form and Type responses remain greyed out.
Structural implant or other augment(s) used?	Select Yes/No for each question.
Surgeon's notes	Free text field (max 4,000 characters).
Untoward Intra-operative events	Multiple option.

Entering procedure details

Revision procedures

Category	Question format
Procedure Type	Select one option.
Revision of	Select one option.
Side	Select one option.
Indications for/findings at time of revision	Multiple option.
Previous operations details	Complete details as requested.
Patient procedure	Select one option.
Approach	Select one option.
Thromboprophylaxis	Multiple option (both for Chemical and Mechanical sections).
Was Bone graft used?	Select Yes/No for each question. If Yes is selected, responses for Form and Type questions must be entered. If No is selected, Form and Type responses remain greyed out
Structural implant or other augment(s) used?	Select Yes/No for each question.
Surgeon's notes	Free text field (max 4,000 characters).
Untoward Intra-operative events	Multiple option.

- Other questions are joint and procedure specific e.g.





Category	Question format
Minimally invasive surgery (Hips, Knees and Elbows primary only)	Select one option
Robotic surgery used (Hips and Knees primary only)	Select one option. If Yes, select robot from drop-down list.
Patient Specific instruments (Knees and Shoulders only)	Select one option.
Use of tourniquet (Knees only)	Select one option. If yes, select length of time used.
Handedness (Elbow and Shoulder only)	Select one option.

Entering procedure details

Selecting and adding Components

- The Component Selection screen shows 3 tabs:

Tab	Description
Find Components	Allows the user to search for components.
Selected Components	Once the user has searched and added components the header will show the number of selected components in brackets and, if the user is on the page, shows the details of the components selected.
Request Components	The header shows if the user has requested any components to be added to the database.

Component Selection

Find Components
Selected Components (5)
Request Components (0)

Please select one of the following options:-

Search by Reference Number:

REF: Lot Number: Exact Match Partial Match Search

Barcode Search:

Product: Lot Number: Decode Show Scanned Components

Advanced Search:

Supplier Component Group Component Type Lot Number:

Fixation Method Size

Search Reset

◀
✕
✓
▶

Entering procedure details

- Identify all the relevant components from the labels before entering the numbers.
Enter numbers for:

Component	Component Description
Major Joint Components	e.g. Hip procedure - Head/stem/cup liner Knee procedure - Femoral/tibial/patella/meniscal Ankle procedure - Talar/Tibial Shoulder procedure – Humeral/ Glenoid Elbow procedure - Ulna/Radial/Humeral
Bone Cement	Unless entering a cementless procedure.
Accessories	e.g. screws/plugs/adaptors (these may not be required by the system).

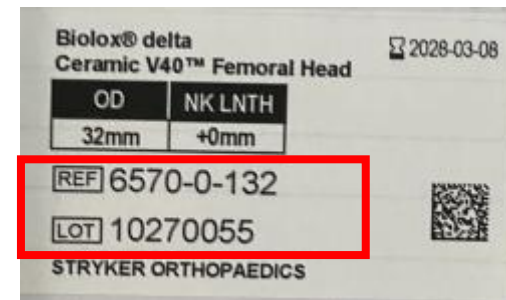
- Reference numbers do not need to be entered for:

Surgical tools	Wire	Mesh
Cables	Plates	Drains
Mixing systems		

- There are 3 ways to search for a component:

1. Search by Reference Number

An example of where to find the REF Number and LOT Number is below:

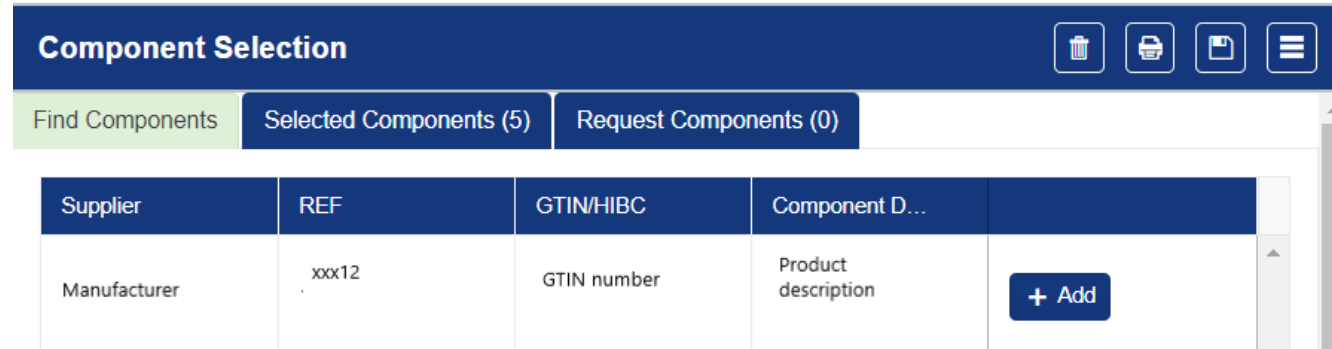


Entering procedure details

Item	Description
Ref	Enter component reference number
Lot Number	Enter Lot Number
Exact Match/Partial Match	Select appropriate radio button

- Select  .


- The system will return matches:

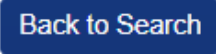


Component Selection

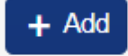
Find Components | Selected Components (5) | Request Components (0)

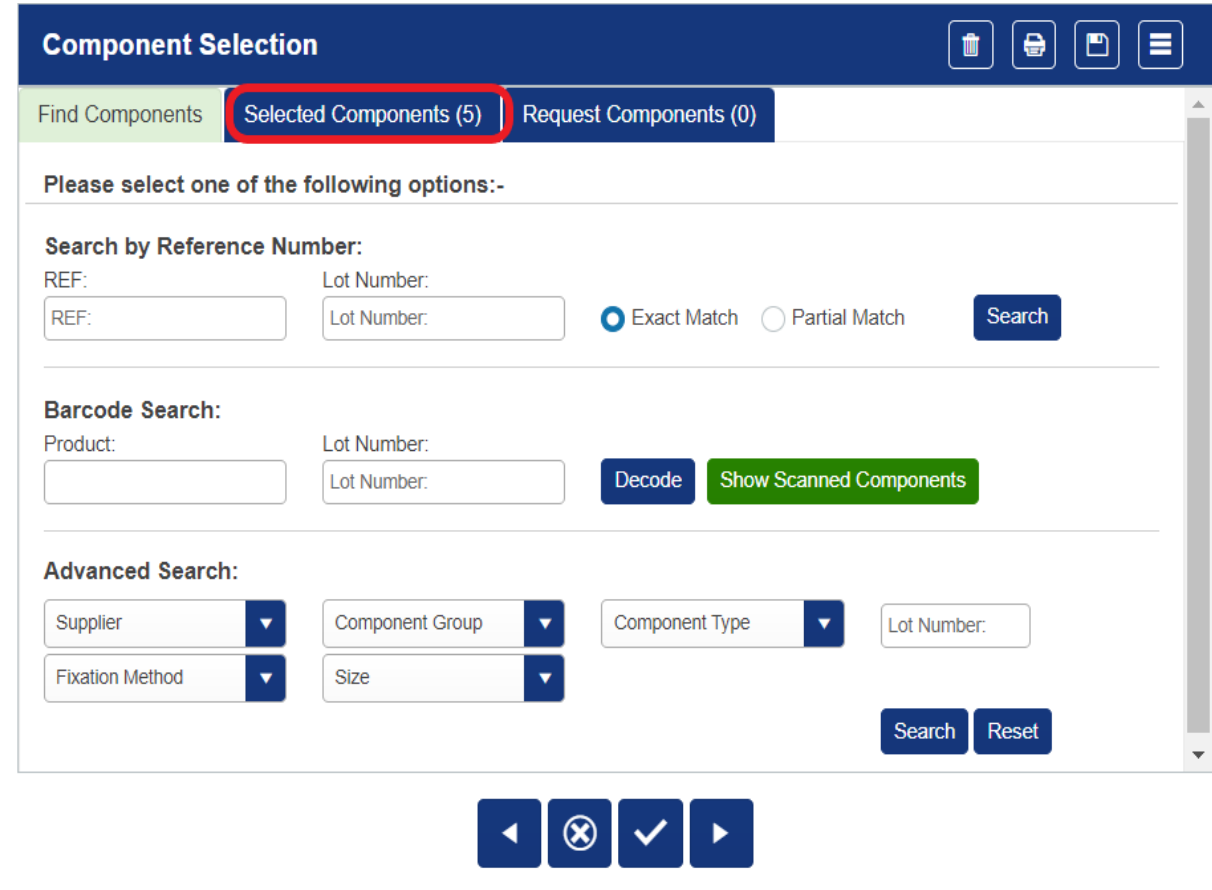
Supplier	REF	GTIN/HIBC	Component D...
Manufacturer	.xxx12	GTIN number	Product description



- Ensure the 'Component Description' matches the wording and size on the label. If the size or description is different, please report this to the NJR at enquiries@njrcentre.org.uk
- If the results do not return the required component, select  at the bottom of the screen to create a new search.

Entering procedure details





- To add the component to the procedure, click on  .
- The user will be returned to the 'Find Components' screen and the number of components added to the procedure will display in brackets on the 'Selected Components' tab.
- Repeat this process for all components used in the procedure.



The screenshot shows the 'Component Selection' interface. At the top, there are three tabs: 'Find Components', 'Selected Components (5)', and 'Request Components (0)'. The 'Selected Components (5)' tab is highlighted with a red box. Below the tabs, there is a section titled 'Please select one of the following options:-'. This section contains three search options: 'Search by Reference Number:', 'Barcode Search:', and 'Advanced Search:'. Each search option has input fields for 'REF:' and 'Lot Number:', and a 'Search' button. The 'Barcode Search' section also includes a 'Decode' button and a 'Show Scanned Components' button. The 'Advanced Search' section has dropdown menus for 'Supplier', 'Component Group', 'Component Type', 'Fixation Method', and 'Size', along with a 'Lot Number' input field and 'Search' and 'Reset' buttons. At the bottom of the interface, there are four navigation buttons: a left arrow, a close button (X), a checkmark, and a right arrow.

Entering procedure details

- Any errors or validation queries which are preventing the record from being submitted will be displayed in the 'Component Combination Validation Comments' section.

Component Selection

Find Components
Selected Components (1)
Request Components (0)

The component validation advice must be addressed before this surgery record can be completed. If the advice is incorrect in this case, please tick this box.

Component Combination Validation Comments

Please include a femoral group component to complete the full set of components required

Please include Acetabular Insert OR Acetabular Insert - Dual mobility (standard w/o modular head) PLUS Accessory Acetabular Component - Dual Mobility Insert / Liner (converter) OR Acetabular Insert - Dual Mobility (including modular head) PLUS Accessory Acetabular Component - Dual Mobility Insert / Liner (converter) to complete the full set of components required

Check with the operating surgeon that the patient procedure and implants added are correct. If correct, use the Validate Override function or contact the NJR Service Desk for support.

Supplier	REF	GTIN/HIBC	Compon...	Lot	

- When the 'Component Combination Validation Comments' are addressed they will disappear from the screen and the record may be submitted.

Entering procedure details

2. Barcode Search

- A barcode scanner may be used, if available; the NJR recommends a barcode scanner that is compatible with both traditional 1d barcodes and newer 2d barcodes ('QR Codes'). Some older scanners may, with a software driver update, be able to read 2d barcodes, some will not. Device manufacturers are increasingly using QR Codes because of their ability to hold more data. The NJR does not provide barcode scanners as part of the programme.
- **Note:** not all components on the NJR database are recognised by a barcode scanner so numbers may still need to be input manually.

3. Advanced Search

- This search can be used when the component that was used is known but the REF number is not available.
- Using the drop-down lists, select as many of the following as are available or the search may return too many results:
 - Supplier.
 - Component Group.
 - Component Type.
 - Lot Number (must be completed for search to be carried out).
 - Fixation Method.
 - Size.

Note: the search drop-down options change depending on the joint type selected.

Entering procedure details

Requesting new components

- If a component cannot be found:
 - Check for errors in the numbers entered.
 - Check that the REF number and LOT number have not been entered the wrong way round.
 - The REF number is sometimes listed at a CAT number on labels.
 - Do a 'Partial Search' on the first few digits of the REF number in the 'Find Components' tab.

- If the component cannot be found, select the 'Request Components' tab and 3 additional tabs will appear:

The screenshot shows the 'Component Selection' interface. At the top, there are three tabs: 'Find Components', 'Selected Components (5)', and 'Request Components (0)'. The 'Request Components (0)' tab is active. Below the tabs, there are three sub-tabs: 'Enter Request Details', 'Potential Matches', and 'Requested Components (Outstanding)'. The 'Enter Request Details' sub-tab is active and contains the following fields:

- Email Address *
- Phone Number *
- Catalogue Number *
- GTIN/HIBC (if applicable)
- LOT Number *
- Description *
- Implant Type * (with a dropdown menu showing 'Hip')

At the bottom of the form, there are four navigation buttons: a left arrow, a close button (X), a checkmark, and a right arrow.







Entering procedure details

- Enter all mandatory fields (marked with *) and select [Request Component](#) .
- Complete the boxes with the information available and the system will search once again to make sure that the component is definitely not available.
- If the component *IS* available, it will be displayed and can be added to the procedure.
- If the component is *NOT* on the system, the request will be passed to the NJR Service Desk who will in turn pass the request details to the relevant supplier.
- The brackets in the 'Request Components' tab will display the number of outstanding component requests e.g. (3).

Entering procedure details

- The record will also be visible in the edit stack list for easy reference.

Please Select an Operation To Edit + Create New Operation

Joint Type	NJR Ref	Surgery Date	Hospital	Edit User	Patient Id	Compon...	MDS	
	4379157	01/09/2018	NJR Test Hospital	NJRbulkJS	TestH1321	Ready:0 Requested:1	7	 Edit  Delete
	4834893	09/03/2022	NJR Test Hospital	TestUserN...		Ready:1 Requested:1	7	 Edit  Delete

- Please monitor the status of the requested component by reviewing the procedure in the edit stack. When the component has been added to the database, and is available to be selected, the Ready item in the Components column will change from (0) to (1).
- Once the request is ready, click on 'Edit' to open the procedure. Go to the 'Requested Components Outstanding' tab and select 'Add' from the Processed Requests section. Add all requested components to complete and submit the record.

Entering procedure details

Outstanding Requests

Sup...	Cat...	GTI...	Des...	Impl...	Dat...	Req...	
No records available.							
Page <input type="text" value="1"/> of 0 <input type="text" value="10"/> items per page 0 - 0 of 0 items							

Processed Requests

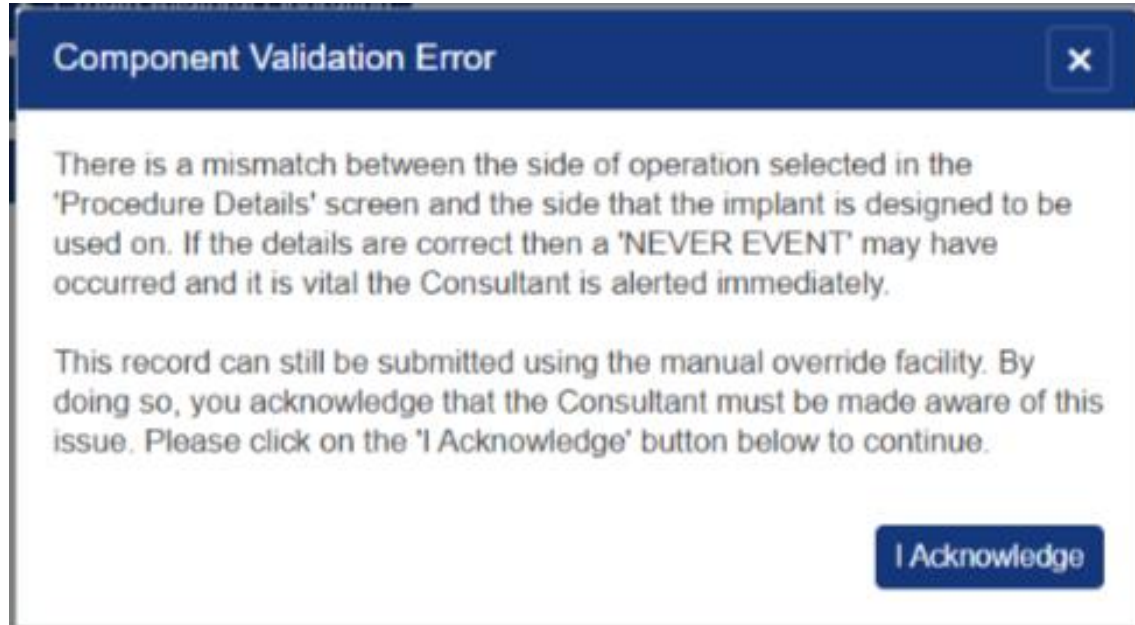
Sup...	REF	GTI...	Co...	Lot	Co...	Req...	
TestSup...	test shoulde...		test shoulde...	test shoulde...	160825	31262	<div style="text-align: right;"> <input type="button" value="Delete"/> <input type="button" value="+ Add"/> </div>
Page <input type="text" value="1"/> of 1 <input type="text" value="10"/> items per page 1 - 1 of 1 items							

Entering procedure details

Never Events

- The NJR records and reports on several potential mismatches of components which are dealt with as 'Never Events' e.g:
 - A mismatch in size, between a hip cup or liner and a femoral head.
 - The use of wrong-sided knees, i.e. where a left knee is indicated for the side of a procedure and a right-sided component is recorded as being implanted.
 - A mismatch between the manufacturers of the femoral stem and femoral head for a hip procedure or a mismatch between the manufacturers of the tibial and femoral components for a knee procedure.
 - A mismatch between the manufacturers of shoulder components if the humeral implants/humeral accessories and glenoid accessories are manufactured by different companies.
- If any of these mismatches occur during data entry, a pop-up warning message will appear advising that this represents a potential mismatch and that the component selection should be confirmed with the consultant.

Entering procedure details



- The following message will also appear in component combination validation comments:





A NEVER EVENT has occurred: The implant is for a Left sided joint but Right has been selected in Knee Primary Procedure Details section

Entering procedure details

Validate Override

- The Validate Override facility should be used with extreme caution. It exists to override entered components that are not compatible with the advice given in the 'Component Combination Validation Comments'.
- If all the listed components have been entered but an error message persists, please check with the operating surgeon, or clinical staff involved at the procedure, to ensure that the list is correct and complete.
- Only when the operating surgeon or clinical staff have confirmed that the components entered were an accurate reflection of the components used, should the validate override box be ticked.

Entering procedure details

Component Selection

Find Components
Selected Components (1)
Request Components (0)

The component validation advice must be addressed before this surgery record can be completed. If the advice is incorrect in this case, please tick this box.

Component Combination Validation Comments

Please include a femoral group component to complete the full set of components required

Please include Acetabular Insert OR Acetabular Insert - Dual mobility (standard w/o modular head) PLUS Accessory Acetabular Component - Dual Mobility Insert / Liner (converter) OR Acetabular Insert - Dual Mobility (including modular head) PLUS Accessory Acetabular Component - Dual Mobility Insert / Liner (converter) to complete the full set of components required

Check with the operating surgeon that the patient procedure and implants added are correct. If correct, use the Validate Override function or contact the NJR Service Desk for support.


Supplier	REF	GTIN/HIBC	Compone...	Lot	

Note: The NJR keeps an audit trail of the number of times this box is ticked. Please contact the NJR Compliance Officer who can advise and investigate why the validation errors are happening if validate override is being used regularly.

Saving & submitting records

- Once the component selection is complete the record is ready to be submitted.

Submit Operation




SUBMIT OPERATION

- ▶ Create Bilateral Operation
- ▶ Save to Edit Stack & Return to Main Menu
- ▶ Save to Edit Stack & Create New Operation
- ▶ Submit Operation & Return to Main Menu
- ▶ Submit Operation & Create New Operation

Saving & submitting records

Menu option	Description
Create Bilateral Operation	Enables the user to enter data for the other side if both sides were being operated on at the same time.
Save to Edit Stack & Return to Main Menu	Select to save and keep the record available to edit.
Save to Edit Stack & Create New Operation	Select to keep the record in edit and generate a NEW operation and new NJR number. Note: the new operation created will be the same MDS version and upper/lower limb/RO combination as the record that has just been saved.
Submit Operation and Return to Main Menu	Submit procedure and go to main menu.
Submit Operation and Create a New Operation	Select to submit this procedure and move on to create a new procedure. This option generates a NEW operation and new NJR number. Note: the new operation created will be the same MDS version and upper/lower limb/RO combination as the record that has just been submitted.

- Another way to submit the record is to use the  button on the toolbar menu (top right of screen).

Note: *This button will be greyed out (as above) if there are crosses against any section in the left-hand column.*

Tip: Never worry about selecting the ‘**Submit**’ button. The NJR Service Desk or NJR Compliance Officer can put the record back into the edit stack if any details need to be checked, amended, or printed.

- It is a good idea to make a note of the NJR number and, if consent has been given, the local hospital patient identifier at this point.

Saving & submitting records

Beyond Compliance pop-up

- Implant manufacturers may opt to take part in a national post-market surveillance service called 'Beyond Compliance'. Beyond Compliance is voluntary for device manufacturers and it aims to ensure that new devices are introduced in a more controlled manner. This process goes beyond those compliance requirements set out in legislation, hence the name 'Beyond Compliance'. It is an important programme and most manufacturers are putting new devices onto the market via the programme.
- This programme requires the completion of a separate Beyond Compliance consent form in order for data to be collected about patients who receive newer implants, including data about their post-operative recovery. These data are used to assess the performance of new devices earlier than they would be otherwise. Patient safety and outcomes are improved by an early focus on implant performance.

Saving & submitting records

- If one or more implants that are part of this programme have been used the following pop-up message will appear when either the 'Submit Operation and Return to Main Menu' option or the 'Submit Operation and Create a New Operation' option is selected:

BYC Component

One or more of the implants selected are in Beyond Compliance. Has this patient consented to Beyond Compliance?
<http://www.beyondcompliance.org.uk/Home.aspx>

- Select the appropriate answer to submit the record.

Editing existing operations – “edit stack”

- Records may appear in the edit stack either because:
 - they are missing data and can't be submitted or,
 - a user has requested that they be unsubmitted for audit purposes/data correction.

Note: *if a record is unsubmitted; the Consultant in Charge and Operating Surgeon fields may only be edited by an HDM.*

Unsubmitted records

- If any section of the record is incomplete, or there are any validation errors, the record will automatically be stored in the edit stack when the user returns to the main menu. Please remember to make a note of the NJR Ref number upon exiting the record.
- These records can be retrieved, edited and submitted at any time by clicking on ‘Operations’ from the data entry dashboard.

Editing existing operations – “edit stack”

- Selecting this option opens a list of records which require additional information or correction before they can be submitted.

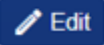

Data Entry ▾ Resources ▾

Please Select an Operation To Edit + Create New Operation

Joint Type	NJR Ref ▾	Surgery Date ▾	Hospital ▾	Edit User ▾	Patient Id ▾	Compone... ▾	MDS ▾	
H K	4000018	09/05/2018	NJR Test Hospital	zzz_Imelle...	123456	Ready:0 Requested:0	7	Edit Delete
A	4000019	01/06/2018	NJR Test Hospital	DEPollyFo...	1a2b3c	Ready:0 Requested:0	7	Edit Delete
K	4000043	01/06/2018	NJR Test Hospital	DEPollyFo...	test	Ready:0 Requested:0	7	Edit Delete
H K	4000068	01/06/2018	NJR Test Hospital	GeriHatch1	789e2uqwio	Ready:0 Requested:0	7	Edit Delete
H K	4000076	28/05/2018	NJR Test Hospital	DEPollyFo...		Ready:0 Requested:0	7	Edit Delete
H	4000078	21/04/2015	NJR Test Hospital	HDMEdwa...		Ready:0 Requested:0	7	Edit Delete
H	4000081	28/05/2018	NJR Test Hospital	DEPollyFo...	%%££!!..@	Ready:0 Requested:0	7	Edit Delete

Page 1 of 29 7 items per page 1 - 7 of 202 items

Editing existing operations – “edit stack”

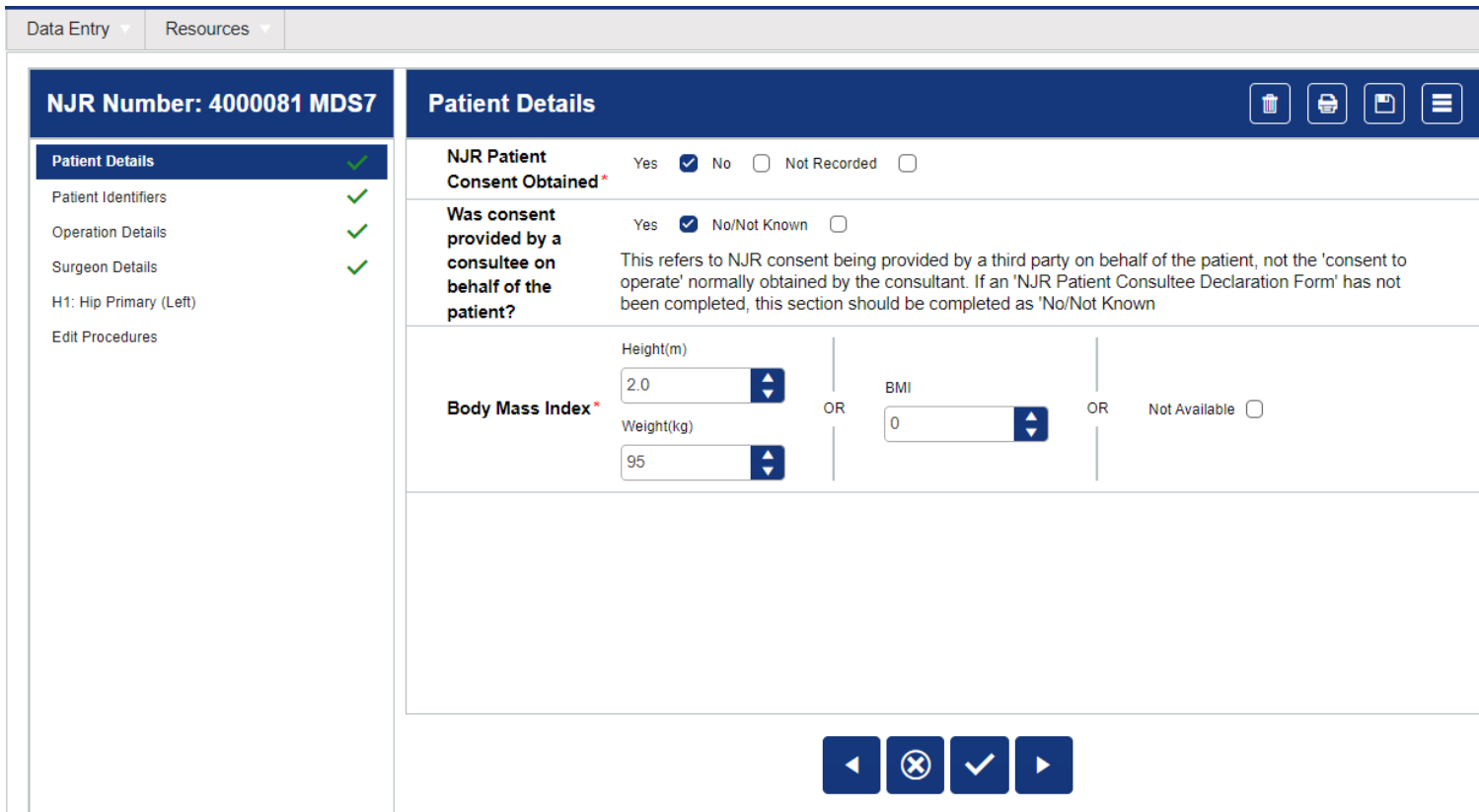
Field	Description
Joint Type	The image will show which joint procedures are associated with the record.
NJR Ref	Filter allows the user to search for specific reference numbers.
Surgery Date	Filter allows the user to search for procedures by date.
Hospital	Filter allows the user to search procedures by hospital.
Edit User	Filter allows the user to search procedures by user. Note: the name that appears next to the record is the last person to have viewed it and is not necessarily the user who created the record.
Patient ID	Filter allows the user to search for specific local patient identifier.
Components	If no requests have been made for missing components both Ready and Requested will be set to 0. If a request for a missing component to be added has been made Requested will be set to 1. Once the missing component has been added to the database Ready will be set to 1 and the component can be added to the procedure.
MDS	Filter allows the user to search for specific MDS versions.
 Edit	Click here to open the record.
 Delete	Only delete a record from the Edit Stack if the procedure has already been submitted using another NJR Reference Number, i.e. created and submitted as a different record, or if the record has been accidentally generated by the user.

- Records in red in the edit stack indicate an unsubmitted record with a possible ‘Never Event’.

Editing existing operations – “edit stack”

Editing a record

- Having clicked on  the record will open as shown in the image below.



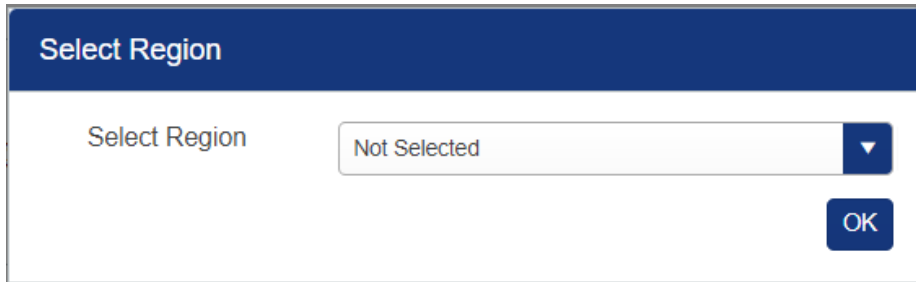
The screenshot shows the 'Patient Details' form for NJR Number: 4000081 MDS7. The form is in edit mode, indicated by the 'Edit' button in the top right corner of the form area. The left sidebar shows a list of sections: Patient Details (checked), Patient Identifiers (checked), Operation Details (checked), Surgeon Details (checked), H1: Hip Primary (Left), and Edit Procedures. The main form area contains the following fields:

- NJR Patient Consent Obtained***: Yes No Not Recorded
- Was consent provided by a consultee on behalf of the patient?**: Yes No/Not Known
This refers to NJR consent being provided by a third party on behalf of the patient, not the 'consent to operate' normally obtained by the consultant. If an 'NJR Patient Consultee Declaration Form' has not been completed, this section should be completed as 'No/Not Known'
- Body Mass Index***: Height(m) OR Weight(kg) OR BMI OR Not Available

At the bottom of the form, there are four navigation buttons: a left arrow, a close button (X), a checkmark, and a right arrow.

Editing existing operations – “edit stack”

- For a multi-region data entry user, a pop-up message will display showing the previously selected option asking the user to confirm the selection.



- If correct, click on “OK”. If not, change the region. Changing the region will delete the following details which will need to be re-entered based upon the revised region.
 - NJR Patient Consent Obtained (and change the consent options available).
 - Hospital.
 - Consultant in Charge (**Note:** *once a record has been submitted this can only be changed by an HDM user*).
 - Operating Surgeon (**Note:** *once a record has been submitted this can only be changed by an HDM user*).
 - Dual Consultant (**Note:** *once a record has been submitted this can only be changed by an HDM user*).





Editing existing operations – “edit stack”

- For a previously saved and unsubmitted record, check the left-hand menu to find crosses against any section.
- If a ⊗ is not visible (as in the screenshot on Slide 59) click on the procedure name to expand the information.
- Click on the section text where the cross appears and a red cross and text will specify the missing information.

Data Entry Resources

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

NJR Number: 4933508 MDS8

Patient Identifiers    

Patient Details ✓

Patient Identifiers ⊗

Operation Details ✓

Surgeon Details ✓


H1: Hip Primary (Right)


Edit Procedures

Forename(s)* Test

Surname* Patient

Sex* Male Female Indeterminate

Date Of Birth* 01/01/1950 





⊗ **Patient postcode*** Overseas Address 

NHS Number or National Patient Identifier (if available)



Patient Hospital ID* 1550x

Patient Email Address

Confirm Patient Email Address

Editing existing operations – “edit stack”

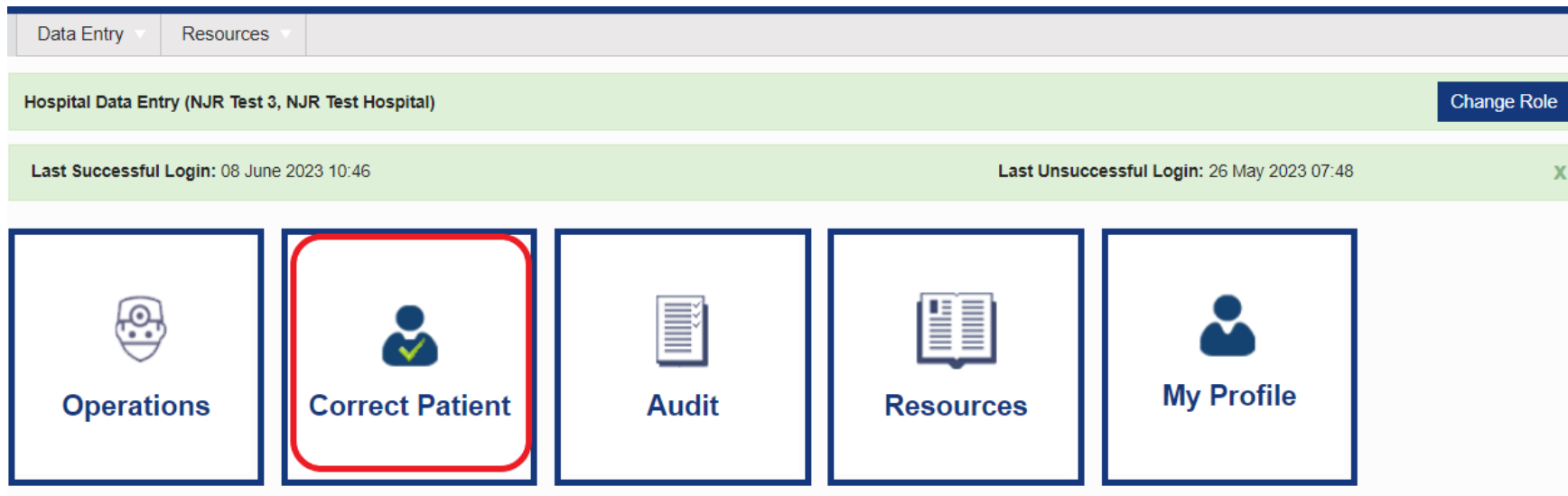
- At this point the toolbar ‘**Submit**’ button is greyed out.
- Correct, or add, required data and click on the  to update the section.
- Repeat for any section with a cross until all sections have a tick in the left-hand column.
- Once complete the ‘**Submit**’ button becomes active. The record may now be submitted using this button or by clicking on  to continue to the ‘Submit Operation’ page. The submit button may be used at any point when it displays as available.

Note: If crosses are not visible in the left-hand column but the record cannot be submitted, there may be an outstanding Component Request, the record is a duplicate or has accidentally been saved to the edit stack.

- Records may also have been put back in the edit stack for audit purposes and anomaly resolution. Ask an NJR Compliance Officer if it is unclear why the record is here.
- Keeping the edit stack clear will require constant monitoring. Any missing or incorrect details should be located as soon as possible so that the records can be submitted. Unsubmitted records will be omitted from key clinical reports.

Correct patient details

- This function lists NJR records that have been submitted with an NHS number/National Patient Identifier that cannot be traced through the appropriate national database.
- It is important that these records are checked because the patient has given their consent to allow the NJR to use their personal details and would expect the record to be correct.
- Select the 'Correct Patient' option from the data entry dashboard or the Data Entry drop-down menu.



The screenshot shows the NJR Data Entry dashboard. At the top, there are navigation tabs for 'Data Entry' and 'Resources'. Below this, a green bar displays 'Hospital Data Entry (NJR Test 3, NJR Test Hospital)' with a 'Change Role' button. A status bar shows 'Last Successful Login: 08 June 2023 10:46' and 'Last Unsuccessful Login: 26 May 2023 07:48' with a close icon. The main dashboard features five icons: 'Operations' (stethoscope), 'Correct Patient' (person with checkmark, highlighted with a red border), 'Audit' (checklist), 'Resources' (book), and 'My Profile' (person icon).

Correct patient details

- An example of a list of untraced records is displayed below.




Data Entry ▾ Resources ▾

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

Include overseas patients

Please select a patient to edit.

Failed Tracing – New Failed Tracing – Multiple

	NJR Ref ▾	Hospital ▾	Hospital ID ▾	Surgery Date ▾	Consultant Surname ▾
 Edit	4815782	NJR Test Hospital	K176546	01/02/2022	caton
 Edit	4519777	NJR Test Hospital	M12345	01/09/2020	Fictitious
 Edit	4481016	NJR Test Hospital	HP123	24/03/2020	Surgeon

- Click on  Edit to display the patient details.

Correct patient details

Data Entry ▾ Resources ▾

Hospital Data Entry (NJR Test 3, NJR Test Hospital)

NJR Number: 4815782 MDS7 Patient Identifiers

Local Patient Identifier

Forename(s)*

Surname*

Sex* Male Female Not Known Not Specified

Date Of Birth*

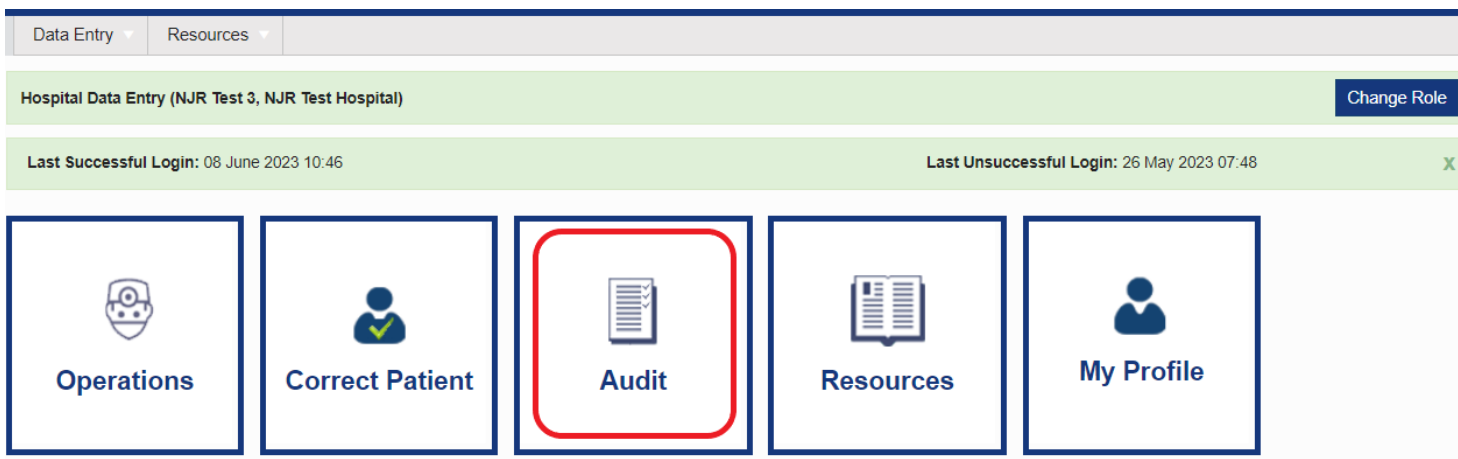
Patient Postcode* Overseas Address

NHS Number*

- Check all the displayed details and amend, if incorrect.
- If the NHS number field is blank, complete the details.
- If the patient is from overseas, click on the 'Overseas Address' tick box.
- It may be that there are no changes to be made.
- If the details shown are CORRECT, click .
- If any details have been AMENDED, click .
- When the NJR next tries to link all submitted procedures:
 - If tracing is successful, the record will disappear from the list.
 - The record may remain untraced and the record continues to display in the list. However, the record will remain submitted to the NJR.
- Once records have been addressed, please inform your NJR Compliance Officer.

Data Quality

- For the purposes of the NJR's data quality audit programme, a user with Data Uploader rights can upload .csv files containing procedure details from the provider Patient Administration Systems (PAS) via the NJR data entry system. These files are then compared to records submitted to the NJR. This functionality enables data entry users to review the outcome of these comparisons. Files may be loaded throughout the year rather than only once the financial year is complete e.g. files may be loaded monthly, quarterly etc. Data files are cumulative e.g. if the audit is carried out quarterly the first file uploaded should contain procedures carried out between 01/04/20xx and 30/06/20xx, the second file should contain procedures carried out between 01/04/20xx and 30/09/20xx. Only the latest file uploaded for any audit year is available to edit.
- Select 'Audit' from the data entry dashboard or the Data Entry drop-down menu.



The screenshot shows the NJR data entry dashboard. At the top, there are two dropdown menus: 'Data Entry' and 'Resources'. Below them is a green bar with the text 'Hospital Data Entry (NJR Test 3, NJR Test Hospital)' and a 'Change Role' button. A status bar below that shows 'Last Successful Login: 08 June 2023 10:46' and 'Last Unsuccessful Login: 26 May 2023 07:48' with a close icon. The main dashboard area contains five icons in a row: 'Operations' (goggles), 'Correct Patient' (person with checkmark), 'Audit' (document with checkmark, highlighted with a red rounded rectangle), 'Resources' (book), and 'My Profile' (person icon).







Data Quality

- The following screen, showing uploaded provider files, will be displayed.

Data Entry ▾ Resources ▾

Hospital Data Entry (NJR Test 3, NJR Test Hospital)



Selected Hospital: NJR Test Hospital [NJR Test Trust] ▾

Audit Year ▾	File ▾	Upload Date ▾	Processed Date ▾	Compliance Rate % ▾	Edit Audit	Summary Results	Flag for Reprocess
201920	NJR Test 1920_lm_kw.csv	12/05/2020	22/06/2020	2.50	 Edit	 View	<input type="checkbox"/>
201920	NJR Test 1920_lm_kw.csv	12/05/2020	22/06/2020	2.44		 View	
201920	NJR Test 1920_lm_kw.csv	12/05/2020	20/06/2020	2.44		 View	
201920	NJR Test 1920_lm_kw.csv	12/05/2020	12/05/2020	4.88		 View	
201920	NJR Test 1920_lm_kw.csv	12/05/2020	12/05/2020	4.88		 View	

- If the user is associated with more than one hospital, the ‘Selected Hospital’ drop-down list should be used to select the appropriate hospital.

Data Quality

- The following information is provided for each file that has been uploaded.

Field	Description
Audit Year	e.g. 2020 = audit FY2020_21
File	Name of file uploaded
Upload Date	Date file was uploaded
Processed Date	Date file was processed
Compliance Rate %	% compliance (% match between NJR and provider records)
Edit Audit	Select  to view match results and update record status.
Summary Results	Select  to display audit summary results page.
Flag for Reprocess	Select check box to send file for reprocessing following record status update. Files flagged for reprocessing will be reprocessed overnight (there is no need to re-upload the file).

Data Quality

Summary Results

- Select **View** to display audit summary results page for a file.

Data Entry Resources

Select Hospital NJR Test Hospital [NJR Test Trust] File NJR Test.csv Processed Date 31/03/2021

Selected Joint Type All Compliance Rate 0.00 %

	Total Hip	Total Knee	Total Ankle	Total Elbow	Total Shoulder	Other
Provider Records Submitted	0	3	0	0	0	0
Provider Records NJR Consent Refused	0	0	0	0	0	0
Bilateral Records	0	0	0	0	0	0
NJR Records Selected	117	4	6	2	2	0
NJR Records Excluded as no consent	5	8	0	1	8	0
Records Matched	0	0	0	0	0	0
Partially Matched Records	0	0	0	0	0	0
NJR Unmatched	117	4	6	2	2	0
Provider Unmatched	0	3	0	0	0	0

- The top half of the page shows the number of provider records and NJR records (by total and broken down by joint and procedure type) for the selected hospital/file combination.

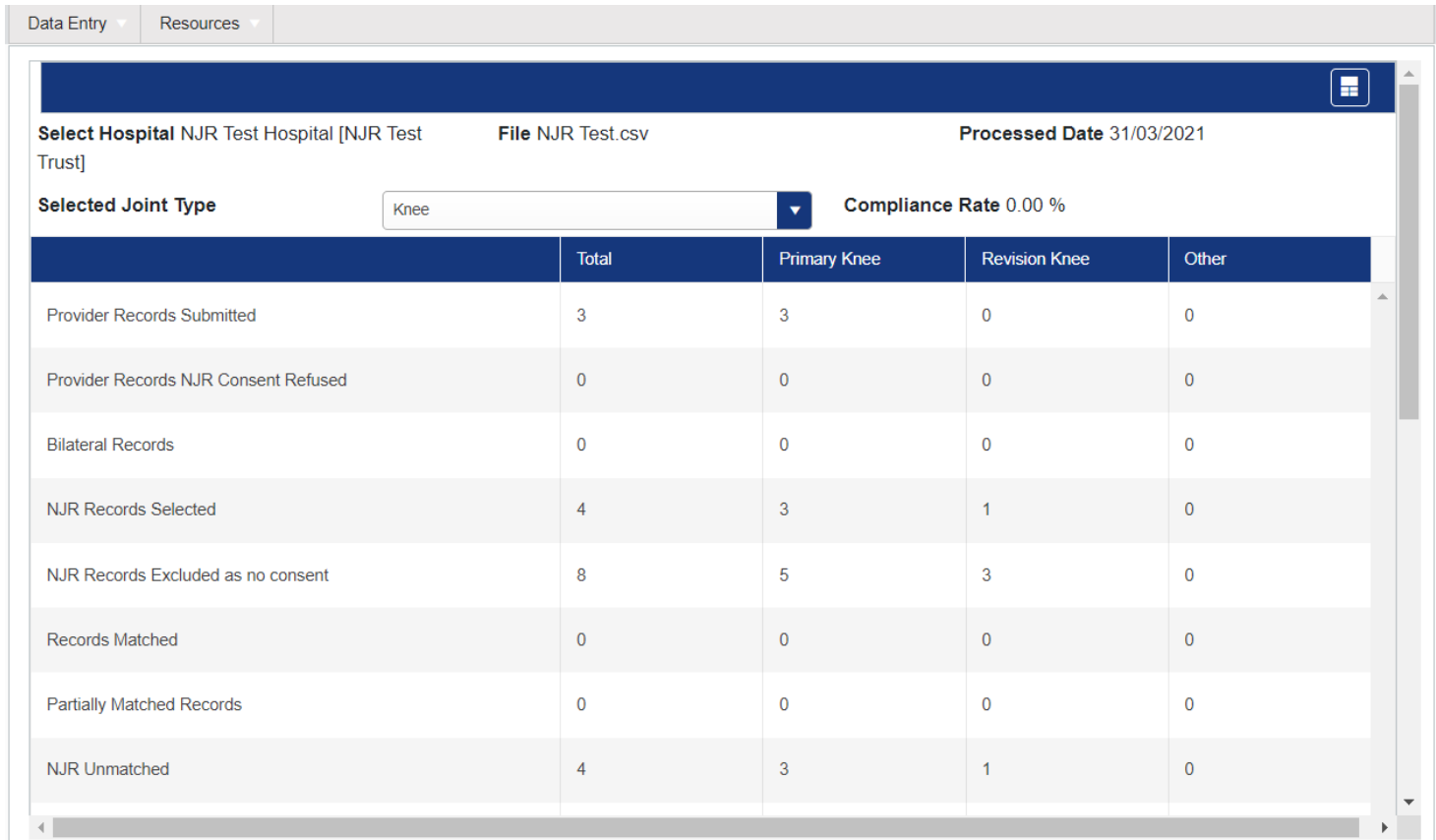
Data Quality

- The bottom half of the screen shows the user selected reason why the provider records do not match the NJR records. Upon initial load of the file all unmatched records will show as 'No Status Set'.

Of which: (reason why the provider records are not matching with the NJR records)						
Failed to Submit to NJR	0	0	0	0	0	0
Failed to Submit to NJR - Notes requested	0	0	0	0	0	0
Not an NJR Procedure	0	2	0	0	0	0
Procedure Cancelled	0	1	0	0	0	0
Notes Not Available	0	0	0	0	0	0
Procedure Not Included in Audit	0	0	0	0	0	0
Provider Data Incorrect	0	0	0	0	0	0
Procedure Performed at a Different Unit	0	0	0	0	0	0
Submitted with incorrect operation date	0	0	0	0	0	0
Submitted with incorrect patient ID	0	0	0	0	0	0
No Status Set	0	0	0	0	0	0

Data Quality

- By default, the screen displays information for all joints. To filter by joint, select the required joint from the 'Selected Joint Type' drop-down list.




The screenshot shows the NJR Data Quality interface. At the top, there are tabs for 'Data Entry' and 'Resources'. Below the tabs, the interface displays the following information:

- Select Hospital: NJR Test Hospital [NJR Test Trust]
- File: NJR Test.csv
- Processed Date: 31/03/2021
- Selected Joint Type: Knee (dropdown menu)
- Compliance Rate: 0.00 %

The main data is presented in a table with the following columns: Total, Primary Knee, Revision Knee, and Other. The rows represent different categories of audit records.

	Total	Primary Knee	Revision Knee	Other
Provider Records Submitted	3	3	0	0
Provider Records NJR Consent Refused	0	0	0	0
Bilateral Records	0	0	0	0
NJR Records Selected	4	3	1	0
NJR Records Excluded as no consent	8	5	3	0
Records Matched	0	0	0	0
Partially Matched Records	0	0	0	0
NJR Unmatched	4	3	1	0

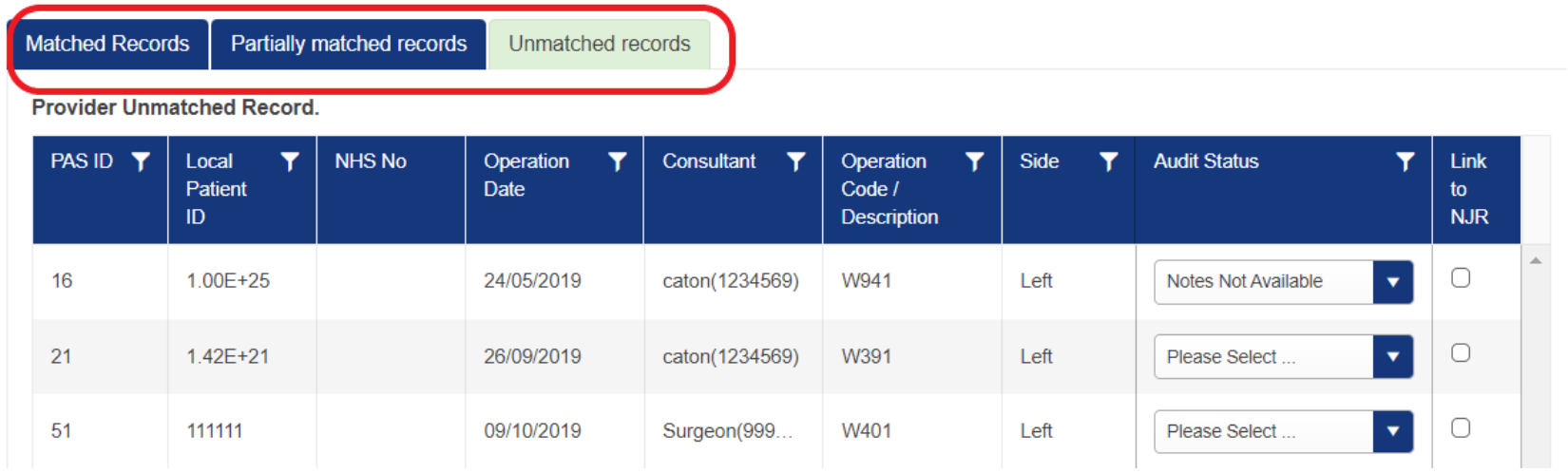
- To view audit results and update the status of audit records, return to the Audit Summary home page by selecting  at the top right of the screen.

Note: if the user is associated with more than one hospital, the hospital will need to be re-selected upon return to the Audit Summary screen.

Data Quality

Edit Audit

- Click on  to access the Edit Audit screens.
- There are 3 audit result categories: ‘Unmatched records’, ‘Partially matched records’ and ‘Matched records’.



Matched Records Partially matched records **Unmatched records**

Provider Unmatched Record.

PAS ID	Local Patient ID	NHS No	Operation Date	Consultant	Operation Code / Description	Side	Audit Status	Link to NJR
16	1.00E+25		24/05/2019	caton(1234569)	W941	Left	Notes Not Available	<input type="checkbox"/>
21	1.42E+21		26/09/2019	caton(1234569)	W391	Left	Please Select ...	<input type="checkbox"/>
51	111111		09/10/2019	Surgeon(999...	W401	Left	Please Select ...	<input type="checkbox"/>

- The results screen defaults to the ‘Unmatched records’ tab.
- To view ‘Matched Records’ or ‘Partially Matched records’ results, click on the appropriate tab.

Unmatched records

- The 'Unmatched records' screen comprises 2 sections:
 - 'Provider Unmatched Record' – displays records in the uploaded provider file which could not be matched to a corresponding record on the NJR database. These are the records which affect audit compliance and should be prioritised. Procedures which have been carried out on patients who had said 'No' to their personal data being held on the NJR will appear in this section.
 - 'NJR Unmatched Record' – displays records on the NJR database which could not be matched to a corresponding record in the uploaded provider file.
- All fields in both sections on the page can be filtered to aid in finding and matching records. Where an OPCS code is listed, the description will be displayed if the cursor is hovered over the code.
- Records are matched on local patient ID or NHS number, date of operation and procedure. If the local patient IDs are different and there is no NHS number, records will not match.
- Review all 'Provider Unmatched' records and select a Status using the Audit status drop-down list.

Data Quality

Provider Record Audit Status Outcomes	Definition
Failed to submit to NJR	Procedure to be submitted to the NJR.
Failed to submit to NJR – notes requested	Procedure to be submitted to the NJR may be delayed as notes are no longer on site.
Procedure Cancelled	Procedure did not take place.
Notes Not Available	Procedure cannot be submitted to the NJR as notes are not available.
Not an NJR Procedure	Procedure is not an NJR procedure.
Procedure not included in Audit	Whilst an NJR Procedure, it is not currently included in the audit.
Provider Data incorrect	Provider record is incorrect.
Procedure Performed at a different unit	Procedure was carried out at another hospital therefore there will be no corresponding NJR record submitted by the hospital.
Awaiting component requests from Suppliers.	Items which are in the edit stack owing to missing component information with the NJR.

Provider Record Audit Status Options	Definition
NJR Consent refused	Record cannot be matched as the patient has declined consent. If this status is selected all provider procedure information (except the PAS ID) will be removed from the database. Any future files including the PAS ID will be stripped from the file prior to loading. Please ensure that this is the correct action before selecting this status as the provider record will not be able to be loaded again. If this option is selected a pop-up box will appear stating “This status should only be used if the consent indication on the NJR record is “No”. Selecting it will permanently remove this procedure from all future audits. Are you sure you wish to continue? Yes/No”.
Submitted with incorrect operation date.	Operation date is incorrect. The NJR record will need to be amended and resubmitted.
Submitted with the incorrect patient ID	The patient ID is incorrect. The NJR record will need to be amended and resubmitted.

Data Quality

Data Entry Resources

Selected Hospital NJR Test Hospital [NJR Test Trust] File NJR Test 1920_lm_kw.csv Last Processed Date 22/06/2020

Matched Records Partially matched records Unmatched records

Provider Unmatched Record.

PAS ID	Local Patient ID	NHS No	Operation Date	Consultant	Operation Code / Description	Side	Audit Status	Link to NJR
16	1.00E+25		24/05/2019	caton(1234569)	W941	Left	Notes Not Available	<input type="checkbox"/>
21	1.42E+21		26/09/2019	caton(1234569)	W391	Left	Failed to Submit to NJR	<input type="checkbox"/>
51	111111		09/10/2019	Surgeon(999...	W401	Left	Procedure Cancelled	<input type="checkbox"/>

- Review all 'NJR Unmatched records' and select a status using the Audit status drop-down list.

Note: Audit status should be selected prior to editing the NJR record.

NJR Record Audit Status Options	Definition
Incorrect Patient ID	Patient ID incorrect. Click on 'Edit', update record and re-submit.
Incorrect Operation Date	Operation date is incorrect. Click on 'Edit', update record and re-submit.
Correct Submission	Submitted record is correct.
Incorrect Submission	Record has been submitted to the NJR in error. The NJR record should then be edited or deleted as appropriate.
Notes Not Available	Unable to validate as patient notes are not available.
No PAS record	Record correctly submitted to the NJR. No corresponding provider record.

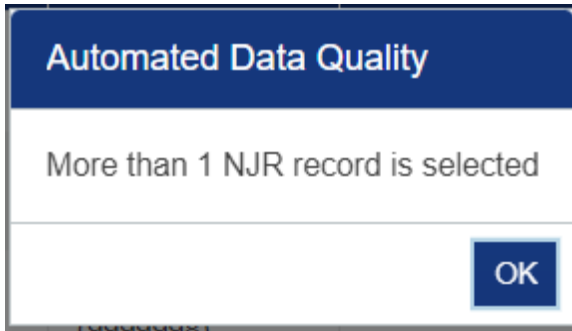
Note: Any record with an **LR** icon has at least 1 linked event (either a revision or mortality event) associated with it.

- The ability to amend any field on a record with a linked event is restricted to HDM users.

Data Quality

Manually matching records

- Procedures which did not get automatically matched can be linked manually. Only one record on the 'Provider Unmatched Records' section and 'NJR Unmatched Records' section should be selected, unless a bilateral procedure is selected and then two corresponding records can be chosen. If more than one record on the 'NJR Unmatched Record' section is selected an error message will be displayed.



- Click 'OK', deselect one procedure on the 'NJR Unmatched Record' section and click 'Link PAS to NJR'. The records will immediately be removed from the 'Unmatched records' screen and when the audit is re-processed the two records will appear on the 'Partially matched records' tab and should be reviewed to ensure that the NJR record is correct.

Data Quality

Bilateral procedures

- Bilateral procedures on the 'Unmatched records' tab can also be manually matched by selecting a bilateral record from the 'Provider Unmatched' section and two NJR single procedures (one left- and one right-sided procedure for the same patient), or two provider records and one NJR bilateral record. Select the 'Provider Unmatched' bilateral procedure and the corresponding two procedures on the NJR Unmatched Record section. Click 'Link PAS to NJR'.
- The records will immediately be removed from the Unmatched screen and when the audit is re-processed the three records will appear on the 'Partially matched records' tab and should be reviewed to ensure that the NJR records are correct.

Data Quality

Partially matched records

- Click on the 'Partially matched records' tab.

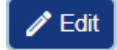
Matched Records | **Partially matched records** | Unmatched records

Partial Matched Record (Any records with LR has a linked procedure).

	PAS Id / NJR Index No	Local Patient ID	NHS No	Operation Date	Consultant	Side	Operation Code	Audit Status	
PAS	123	xxxxxx	xxxxxxxxxx	04/01/2021	SurgeonA		W941	Please ...	
NJR	500000	xxxxxx	xxxxxxxxxx	05/01/2021	SurgeonA	Right	Hip Primary		Edit

- This page displays records which the match logic has determined could be a match but there is a slight mismatch on one or more fields. Mismatched fields are highlighted with a red background. Where an OPCS code is listed, the description will be displayed by hovering the cursor over the code.

Data Quality

- If the records are a match but the NJR record is incorrect, click on . Once the record has been amended and re-submitted, the file may be re-processed. Following re-processing, the records will move to the matched screen.
- If the records are a match but the provider record is incorrect, select 'NJR Record Correct' from the Audit status drop-down list to confirm that the information in the NJR record is correct. Following re-processing, the records will move to the matched screen.
- If, following review of the two records, it is determined that they are not a match select 'Records do not match' from the Audit status drop-down list. Following re-processing the records will move to the unmatched screen. These two records will not be matched during future processing unless either record is changed in the meantime.
- If a partially matched record has two mismatched fields where one of the fields is incorrect on the NJR record and one incorrect on the provider record, correct the NJR record first and re-process the file. Once re-processed, update the provider record status to 'NJR Record Correct' and reprocess. The record will then move to the matched screen.

Data Quality

Matched Records


- Click on the 'Matched Records' tab.
- This page displays NJR and provider records which the system logic has determined are a full match. **Note:** currently 'Side' is only used to determine duplicates and bilateral procedures, therefore records which show a different side, as in the second record in the example below, are considered a match but should be checked for data quality and the NJR record amended if required. A missing NHS Number is not considered a mismatch.

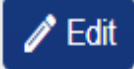
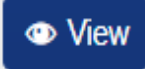

Matched Records Partially matched records Unmatched records

Matched Record.

	PAS Id / NJR Index No	Local Patient ID	Operation Date	Consultant	Side	Operation Code
PAS	7	yyyyy	16/10/2020	SurgeonB		W941
NJR	5000001	yyyyy	16/10/2020	SurgeonB	Left	Hip Primary

Data Quality

- Once unmatched and partial matches have been reviewed and statuses updated as required, return to the Audit Summary home page by selecting  at the top right of the screen. Click on the 'Flag for Reprocess' box for the required file.

Audit Year	File	Upload Date	Processed Date	Compliance Rate %	Edit Audit	Summary Results	Flag for Reprocess
201920	NJR Test 1920_Im_kw.csv	12/05/2020	22/06/2020	2.50	 Edit	 View	

- The flagged file will be re-processed overnight and will be available to edit the following day.

NJR Data Utilities

- [Introduction](#) – Purpose of guide
- [Hospital Data Manager functionality](#) – Amend restricted fields on records in edit stack, associate and remove surgeons, access data reports
- [Data Quality Uploader functionality](#) – Data quality file specification, data quality file upload

Introduction

This section describes the additional Data Entry functionality available to Hospital Data Manager (HDM) and Data Quality Uploader account holders.

Having selected the Data Utilities tile in NJR Connect – Data Services, the user is granted access to additional functionality.



Hospital Data Manager functionality

Hospital Data Manager functionality

A Hospital Data Manager can carry out the following activities:

Amend restricted fields on records put back into the edit stack

Changes to the name of a Consultant in Charge, Operating Surgeon Number One or a Dual Consultant (on a dual consultant procedure) following submission of a record to the NJR can only be made by an HDM user. Under no circumstances should any other type of user be permitted to make such a change and any request to make such a change must only be made with the consent of all surgeons concerned.

Associate and remove surgeons from the hospital

HDM users have the rights to add or remove surgeons as they start and finish work at the hospital.

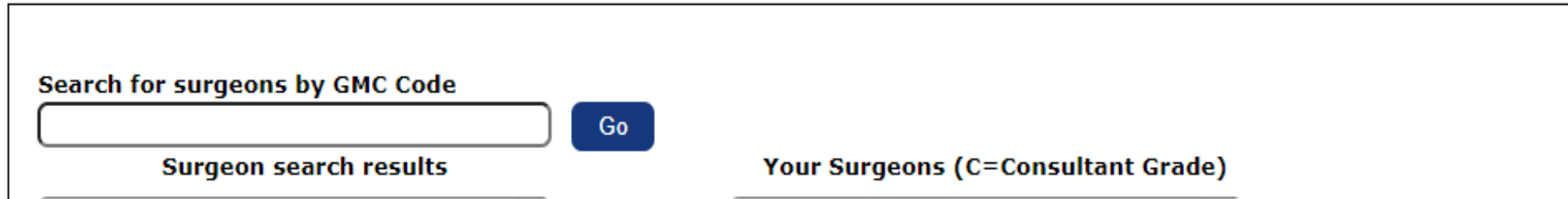
▼ System Functions

▶ Manage the surgeons at your hospital

- Select 'Manage the surgeons at your hospital'.

Hospital Data Manager functionality

Welcome to the 'Manage surgeons' screen. This screen allows you to add and remove surgeons from your hospital.



The screenshot shows a search interface for surgeons. On the left, there is a search bar with the placeholder text "Surgeon search results" and a "Go" button. On the right, there is a section titled "Your Surgeons (C=Consultant Grade)".

- A list of surgeons who currently work at the hospital will be displayed on the right of the screen.
- A “(C)” next to the name indicates that they have been entered onto the NJR as a consultant surgeon.

Note: If associated with more than one hospital, the HDM can only associate surgeons to the hospital which they selected in NJR Connect – Data Services. To change hospitals, log out and go back to NJR Connect – Data Services and change the role to re-access this functionality with a different hospital.

Hospital Data Manager functionality

Search for surgeons by GMC code

Search for surgeons by GMC Code

Go

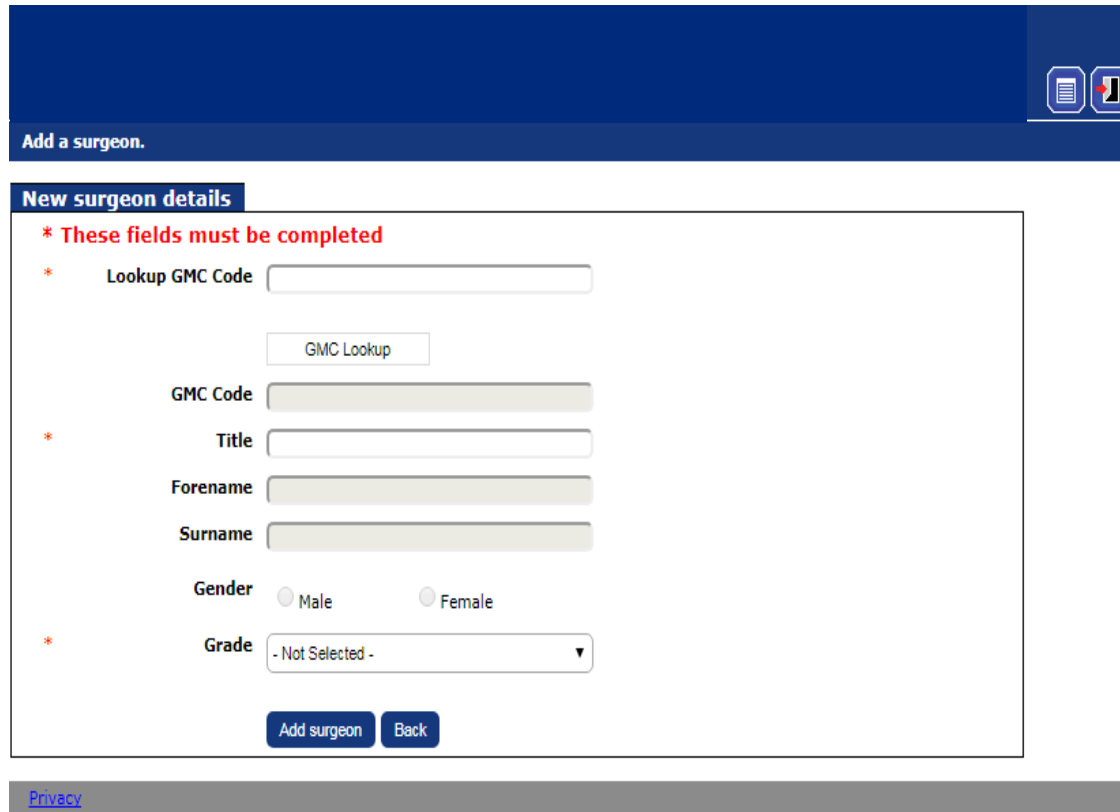
Surgeon search results

Add >

- To add a surgeon:
- Type the GMC code in the box labelled 'Search for surgeon by GMC code' and then select 'Go'.
- Select the surgeon to be associated to the hospital.
- Select **Add >**.
- The name of the selected surgeon will then appear in the list of surgeons in the right-hand box ('Your Surgeons').
- If the required surgeon does not appear in the search results:
- Select **Add surgeon** on the right side of the screen.

Hospital Data Manager functionality

- To use this option the surgeon's GMC number is required.



Add a surgeon.

New surgeon details

* These fields must be completed

* Lookup GMC Code

GMC Code

* Title

Forename

Surname

Gender Male Female

* Grade

[Privacy](#)

- Mandatory fields are denoted by *.
- Type in the surgeon's seven-digit GMC number and select "**GMC Lookup**".
- If the surgeon is on the GMC register but is not already in the NJR system, the Forename and Surname fields will populate.
- Enter the "**Title**" and "**Grade**" then select .
- Return to the "Manage Surgeons at your hospital" screen and follow the instructions above. If the surgeon is already on the NJR system, you will get an error message asking you to contact the Service Desk.

Hospital Data Manager functionality

- Once added, the surgeon will appear in the right-hand list on the “Manage Surgeons” screen and in the consultant in charge and operating surgeon drop-down lists when you enter any procedure record via the data entry system.

Data Quality Uploader functionality

Data Quality Uploader functionality

Data Quality file specification

- Upload file rules:
 - The first row must contain the column headings exactly as they are in the example file.
 - The PAS ID should be the number used within the hospital to identify that episode of admitted patient care. This could be the 'SPELLID' or 'EPIKEY'. This field is mandatory and must be unique within the file; the file will be rejected if it contains duplicate PAS IDs. If a duplicate PAS ID is identified, an extra letter or number could be added to the end of the ID to make it unique.
 - 'Local Patient ID Number' is a mandatory field; any file that contains records with this field blank will be rejected.
 - 'OPCS Code' and 'Procedure Description': at least one of these fields must be populated for each record. Any file that contains records with both of these fields blank will be rejected.

File	Details
Format	CSV
Fields (and order) to be included in file	PAS ID NHS Number Local Patient ID number OPCS code Procedure description Date Of Operation Consultant in charge surname Consultant in charge GMCCode Side

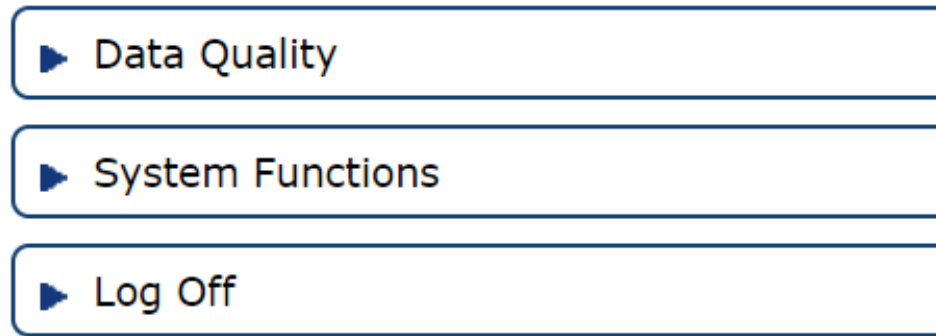
Data Quality Uploader functionality

- The format of the 'Date of Operation' field must be DD/MM/YYYY. Any file containing records with other date formats will be rejected.
- Data files may cover any time period within the audit year e.g. a month, a quarter etc. Data files are cumulative e.g. if the audit is carried out quarterly the first file uploaded should contain procedures carried out between 01/04/20xx and 30/06/20xx. The second file uploaded should contain procedures carried out between 01/04/20xx and 30/09/20xx.
- For 'Consultant in Charge', both the 'GMC Code' and 'Surname' must be completed.
- The 'Side' field can be entered as either text or OPCS code (e.g. Left/Right/Bilateral or Z943/Z942/Z941 or L/R/B).
- Fields must NOT contain commas.
- When uploading data, any record with a procedure date outside of the dates specified on the upload screen will be excluded.

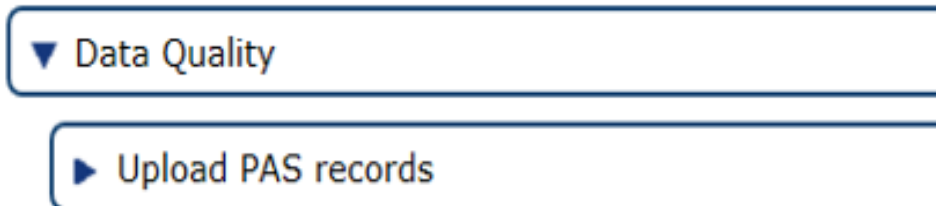
Data Quality Uploader functionality

Data Quality file upload

- Selecting Data Utilities will display the following menu options:



- Selecting the 'Data Quality' option provides a new sub-option 'Upload PAS records':



Data Quality Uploader functionality

- Select 'Upload PAS records' to display the upload screen.
- For all Data Uploader users, the following fields on the 'Upload PAS records' screen will be pre-populated when the screen opens:

Field	Pre-populated data
Trust/Health board/Independent Group	Trust/Health board/Independent Group with which the user is associated.
Audit Year	Earliest open audit year on system.
Audit Data Period Start Date	First date in the earliest open audit year.
Contact Name	Data Uploader name.
Contact Email	Data Uploader email address.
Contact Telephone	Data Uploader telephone number.

- Data Uploader users may be associated with multiple hospitals within a 'Trust/Health board/Independent Group'. If the user is associated with only one hospital, the 'Hospital' field will also be pre-populated.

Data Quality Uploader functionality

Trust/Healthboard/Independent Group	NJR Test Trust
Hospital	NJR Test Hospital
Audit Year	201819
Audit Data Period Start Date	01/04/2018
Audit Data Period End Date	31/03/2019
Contact Name	Data Uploader
Contact Email	DU@xxx.com
Contact Telephone	00000 111111
Select PAS File	Choose file No file chosen
<input type="button" value="Save"/> <input type="button" value="Reset"/>	

- If the user is associated with more than one hospital within the 'Trust/Health board/Independent Group', a hospital must be selected in order to upload a file.
- Clicking on the drop-down arrow on the 'Hospital' field will display all hospitals with which the user is associated.

Trust/Healthboard/Independent Group	NJR Test Trust
Hospital	Please Select...
Audit Year	Please Select...
Audit Data Period Start Date	NJR Test Hospital
Audit Data Period End Date	NJR Test 3
Contact Name	31/03/2019
Contact Email	Data Uploader
Contact Telephone	DU@xxx.com
Select PAS File	00000 111111
<input type="button" value="Save"/> <input type="button" value="Reset"/>	

Data Quality Uploader functionality

- Click on the required hospital name to populate this field.
- Click on the drop-down arrow on the Audit Year field to select required Data Quality Audit year.
- If the audit year is changed, the Audit Data Period Start Date will automatically change to the start date in the selected audit year.
- Enter the Audit Data Period End Date (last procedure date in the file to be submitted) either by typing in the date manually or by selecting the date using the drop-down calendar.

Trust/Healthboard/Independent Group	<input type="text" value="NJR Test Trust"/>
Hospital	<input type="text" value="NJR Test Hospital"/>
Audit Year	<input type="text" value="201819"/>
Audit Data Period Start Date	<input type="text" value="01/04/2018"/>
Audit Data Period End Date	<input type="text" value="31/07/2018"/>
Contact Name	
Contact Email	
Contact Telephone	
Select PAS File	

July 2018

	M	T	W	T	F	S	S
26							1
27	2	3	4	5	6	7	8
28	9	10	11	12	13	14	15
29	16	17	18	19	20	21	22
30	23	24	25	26	27	28	29
31	30	31	1	2	3	4	5

- Check that the contact details are correct. If not, please update.

Data Quality Uploader functionality

- Select the file to be uploaded by clicking on the **Choose file** button. This will open File Explorer. Navigate to the required location, select the file to be uploaded, and click on 'Open'.
- When the required file name appears in the 'Select PAS File' field, click on **Save** to upload the file.
- If any details on the screen are incorrect, click **Reset** to clear the fields and start again.
- If an attempt is made to upload a file which has previously been uploaded, the message shown below will be displayed. To continue, click the appropriate response.

Upload PAS File

A file has previously been uploaded for NJR Test Hospital for the period 01/04/2018 - 31/03/2019. Are you sure you wish to proceed?

Data Quality Uploader functionality

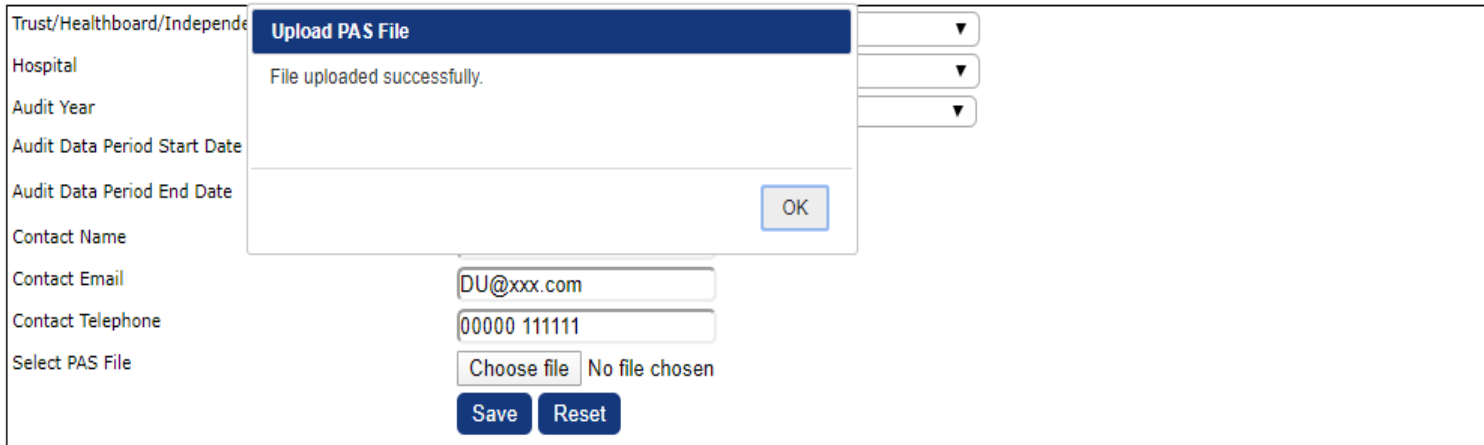
- If there are errors in the format, the file will fail to upload and an error message will appear on the screen outlining the issue, e.g.:

Trust/Healthboard/Independent Group	<input type="text" value="NJR Test Trust"/>
Hospital	<input type="text" value="NJR Test Hospital"/>
Audit Year	<input type="text" value="201819"/>
Audit Data Period Start Date	<input type="text" value="01/04/2018"/>
Audit Data Period End Date	<input type="text" value="31/03/2019"/>
Contact Name	<input type="text" value="Data Uploader"/>
Contact Email	<input type="text" value="DU@xxx.com"/>
Contact Telephone	<input type="text" value="00000 111111"/>
Select PAS File	<input type="button" value="Choose file"/> No file chosen
	<input type="button" value="Save"/> <input type="button" value="Reset"/>

Incorrect number of columns in CSV File

Data Quality Uploader functionality

- In this case, please correct the content of the file and re-attempt the submission. If the file uploads successfully, the following message will appear:





The screenshot shows a web form for uploading PAS files. A modal window titled "Upload PAS File" is open, displaying the message "File uploaded successfully." and an "OK" button. The background form contains the following fields:

- Trust/Healthboard/Independent: [Dropdown menu]
- Hospital: [Dropdown menu]
- Audit Year: [Dropdown menu]
- Audit Data Period Start Date: [Text input]
- Audit Data Period End Date: [Text input]
- Contact Name: [Text input]
- Contact Email: [Text input with value "DU@xxx.com"]
- Contact Telephone: [Text input with value "00000 111111"]
- Select PAS File: [Choose file] No file chosen
- [Save] [Reset] buttons

- Click on to clear the message and return to the 'Data Upload' screen.
- Once the file is uploaded it moves to the data verification stage. If the file fails verification, an email entitled '**Invalid NJR Data Quality Audit Data Submission (content) - Action Required**' will be sent to the Data Uploader providing details of the reason(s) for failure.
- Please correct the data in the file and upload again.

Data Quality Uploader functionality

- Click on  to return to the main menu screen or  to log off.
- If the file passes verification, an email will be sent to the registered Data Entry and Hospital Data Manager users for the organisation to which the uploaded file relates.

Clinician Feedback user guide









- [Introduction](#) - Purpose of the guide
- [Icons used in the Connect application](#) - An explanation of the icons used in the application
- [The Clinician Feedback dashboards](#) - A guide to the dashboard tiles
- [Reporting](#) - An overview of report types used in Clinician Feedback
- [Dynamic reports](#) - The layout and features explained
- [Alert Events](#) - How to review and manage the alerts
- [Consultant Outcomes Publication](#) - A preview of your data
- [Implant library](#) - How to access the Reports

Introduction







This document presents a guide to the NJR Connect - Data Services application and describes what is available in Clinician Feedback.

Icons used in the Connect application



General Icons

	Indicates that the associated text is for information only
	Navigates back to the application landing page
	On a menu option this indicates that there are further options that can be selected
	Refreshes a list of items
	Indicates that a table of data is sorted in descending order by this column
	Indicates that a table of data is sorted in ascending order by this column
	Indicates that there are additional options when this icon is clicked
	Indicates that there is an issue with the data in the related field





Report Icons

	Indicates the ability to reset any applied filters to the default setting
	Indicates the ability to print the current page
	Within a report table, indicates that additional options are available <u>e.g.</u> exporting the data to a Spreadsheet
	Within a report, indicates the ability to close an expanded page <u>e.g.</u> apply filters
	Where a report is displayed as a chart, this converts the data into tabular format
	Where a report is displayed in tabular format, this converts the data into a chart

Funnel Plot Icons

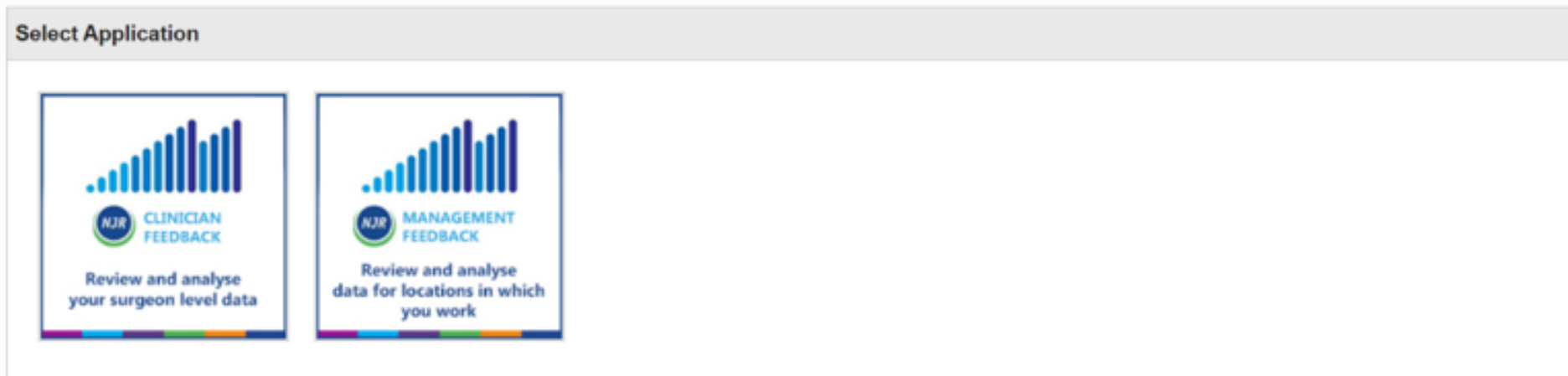
	Clicking this icon will hide all other surgeon plots
	Clicking this icon will display plots for all surgeons

Static Report Icons

	Indicates that this report has not yet been downloaded
	Indicates that the selected report is an Excel spreadsheet that has been downloaded
	Indicates that the selected report is a pdf file that has been downloaded
	Indicates that the displayed reports can be filtered by the content of this column

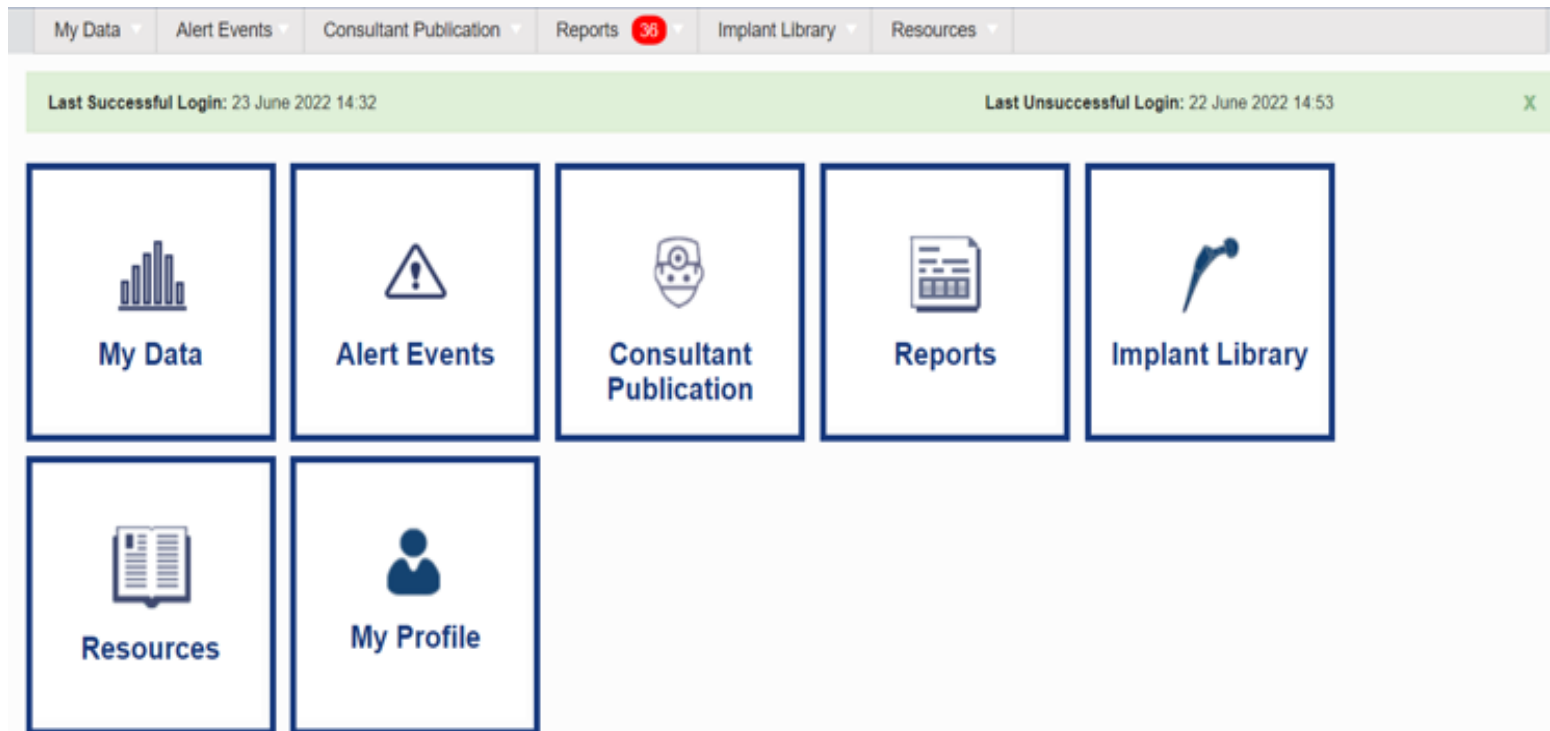
The Clinician Feedback dashboards


- When logging on as either Consultant in Charge or Lead Surgeon, users will be presented with the 'Select Application' screen, showing tiles for both Clinician Feedback and Management Feedback. Selecting the Clinician Feedback tile will provide access to data and information related to their assigned surgeon role. If the Management Feedback tile is selected, users will be able to access aggregated data for those hospitals with which they are associated within Management Feedback. Based upon a user's role (e.g. Clinical Liaison Lead), they will have visibility of additional hospital level reports within Management Feedback.



The Clinician Feedback dashboards

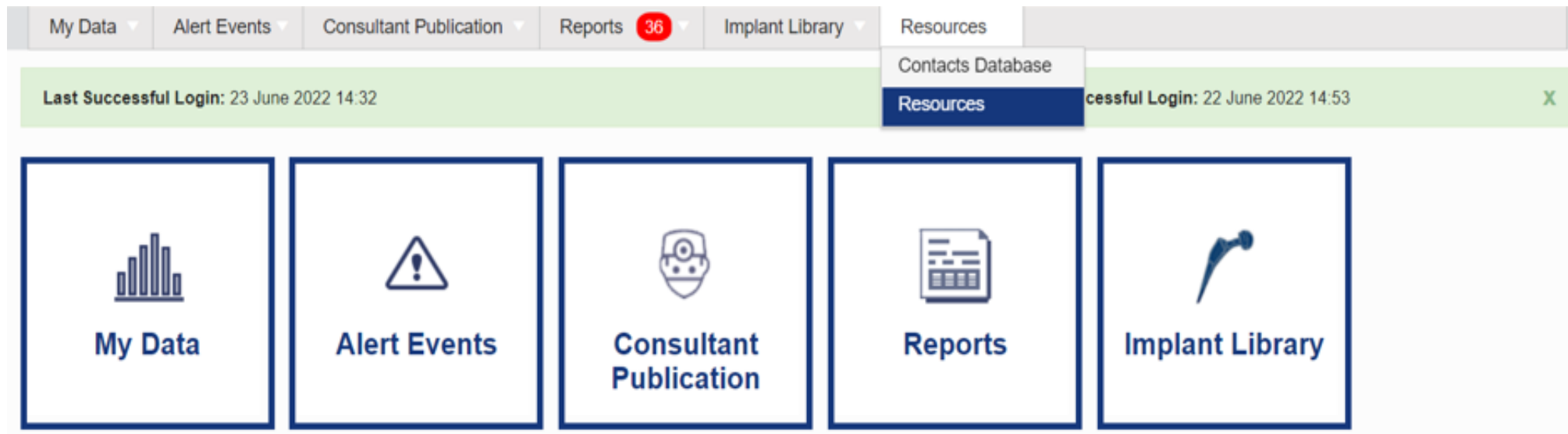
- Once a user has accessed their dashboard in Clinician Feedback various icons will be displayed depending on the user's level of access:



- Clicking on these icons will take the user to the relevant functionality. Some icons provide access to more than one function and, where this is the case, clicking on the icon will take the user to the first item listed in the menu. To access a different area of functionality, the menu options can be used. Throughout the application, whenever there is a downward white triangle (), then the drop-down menu options are available. If the user knows they do not want to access the default functions the icons offer, then the menu options can also be used throughout the application.

The Clinician Feedback dashboards

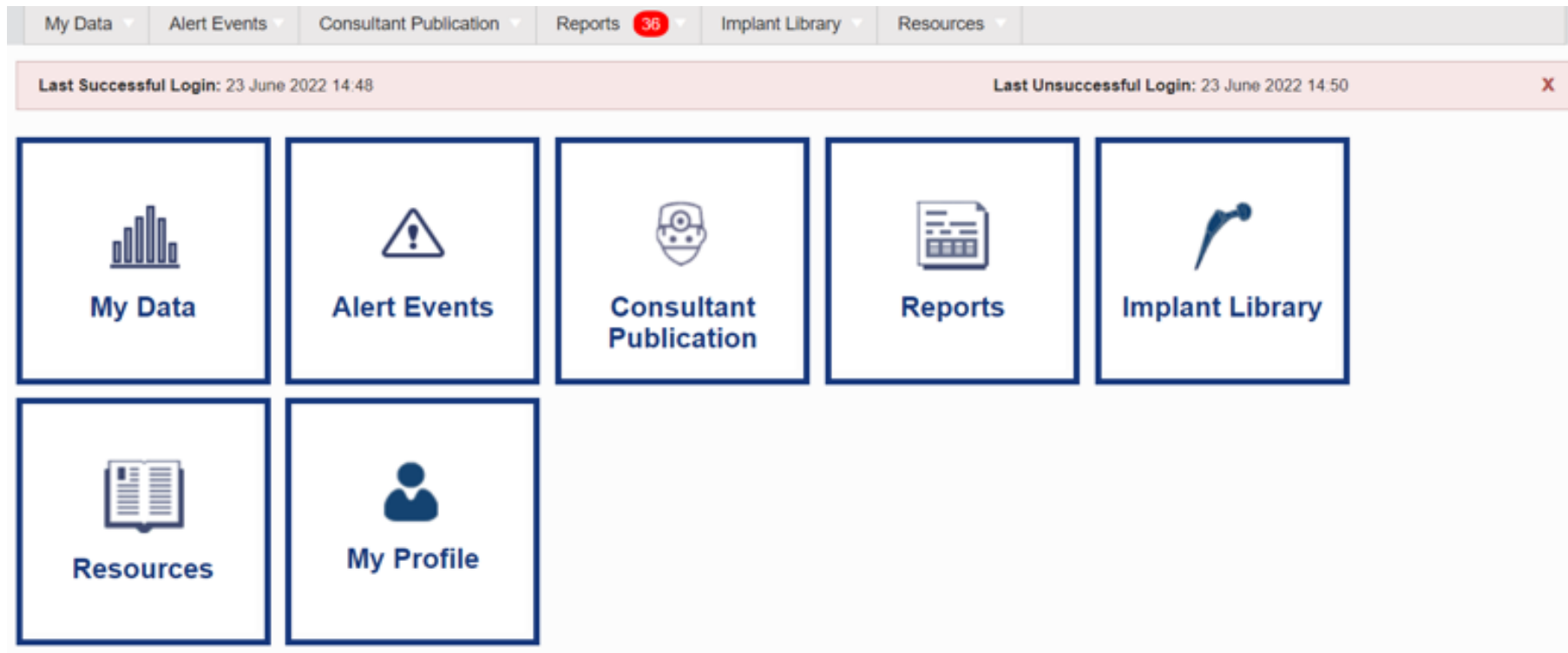
- For example, under the 'Resources' icon, depending on the user's access rights, there are currently two areas of functionality:
 - Contacts Database (default option).
 - Resources.
- If the user wants to access the 'Resources' page rather than the 'Contacts Database' then that option would need to be selected from the menu:



The screenshot shows the top navigation bar of the NJR dashboard. The 'Resources' menu is open, showing two options: 'Contacts Database' and 'Resources'. The 'Resources' option is highlighted in blue. Below the navigation bar, there are five main dashboard tiles: 'My Data', 'Alert Events', 'Consultant Publication', 'Reports', and 'Implant Library'. The 'Reports' tile has a red badge with the number '36'. There are also two green status bars: 'Last Successful Login: 23 June 2022 14:32' and 'Last Successful Login: 22 June 2022 14:53'.

The Clinician Feedback dashboards

- Also included on the 'dashboard' is a recent login history information bar which tells the user when they last successfully logged in as well as when the last unsuccessful login attempt was made for that username. If the most recent previous attempted login failed, then this information bar has a pink background:



The screenshot shows a dashboard interface. At the top, there is a navigation bar with dropdown menus for 'My Data', 'Alert Events', 'Consultant Publication', 'Reports' (with a red notification badge showing '36'), 'Implant Library', and 'Resources'. Below this is a pink notification bar containing the text 'Last Successful Login: 23 June 2022 14:48' and 'Last Unsuccessful Login: 23 June 2022 14:50' with a close button (X). The main area of the dashboard features seven navigation tiles: 'My Data' (bar chart icon), 'Alert Events' (warning triangle icon), 'Consultant Publication' (stethoscope icon), 'Reports' (document icon), 'Implant Library' (surgical instrument icon), 'Resources' (book icon), and 'My Profile' (person icon).

Reporting

- Three types of reports are available in Clinician Feedback – Dynamic (including the Implant library), Alerts and Static – although not all users will have access to all reports or report types.

The Dynamic report list consists of:

- Outcome summary
- Activity
- Funnel plots
- Patient data and status
- Unadjusted revision rate
- Shoulder metrics
- ODEP implant usage

The Alert report list consists of:

- 90-day mortality events
- Attributable revisions

The Static report list consists of:

- All Reports
- Annual Clinical reports
- Consultant Level Implant reports
- Consultant Level reports
- Consultant PROMs reports
- Surgeon Level reports
- Trust Level Implant reports

The Implant library report list consists of:

- Implant summary
- Implant and construct outliers
- Generate KM Chart

- Training videos with information on report functionality can be found on the ‘Resources’ page of NJR Connect.



Dynamic reports

- Dynamic/interactive reports in Clinician Feedback can be accessed by clicking on the 'My Data' icon which selects the 'Outcome Summary' report by default, or by selecting a report type from the 'My Data' sub-menu.

The screenshot displays the top navigation bar of the National Joint Registry Clinician Feedback interface. The navigation menu includes: My Data (selected), Alert Events, Consultant Publication, Reports (with a red notification badge showing '11'), Implant Library, and Resources. The 'My Data' dropdown menu is open, listing: Outcome summary, Activity, Funnel plots, Patient data and status, and Unadjusted revision rate. Below the navigation bar is a grid of report tiles: My Data, Alert Events, Consultant Publication, Reports, Implant Library, Resources, and My Profile.

Dynamic reports

- The 'Outcome summary' report will display a combination of measures in summary form:

Filters applied: Consultant in Charge, Hip

Your activity data up to 08/10/2024

Total primaries 1,514	Total revisions 85	Attributable revisions * 14	Latest procedure 11/09/2024	CLR download DOWNLOADED
---------------------------------	------------------------------	---------------------------------------	---------------------------------------	-----------------------------------

* Attributable revisions since 19/01/2019

Your outcomes data up to 25/05/2023

Indicator set	Procedure type	Linkable primaries	Expected	Observed
Mortality	Primary Hip 90-Day Mortality – Last Five Years	215	0.53	0
Revision	Hip All - Last Ten Years	614	9.55	7
Revision	Hip All - Last Five Years	239	2.33	2
Revision	Cemented Hip Procedures - Last Ten Years	612	8.81	5
Revision	Cementless Hip Procedures - Last Ten Years	2	0.00	2
Revision	Hybrid Hip Procedures - Last Ten Years	0	0.00	0

▲ This surgeon

Inside 99.8% control limits ■ Outside 99.8% control limits

0 1 2 3 4 5



No data

- By default, this will show details relating to Hip procedures unless the surgeon does not have Hip procedures, in which case it will default to the next joint in the order Knee, Shoulder, Ankle, Elbow. The table in the bottom half will only be populated for Hip and Knee procedures.

Dynamic reports

- The 'Activity report' displays as a graph with options to filter the data by a number of measures using the filter boxes. By right clicking on a bar in the graph, the user is able to 'drill down' into the data to see more detailed information. Using the equivalent 'drill up' option will return the graph to the higher-level summary data.



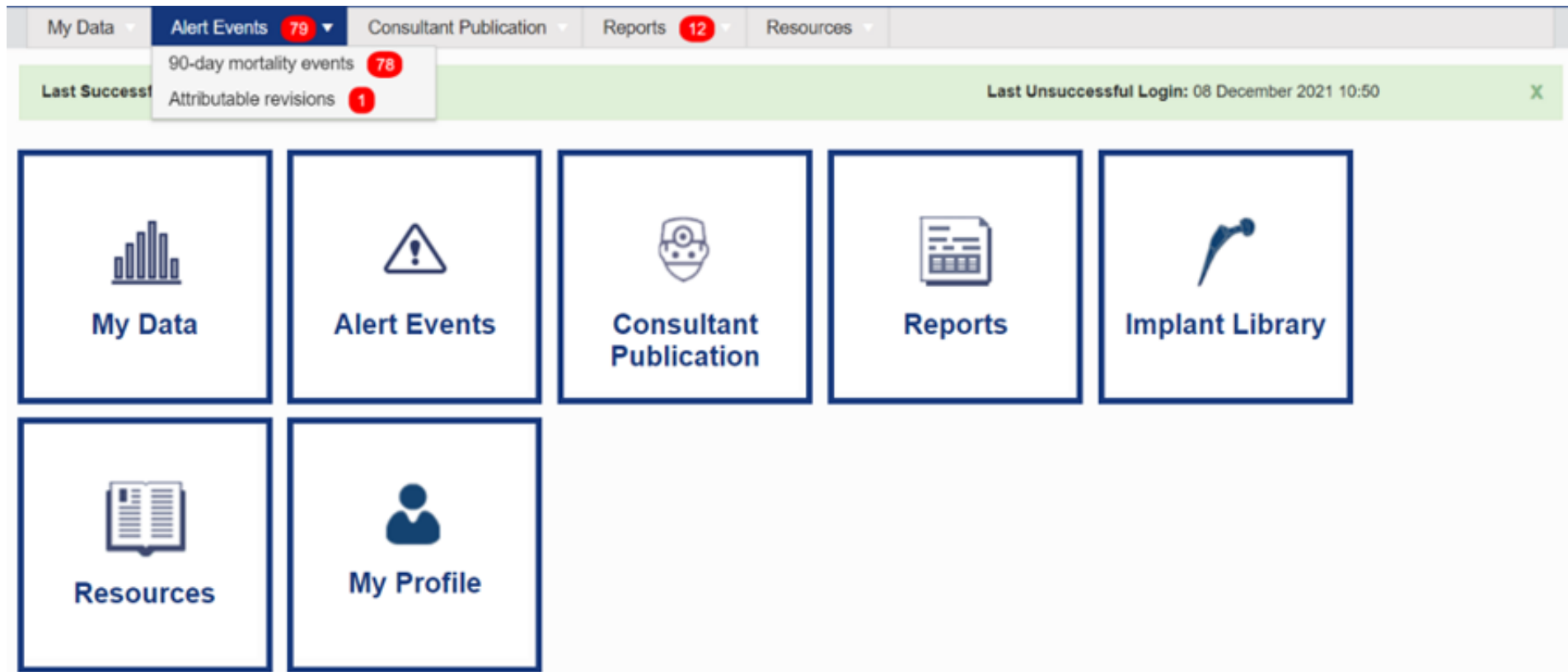
- The data can also be viewed as a table by clicking on the 'View as table' icon and the filtered data printed or exported to a pdf document by clicking on the 'Print' option.

Dynamic reports

- Other interactive reports that are available include:
 - Patient data and status report – displays a list of all procedures carried out by the surgeon with their first endpoint (death, revision, viable). The downloadable version of this report contains additional procedure data (e.g. implant information) not shown on the screen.
 - Funnel plots - displays a funnel plot with options to filter the data by a number of measures using the filter boxes. By default, data are displayed for hip latest five years revision ratio along with all other surgeons in the registry for whom data are recorded.
 - Data for all other surgeons submitting to the registry can be hidden by clicking the ‘Hide other surgeons’ icon. The data can also be viewed as a table by clicking on the ‘View as table’ icon and the filtered data printed or exported to a pdf document by clicking on the ‘Print’ option. Click on a year colour icon to hide that year’s data from the funnel plot; click it again to re-instate it.
 - Unadjusted revision rate - displays the surgeon’s revision rate of primary procedures as a graph and compares this against the national rate with options to filter the data by a number of measures using the filter boxes. The data can also be viewed as a table by clicking on the ‘View as table’ icon and the filtered data printed or exported to a pdf document by clicking on the ‘Print’ option.
 - Shoulder Metrics - displays all shoulder procedures performed by the surgeon at the hospital versus nationally.
 - ODEP Implant Usage – displays the percentages of usage rated prostheses and type used at the hospital versus nationally.

Alert Events

- Users can access 90-day mortality and Attributable revision records by clicking on the 'Alert Events' icon (which defaults to selecting the '90-day mortality events' option) or by selecting a report type from the 'Alert Events' sub-menu. The counts displayed in the menu are for the unread records and decrease every time a record is read:



The screenshot shows the top navigation bar with the following items: My Data, Alert Events (79), Consultant Publication, Reports (12), and Resources. A dropdown menu for 'Alert Events' is open, showing '90-day mortality events' (78) and 'Attributable revisions' (1). A green notification bar at the top right displays 'Last Unsuccessful Login: 08 December 2021 10:50' with a close button (X). Below the navigation bar are seven main menu items: My Data, Alert Events, Consultant Publication, Reports, Implant Library, Resources, and My Profile.

Alert Events

- Clicking on a record in these reports marks it as 'read' and expands it to show additional detail relating to the procedure, e.g. for an Attributable Revision:

Attributable revisions

This table includes revisions of revision procedures. Please note that only the first revision is included in outcomes and outlier analyses: any subsequent re-revisions are excluded. These procedures are included for your information only.

NJR index no	Procedure type	Index procedure unit	Lead Surgeon	Date of revision	Time to latest endpoint (years)	Revising unit	Revision consultant
72453	Knee Revision	Surgical Unit 00066	LastName4302, Firstname4302	24/06/2021	6.10	Surgical Unit 00029	LastName7671, Firstname7671
4674097	Knee Revision	Surgical Unit 00066	LastName4302, Firstname4302	17/05/2021	0.20	Surgical Unit 00066	LastName7275, Firstname7275
4048562	Knee Primary	Surgical Unit 00066	LastName4302, Firstname4302	27/11/2020	1.00	Surgical Unit 00125	LastName5210, Firstname5210

Details

Local patient ID: Unknown Side: Right Gender: Male

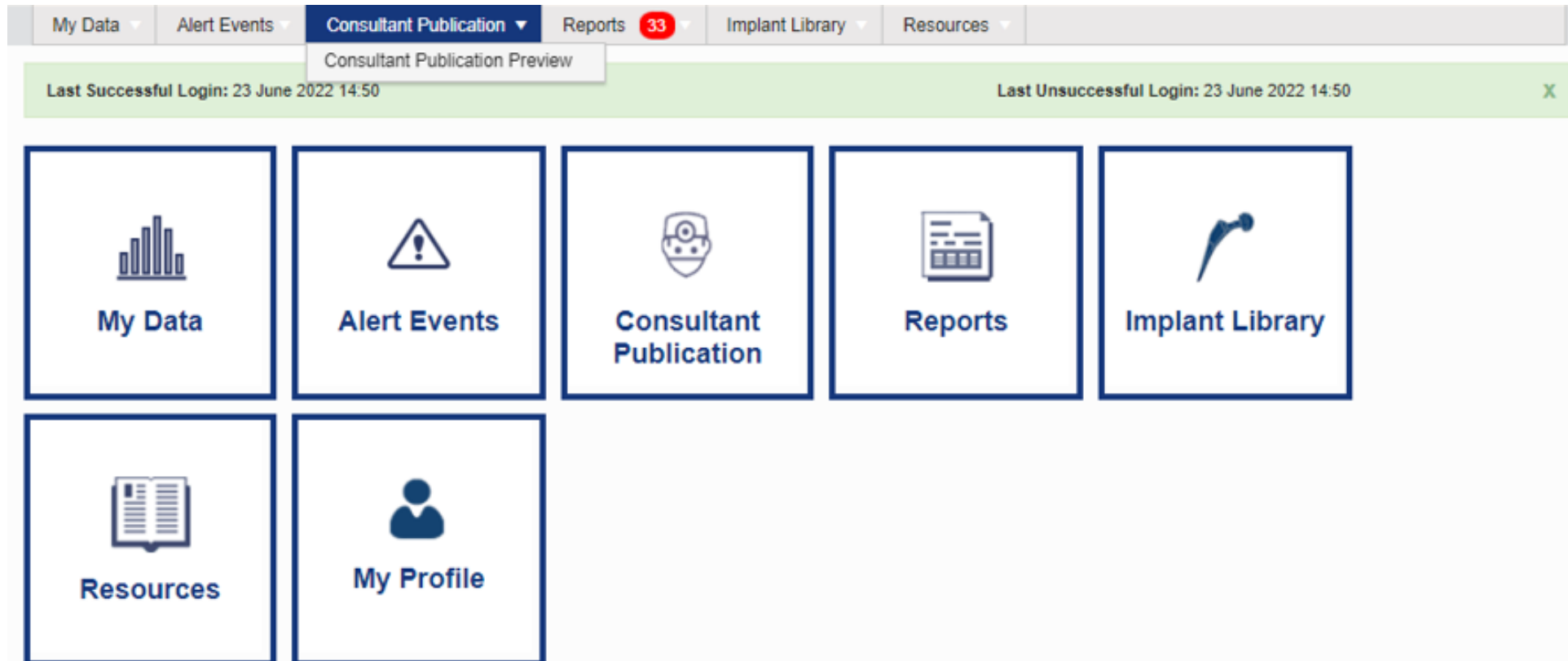
	Index procedure	Revision
NJR index no	4048562	4464323
Procedure ID	4431774	4436082
Lead surgeon	LastName4302, Firstname4302	
Operation date	22/11/2019	27/11/2020
Unit	Surgical Unit 00066	Surgical Unit 00125
Indications	Osteoarthritis	No indications entered

4094132	Knee Revision	Surgical Unit 00066	LastName4302, Firstname4302	22/09/2020	0.20	Surgical Unit 00272	LastName3843, Firstname3843
---------	---------------	---------------------	-----------------------------	------------	------	---------------------	-----------------------------

- Clicking on the 'Mark as unread' button sets it back to being unread.
- By default, the data in these reports is sorted such that any records that are 'unread' appear at the top of the list displayed in bold font, followed by those that have been marked as 'read'. Within these sections, the records are sorted by Revision Procedure Date in descending order.
- The data in these reports can be sorted by clicking on any of the column headers. The first click on a column sorts the records in ascending order and the second click in descending order.
- Data in these reports can be exported by hovering on the hamburger icon on top right of the grid and selecting 'Export All'.

Consultant Outcome Publications

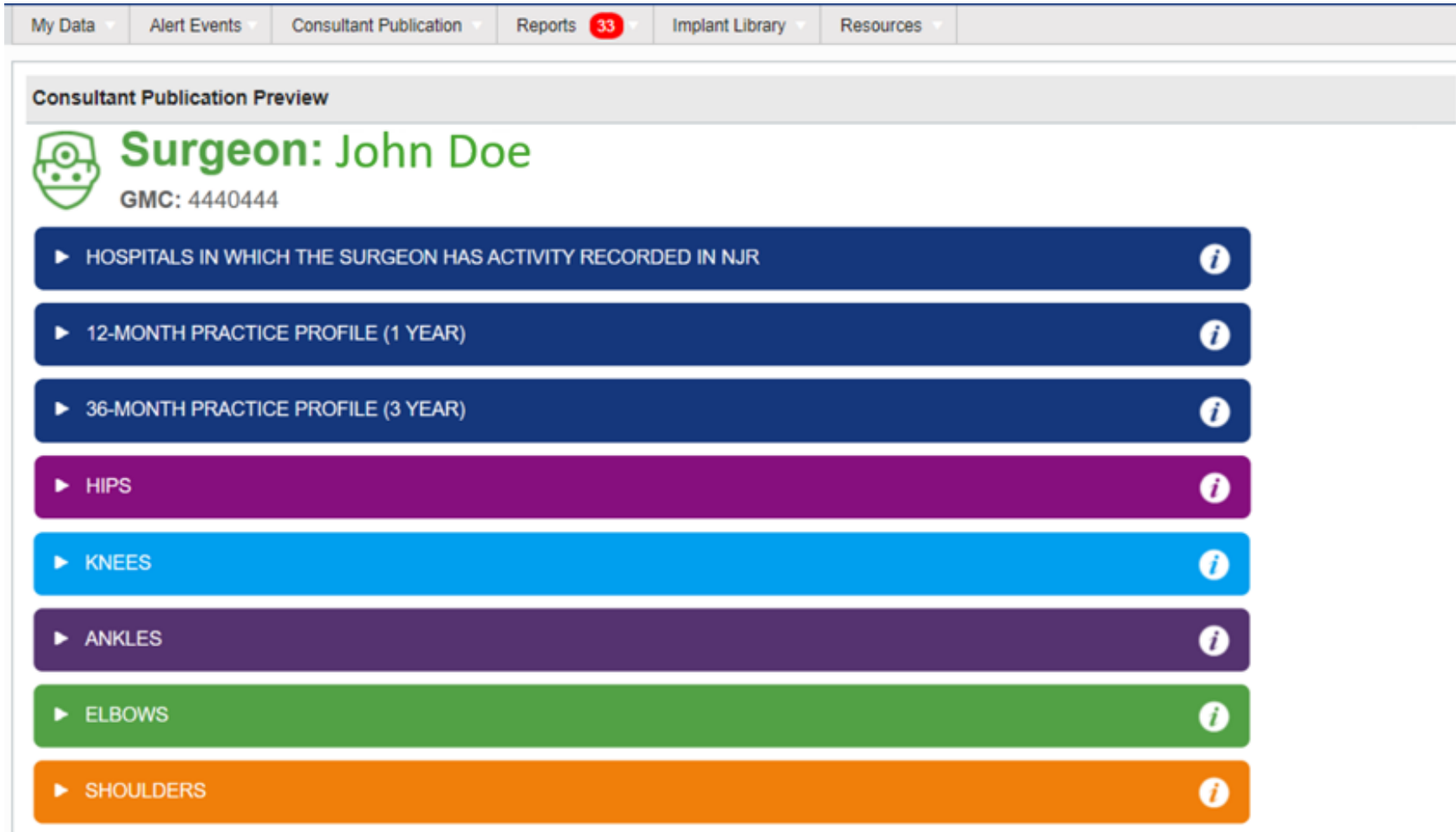
- A 'Consultant in Charge' user will be able to preview their consultant outcomes programme data (published on the NJR Surgeon and Hospital profile website) by clicking on the 'Consultant Publication' icon or selecting the 'Consultant Publication Preview' option from the menu:



The screenshot displays the NJR user interface. At the top, a navigation bar contains several menu items: 'My Data', 'Alert Events', 'Consultant Publication', 'Reports' (with a red badge showing '33'), 'Implant Library', and 'Resources'. The 'Consultant Publication' menu item is currently selected, and a dropdown menu is visible below it, showing the option 'Consultant Publication Preview'. Below the navigation bar, a green status bar displays 'Last Successful Login: 23 June 2022 14:50' and 'Last Unsuccessful Login: 23 June 2022 14:50'. The main content area features a grid of seven icons representing different sections: 'My Data' (bar chart), 'Alert Events' (warning triangle), 'Consultant Publication' (head with gear), 'Reports' (document), 'Implant Library' (limb), 'Resources' (book), and 'My Profile' (person icon).

Consultant Outcome Publications

- This will display the surgeon's data that will be published on the NJR Surgeon and Hospital Profile website.



The screenshot shows a web interface for a surgeon's profile. At the top, there is a navigation bar with tabs: My Data, Alert Events, Consultant Publication, Reports (with a red badge showing 33), Implant Library, and Resources. Below this is a section titled "Consultant Publication Preview" for "Surgeon: John Doe" with GMC number 4440444. A list of publication categories is displayed, each with a right-pointing arrow and an information icon (i):

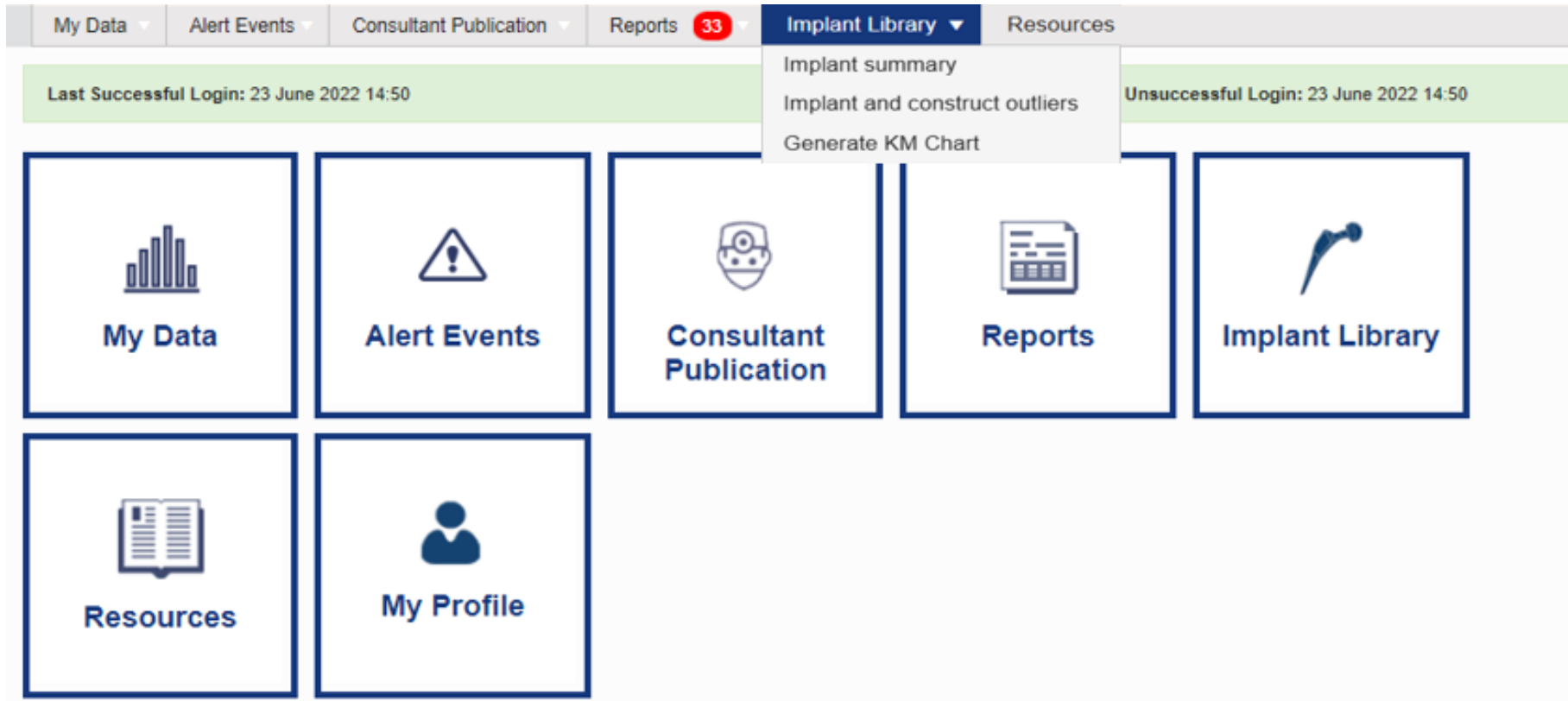
- HOSPITALS IN WHICH THE SURGEON HAS ACTIVITY RECORDED IN NJR
- 12-MONTH PRACTICE PROFILE (1 YEAR)
- 36-MONTH PRACTICE PROFILE (3 YEAR)
- HIPS
- KNEES
- ANKLES
- ELBOWS
- SHOULDERS

Implant Library

- The Implant Library consists of three dynamic reports in table format relating to implant performance.
- The reports contained in the Implant Library are:
 - The **Implant summary** report contains data relating to implants used in primary procedures. Kaplan Meier (KM) estimates of the cumulative probability of revision at 1, 3, 5, 10, 13 and 15-year intervals to enable the assessment of implant performance over time. The Kaplan-Meier survivorship analysis for cement brands used in primary procedures is now included in the report.
 - The **Implant and construct outliers report** lists implants and implant combinations that have been reported to the MHRA as Level 1 outliers. An implant, or implant combination, is considered to be a Level 1 outlier when the performance exceeds the acceptable control limits compared to the implant group.
 - The **Generate KM Chart** option allows you to generate and view Kaplan-Meier graphs for implants.

Implant Library

- The reports can be accessed by clicking on the report name in the 'Implant Library' drop-down menu.



Implant Library

- Alternatively, the Implant summary report can be accessed by clicking on the 'Implant Library' dashboard tile. Due to the data in this report only the field headings are shown in the example below.



The screenshot shows a dashboard interface for a 'KM survivorship analysis for Implant Brands used in primary procedures'. It includes a 'Filters' button, an information icon (i), and a table with the following column headers: Joint type, Manufacturer, Implant type, Brand, No of procedures, First implantation, Last implantation, 1 year, 3 year, 5 year, and 10 year. A 'No filters applied' message is visible above the table. A refresh and print icon are located in the top right corner of the dashboard area.

- Contextual information pertaining to the data in the Implant summary report is contained within a pop-up window, which can be viewed by clicking on the green information (i) icon.
- The horizontal and vertical scroll bars can be used to explore the data in the report table.

Implant Library

- Once the selected report is open, the displayed data can be filtered by clicking on the 'Filters' button and selecting or de-selecting the available options:

My Data ▾ Alert Events ▾ Consultant Publication ▾ Reports **32** ▾ Implant Library ▾ Resources ▾

Filters

View ac filters Close

Implant type

Select All

Combination

Cup name

Stem name

Notified as outlier

Select All

2009

2010

2011

2012

2013

2014

Last implanted

Select All

2006

2008

2009

2010

2011

2013

	Total procedures	Latest PTIR	Notified as outlier	Last implantation
surfacing Cup*	957	1.59	2009	2008
	105	2.19	2009	2008
	3256	0.87	2010	2006
	3098	1.67	2010	2011
	282	2.56	2010	2010
	3322	1.17	2011	2010
	3423	1.24	2011	2010
	3067	1.4	2011	2009
surfacing Cup*	207	2.01	2011	2011
	528	2.71	2011	2011
	2977	1.32	2012	2011
surfacing Cup*	2919	2.58	2012	2009
	3492	1.21	2013	Still in use
	134	1.4	2013	2010
ng Cup*	191	2.22	2014	2013
surfacing Cup*	225	2.54	2014	2011
	123	2.87	2014	2011
	1342	1.7	2015	Still in use
surfacing Cup*	134	2.04	2015	2009
	3355	1.11	2016	2013



* Inclusion here is mainly due to metal-on-metal combinations.
 ** Metal-on-metal.

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Implant Library

- Further report functionality is described below:

My Data ▾ Alert Events ▾ Consultant Publication ▾ Reports **32** ▾ Implant Library ▾ Resources ▾

Click here to reset filters to the default setting   Click here to print the report or save it as a PDF file

Filters Click here to filter the data

Filters applied: Joint Applied filters will be listed here for reference

Implant and construct outliers

Joint	Implant 1 / Implant 2	Total procedures	Latest PTIR	Notified as outlier	Last implantation
Hip	Brand01037 Cementless Stem / Brand00996 Resurfacing Cup*	957	1.59	2009	2009
Hip	Brand00804 / Brand00075 Resurfacing Cup*	105	2.19	2009	2008
Hip	Brand00410	3256	0.87	2010	2006
Hip	Brand01327	3098	1.67	2010	2011
Hip	Brand00274 / Brand00775 TRH Cup*	282	2.56	2010	2010
Hip	Brand01723	3322	1.17	2011	2010
Hip	Brand01969	3423	1.24	2011	2010
Hip	Brand00851	3067	1.4	2011	2009
Hip	Brand00864 Cementless Stem / Brand00221 Resurfacing Cup*	207	2.01	2011	2011
Hip	Brand00565 / Brand01438 Resurfacing Cup*	528	2.71	2011	2011
Hip	Brand00030	2977	1.32	2012	2011
Hip	Brand00024 Resurfacing Head / Brand00126 Resurfacing Cup*	2919	2.58	2012	2009
Hip	Brand01532	3492	1.21	2013	Still in use
Hip	Brand01357 HAC Stem / Brand01879 Cup	134	1.4	2013	2010
Hip	Brand00338 CoCr Stem / Brand01136 Resurfacing Cup*	191	2.22	2014	2013
Hip	Brand00912 Cementless Stem / Brand00237 Resurfacing Cup*	225	2.54	2014	2011
Hip	Brand01190 Cementless Stem / Brand01804	123	2.87	2014	2011
Hip	Brand00708 Cementless Stem / Brand00015	1342	1.7	2015	Still in use
Hip	Brand01028 Cementless Stem / Brand00976 Resurfacing Cup*	134	2.04	2015	2009
Hip	Brand01474	3355	1.11	2016	2013

* inclusion here is mainly due to metal-on-metal combinations.
** Metal-on-metal.

Data as at 24/06/2022 © National Joint Registry 2022

Click on the column header once to sort by ascending order or twice to sort by descending order

Implant Library

- A new option for KM charts is available to Clinician Feedback Consultant-in-Charge and Lead Surgeon users.
- This option allows you to generate and view Kaplan-Meier graphs for implants based on the following criteria:

Select joint type * ▼

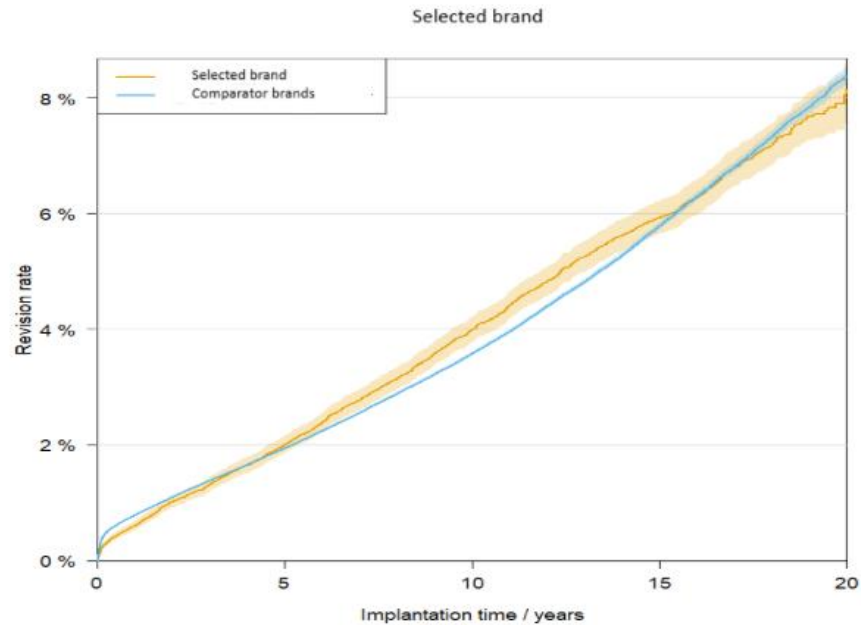
Select procedure type * Primary Revision

Select manufacturer * ▼

Select implant type * ▼

Select brand(s) *
(Select all that apply)

- You may also download your results as a pdf.



Management Feedback user guide









- [Introduction](#) – Purpose of the guide
- [Icons used in the Connect application](#) - An explanation of the icons used in the application
- [The Management Feedback dashboards](#) - A guide to the dashboard tiles
- [Reporting](#) - An overview of report types used in Management Feedback
- [Dynamic reports](#) - The layout and features explained
- [Alert Events](#) - How to review and manage the alerts
- [Static reports](#) - Explanation of the static reports

Introduction







This document presents a guide to the NJR Connect - Data Services application and describes what is available in Management Feedback.

Icons used in the Connect application





General Icons

	Indicates that the associated text is for information only
	Navigates back to the application landing page
	On a menu option this indicates that there are further options that can be selected
	Refreshes a list of items
	Indicates that a table of data is sorted in descending order by this column
	Indicates that a table of data is sorted in ascending order by this column
	Indicates that there are additional options when this icon is clicked
	Indicates that there is an issue with the data in the related field





Report Icons

	Indicates the ability to reset any applied filters to the default setting
	Indicates the ability to print the current page
	Within a report table, indicates that additional options are available <u>e.g.</u> exporting the data to a Spreadsheet
	Within a report, indicates the ability to close an expanded page <u>e.g.</u> apply filters
	Where a report is displayed as a chart, this converts the data into tabular format
	Where a report is displayed in tabular format, this converts the data into a chart

Funnel Plot Icons

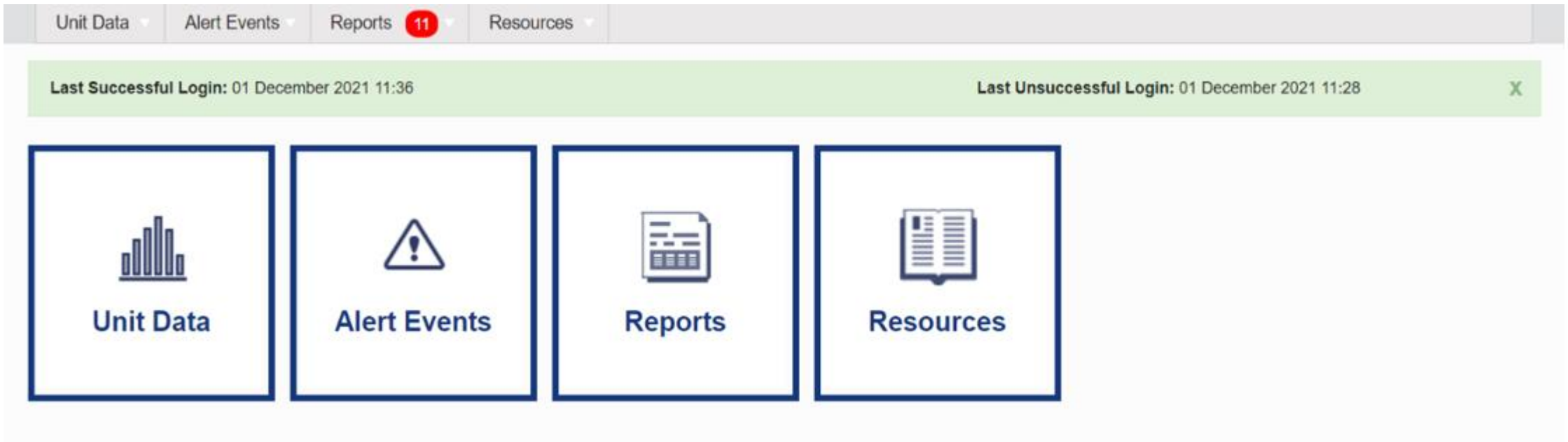
	Clicking this icon will hide all other surgeon plots
	Clicking this icon will display plots for all surgeons
	Clicking this icon will hide all other hospital plots
	Clicking this icon will display plots for all hospitals

Static Report Icons

	Indicates that this report has not yet been downloaded
	Indicates that the selected report is an Excel spreadsheet that has been downloaded
	Indicates that the selected report is a pdf file that has been downloaded
	Indicates that the displayed reports can be filtered by the content of this column

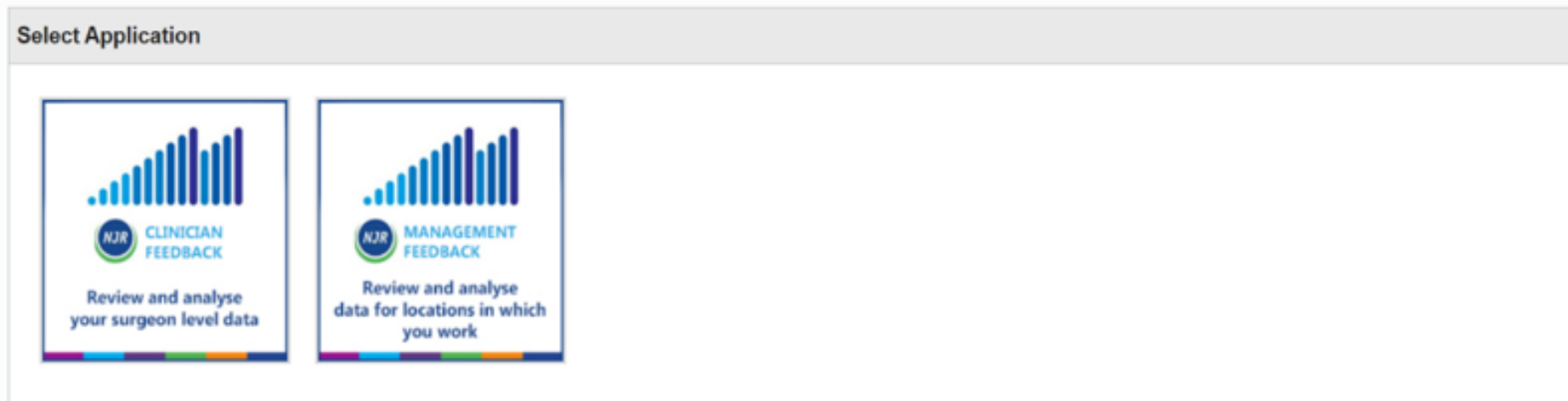
The Management Feedback dashboards

- If the user has been set up as a hospital management user at a location, on logging into the Management Feedback application they will be automatically taken to the dashboard screen of Management Feedback:



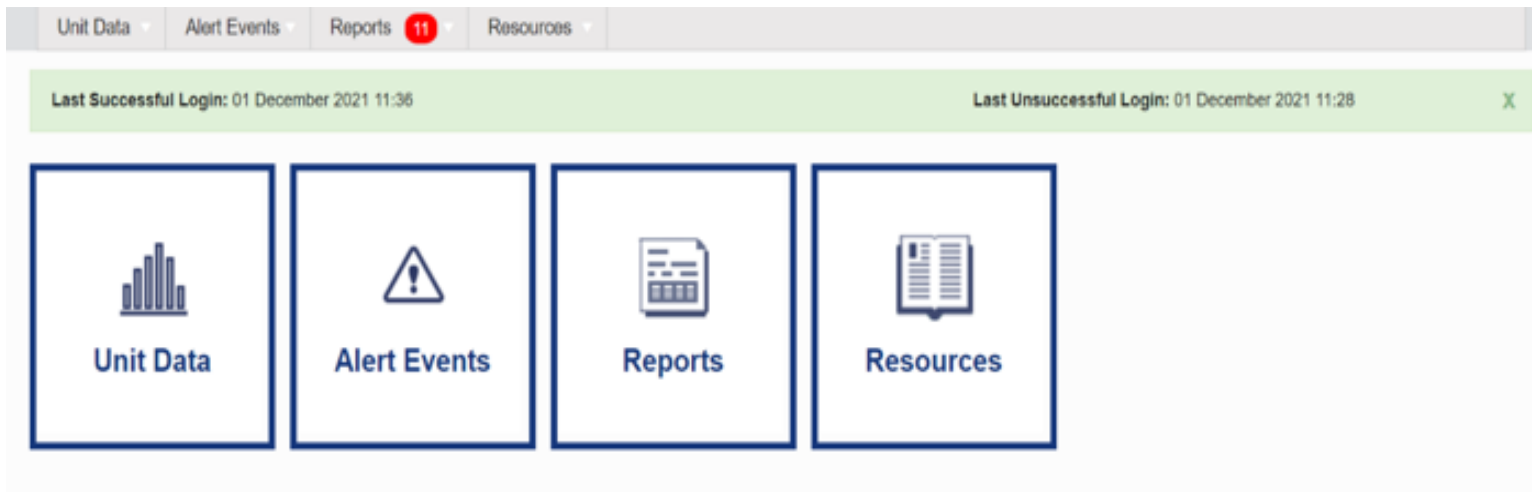
The Management Feedback dashboards


- All users can see aggregated data within Management Feedback but some users based on their role, may have visibility of additional reports. If the user has dual roles e.g. they have been set up as a Hospital Management user at a location AND as a Consultant in Charge or Lead Surgeon and in the Management Feedback and Clinician Feedback applications respectively, on logging in, they will see the 'Select Application' screen. If they select Management Feedback, they will be able to view data related to their management role. If they select Clinician Feedback, they will be able to view data related to their assigned surgeon role:



The Management Feedback dashboards

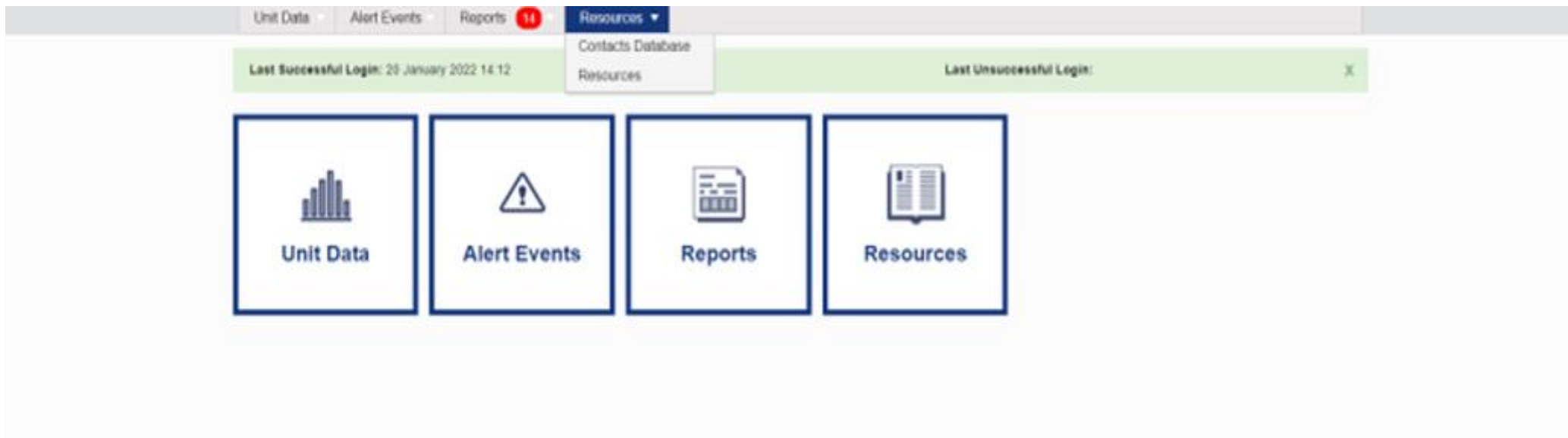
- Once a user has accessed their 'dashboard' in Management Feedback various icons will be displayed depending on the user's level of access:



- Clicking on these icons will take the user to the relevant functionality. Some icons provide access to more than one function and where this is the case, clicking on the icon will take the user to the first item listed in the menu. To access a different area of functionality, the menu options can be used. Throughout the application, whenever there is a downward white triangle (), then the drop-down menu options are available. If the user knows they do not want to access the default functions the icons offer, then the menu options can also be used throughout the application.

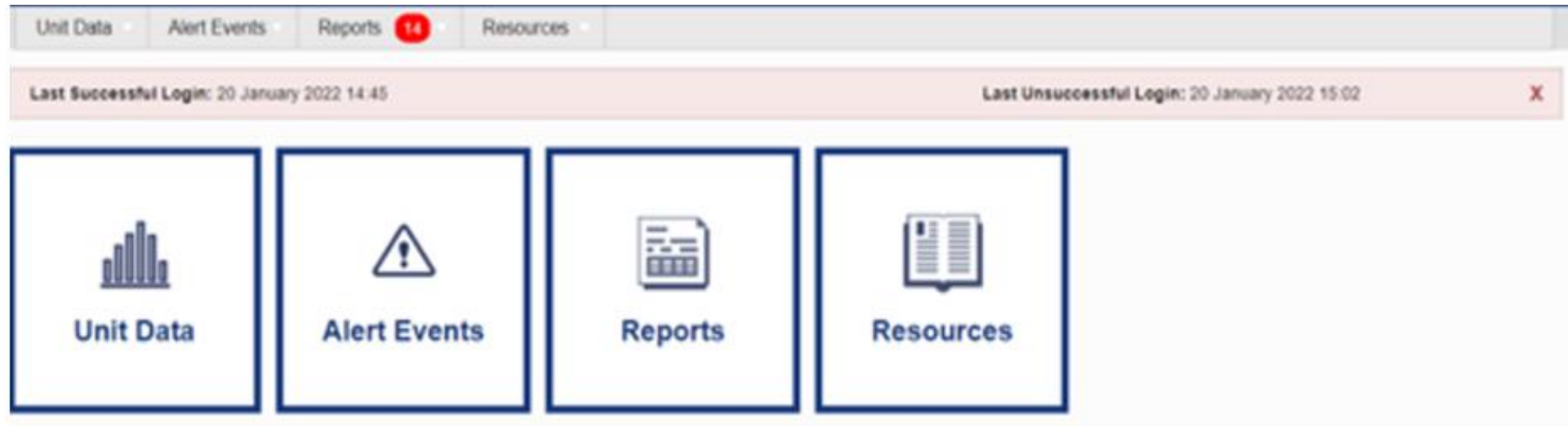
The Management Feedback dashboards

- For example, under the 'Resources' icon, depending on the user's access rights, there are currently two areas of functionality:
 - Contacts Database (default option).
 - Resources.
- If the user wants to access the 'Resources' page rather than the 'Contacts Database' then that option would need to be selected from the menu:



The Management Feedback dashboards

- Also included on the 'dashboard' is a recent login history information bar which tells the user when they last successfully logged in as well as when the last unsuccessful login attempt was made for that username. If the most recent previous attempted login failed then this information bar has a pink background:



Reporting

- Three types of reports are available in Management Feedback – Dynamic, Alerts and Static – although not all users will have access to all reports or report types.

The Dynamic report list consists of:

- Hospital summary
- Data Submissions
- Activity
- Unit level funnel plots
- Surgeon level funnel plots
- Reasons for revision
- Patient data and status
- Unadjusted revision rate
- CLR download status
- Shoulder metrics
- Procedure data extract
- ODEP implant usage

The Static report list consists of:

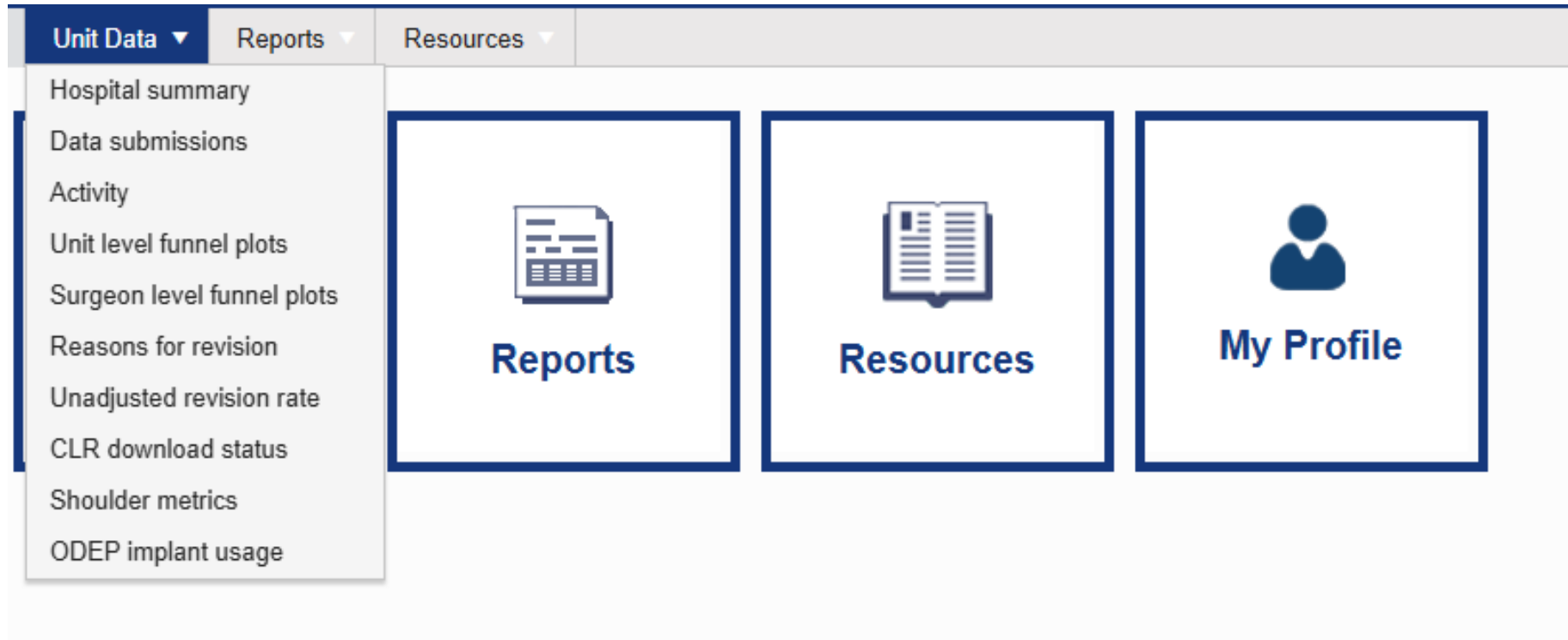
- All Reports
- Annual Clinical reports
- Trust Level Implant reports
- NJR Price Benchmarking reports

The Alert report list consists of:

- 90-day mortality events
- Attributable revisions

Dynamic reports

- Dynamic/interactive reports in Management Feedback can be accessed by clicking on the 'Unit Data' icon which selects the 'Outcome Summary' report by default, or by selecting a report type from the Unit Data sub-menu.



Dynamic reports

- The 'Outcome summary' report will display a combination of measures in summary form:



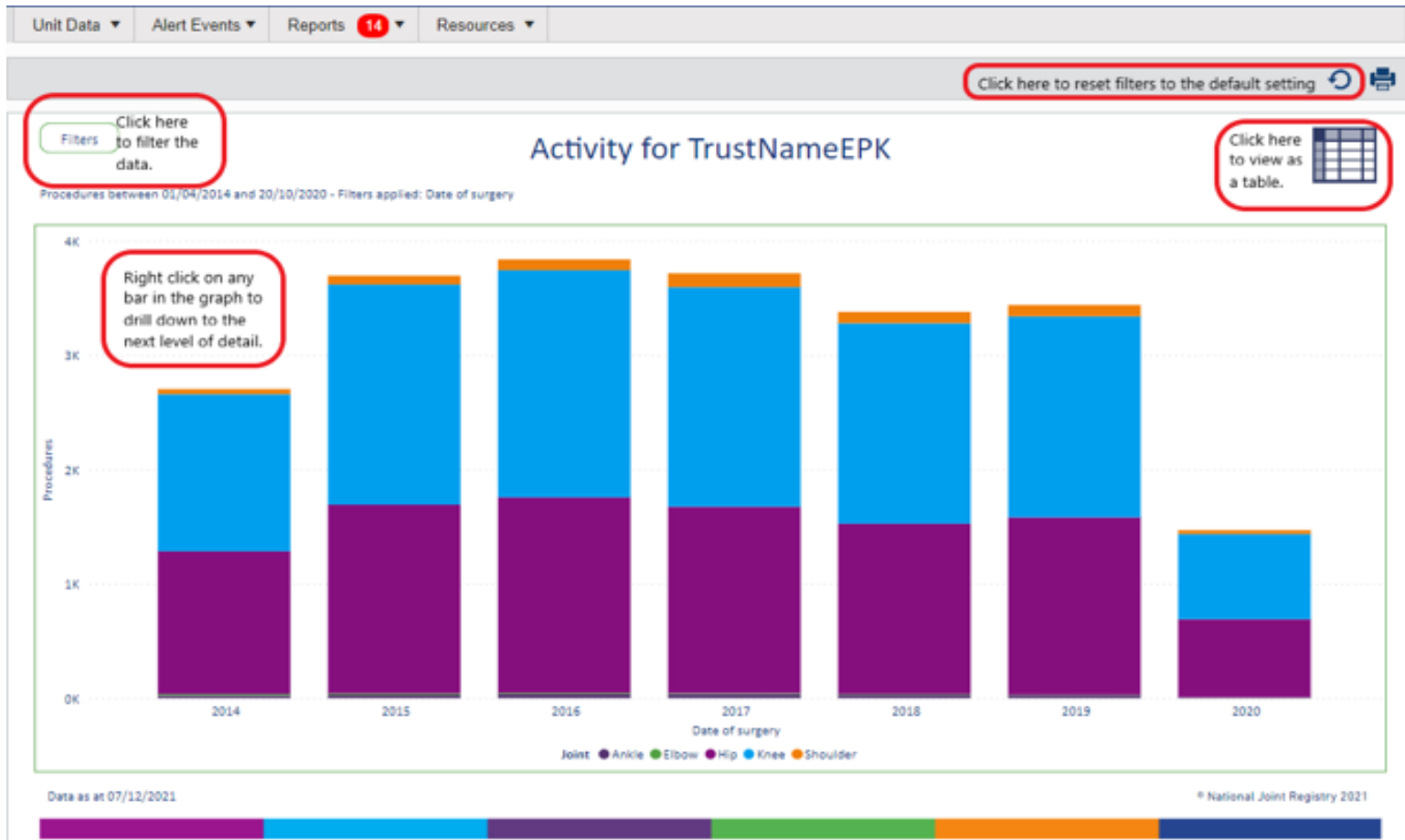
- By default, this will show details relating to Hip procedures unless the hospital/trust/independent group does not have Hip procedures, in which case it will default to the next joint in the order Knee, Shoulder, Ankle, Elbow. The table in the bottom half will only be populated for Hip and Knee procedures

Dynamic reports

- The 'Data submission' report shows whether the hospital is submitting all of the data they should to the NJR (compliance), whether those records have corresponding patient details (patient consent) and whether the records have a valid NHS or national patient number.
- The 'Activity report' displays as a graph with options to filter the data by a number of measures using the filter boxes. By right clicking on a bar in the graph, the user is able to 'drill down' into the data to see more detailed information. Using the equivalent 'drill up' option will return the graph to the higher-level summary data.

Dynamic reports

- The data can also be viewed as a table by clicking on the 'View as table' icon and the filtered data printed or exported to a pdf document by clicking on the 'Print' option:



Dynamic reports

- Other interactive reports that are available include:
 - Procedure data extract - details for operations at this Hospital/Trust/Organisation with more detailed indication and implant information.
 - Patient data and status report – displays a list of all procedures carried out at the user’s hospital(s) with their first endpoint (death, revision, viable). The downloadable version of this report contains additional procedure data (e.g. implant information) not shown on the screen.
 - Funnel plots – there are 2 funnel plots available, Unit level and Surgeon level. These display as a funnel plot with options to filter the data by a number of measures using the filter boxes. By default, data are displayed for hip latest five years revision ratio along with all other hospitals in the registry for whom data are recorded. Data for all other hospitals/surgeons submitting to the registry can be hidden by clicking the ‘Hide other hospitals’ icon. The data can also be viewed as a table by clicking on the ‘View as table’ icon and the filtered data printed or exported to a pdf document by clicking on the ‘Print’ option. Click on a year colour icon to hide that year’s data from the funnel plot; click it again to re-instate it.

Dynamic reports

- Reasons for revision report - displays an analysis of revision of primary hip and knee procedures.
- Unadjusted revision rate - displays the hospital's revision rate of primary procedures as a graph and compares this against the trust/group rate and the national rate with options to filter the data by a number of measures using the filter boxes. The data can also be viewed as a table by clicking on the 'View as table' icon and the filtered data printed or exported to a pdf document by clicking on the 'Print' option.
- CLR download report - shows which surgeons received a Consultant Level Report for each financial year and whether they have downloaded the report and confirmed this by accepting the declaration.
- Shoulder metrics - displays all shoulder procedures performed by the surgeon at the hospital versus nationally.
- ODEP implant usage - a new report showing the usage of ODEP-rated hip and knee implants in a rolling 12-month period up to the end of the previous complete month. This report is refreshed monthly.

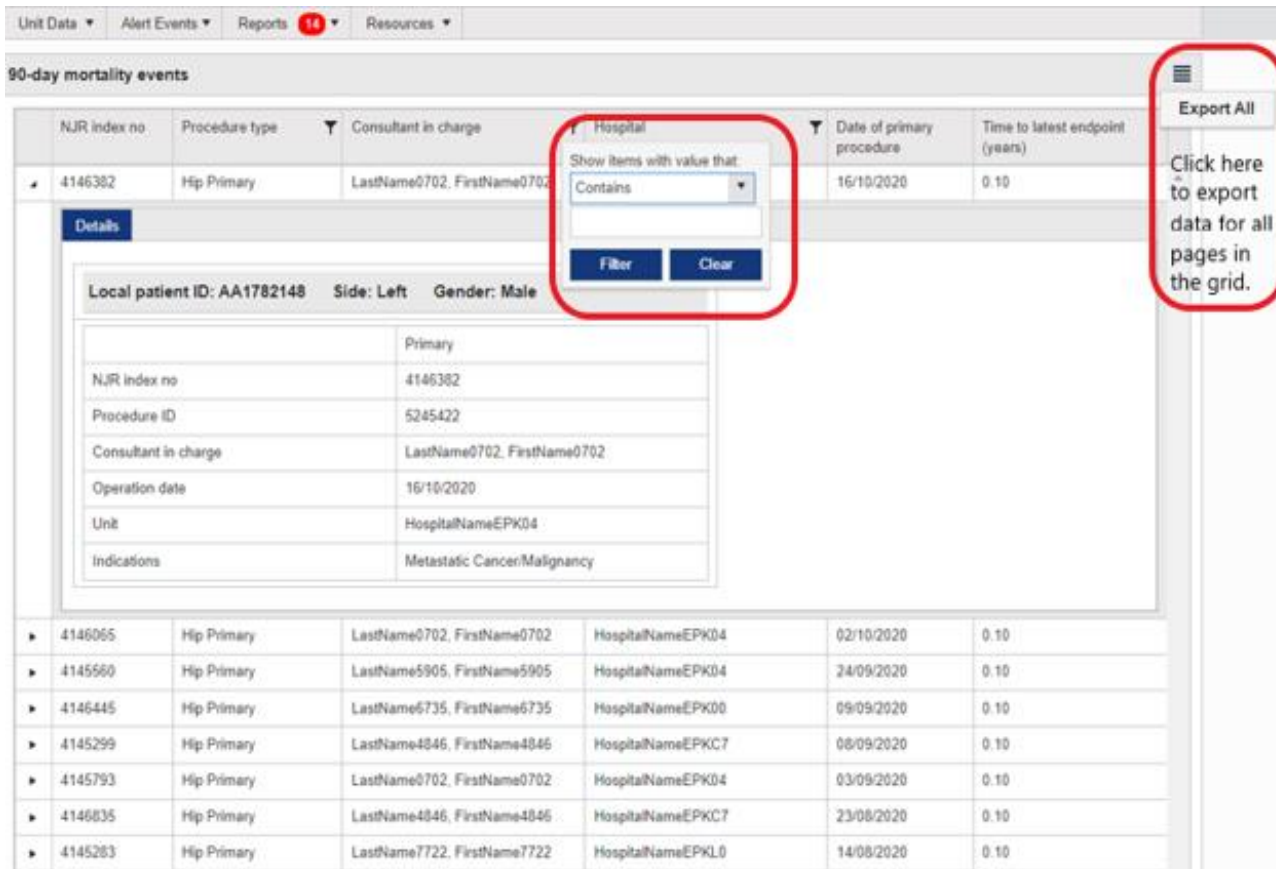
Alert Events

- Users can access 90-day mortality and Attributable revision records by clicking on the 'Alert Events' icon (which defaults to selecting the '90-day mortality events' option) or by selecting a report type from the 'Alert Events' sub-menu.

The screenshot displays the top navigation bar of the National Joint Registry dashboard. The 'Alert Events' menu is expanded, showing two options: '90-day mortality events' and 'Attributable revisions'. The 'Reports' menu item has a red notification badge with the number '12'. Below the navigation bar, a green notification banner reads 'Last Successful Login: 10' and 'Last Unsuccessful Login: 19 November 2021 06:28'. The main content area features four large navigation tiles: 'Unit Data' (with a bar chart icon), 'Alert Events' (with a warning triangle icon), 'Reports' (with a document icon), and 'Resources' (with a book icon).

Alert Events

- Clicking on a record in these reports expands it to show additional detail relating to the procedure, e.g. for 90-day mortality:



Unit Data ▾ Alert Events ▾ Reports **14** ▾ Resources ▾

90-day mortality events

NJR index no	Procedure type	Consultant in charge	Hospital	Date of primary procedure	Time to latest endpoint (years)
4146382	Hip Primary	LastName0702, FirstName0702	HospitalNameEPK04	16/10/2020	0.10

Details


Local patient ID: AA1782148 Side: Left Gender: Male

Primary	
NJR index no	4146382
Procedure ID	5245422
Consultant in charge	LastName0702, FirstName0702
Operation date	16/10/2020
Unit	HospitalNameEPK04
Indications	Metastatic Cancer/Malignancy

Filter Clear

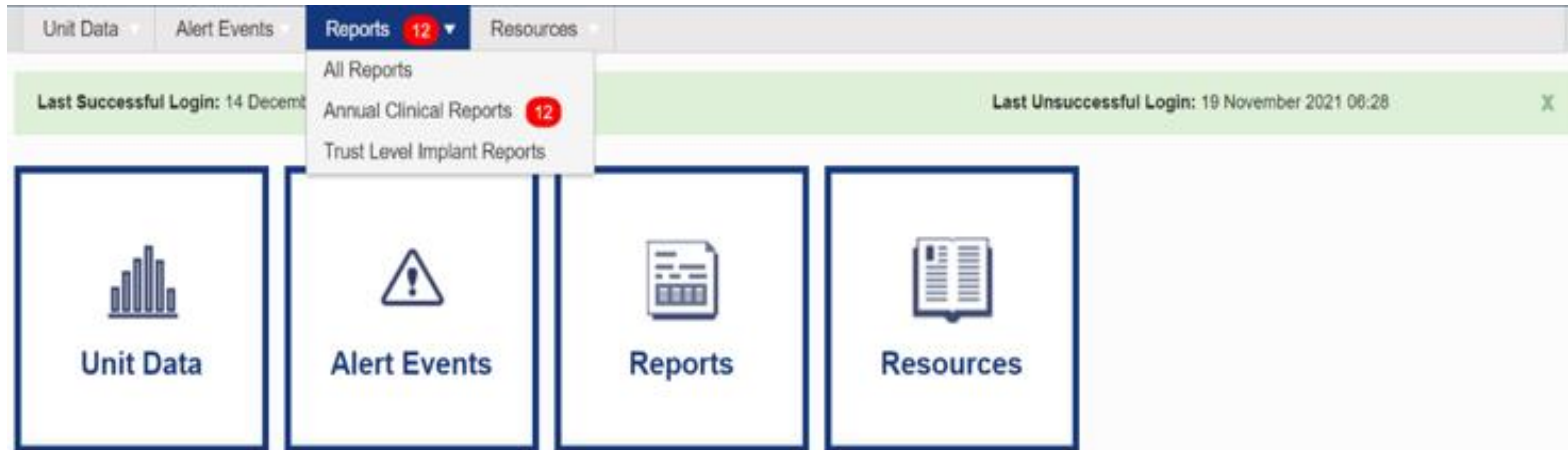
Export All
Click here to export data for all pages in the grid.

▶ 4146065	Hip Primary	LastName0702, FirstName0702	HospitalNameEPK04	02/10/2020	0.10
▶ 4145560	Hip Primary	LastName5905, FirstName5905	HospitalNameEPK04	24/09/2020	0.10
▶ 4146445	Hip Primary	LastName6735, FirstName6735	HospitalNameEPK00	09/09/2020	0.10
▶ 4145299	Hip Primary	LastName4846, FirstName4846	HospitalNameEPKC7	08/09/2020	0.10
▶ 4145793	Hip Primary	LastName0702, FirstName0702	HospitalNameEPK04	03/09/2020	0.10
▶ 4146835	Hip Primary	LastName4846, FirstName4846	HospitalNameEPKC7	23/08/2020	0.10
▶ 4145263	Hip Primary	LastName7722, FirstName7722	HospitalNameEPKL0	14/08/2020	0.10

- By default, the data in these reports are sorted by primary procedure date for 90-day mortality events in descending order.
- The data in these reports can be sorted by clicking on any of the column headers. The first click on a column sorts the records in ascending order and the second click in descending order. Data can also be filtered by clicking the  icon on the columns which include them and applying text filters for the respective columns.
- Data in these reports can be exported by hovering on the hamburger icon on top-right of the grid and selecting 'Export All'.

Static reports

- Users can access the static reports by clicking on the 'Reports' icon which defaults to selecting the 'All Reports' option or by selecting a report type from the 'Reports' sub-menu:



- The pdf and Excel reports are listed in a paginated grid and can be filtered by any part of the 'Report Name' as well as sorted by clicking on any column header. The default sort order displays report in descending "Last Updated" order.











- Any 'Annual Clinical Reports' that have not been downloaded will be included in the counts displayed within the 'Reports' menu structure. These counts will decrease as the reports are downloaded.

Static reports

- Individual reports can be downloaded by clicking on the 'Download' () or file type icon:

Note: If it appears you are unable to download reports from this page, please refer to the Pop-up Blocker Settings document located on the Resources page.

Reports Show reports of type: All Reports

Icon	Report Type	Report Name	Last Updated
	Annual Clinical Reports	MF_UR8_Hospital0303_FY18-19_Addendum.xlsx	
	Annual Clinical Reports	MF_ORG0386_Hospital0386_Jan 2017.pdf	
	Annual Clinical Reports	MF_ORG0386_Hospital0386_Jan 2018.pdf	
	Annual Clinical Reports	MF_UR8_Hospital0386_FY18-19_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Hospital0386_FY19-20_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_ORG0521_Hospital0521_Jan 2017.pdf	26/03/2022 20:45:10
	Annual Clinical Reports	MF_ORG0521_Hospital0521_Jan 2018.pdf	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Hospital0521_FY18-19_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Hospital0521_FY19-20_Addendum.xlsx	26/03/2022 20:45:10
	Annual Clinical Reports	MF_UR8_Trust0329_Jan 2015.pdf	26/03/2022 19:57:44

1 - 10 of 35 items

To find out more about the NJR:



NJR Website:

www.njrcentre.org.uk

NJR Surgeon and Hospital Profile:

<https://surgeonprofile.njrcentre.org.uk>

NJR Reports:

<https://reports.njrcentre.org.uk>



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