

User Guide

Data Entry User



Protecting Patients, Supporting Innovation

Document control

Version	Description	Release date	Reason for change	Reviewer
1.1	Data Entry User Guide	18/03/2014	Review & Update	Olga Taylor
1.2	Data Entry User Guide	25/04/2014	Review & Update	Olga Taylor
1.3	Data Entry User Guide	19/06/2014	Review & Update	Alan Needham
1.4.1	Data Entry User Guide	15/04/2015	Review, Update & New Functionality (U41 - Linking NJR & BYC Procedures	Alan Needham Olga Taylor
1.4.2	Data Entry User Guide	23/4/2015	Change legal company name	Alan Needham/Olga Taylor
1.5	Data Entry User Guide	25/9/2015	New functionality (U21 Outcomes & U48 Lead Surgeon/Consultant in charge access) + additional guidance	Alan Needham/Olga Taylor
1.6	Data Entry User Guide	20 April 2016	New Features	Alan Needham
1.7	Data Entry User Guide	5 May 2016	Review & Update	Olga Taylor

Beyond Compliance – Data Entry User Guide

Contents

Document control	2
Welcome	3
Getting started	3
Logging In.....	4
Viewing Records	6
Exporting Summary Data.....	10
Recording Patient Consent for Pending Records	12
Pending Linkage	14
My BC Records	15
Adding New Information	18
Questionnaires	21
Editing a Record	21
Deleting a Record.....	21
Messages	22
Further Information	22

Welcome

This User Guide for Data Entry staff is a resource to help you quickly understand the Beyond Compliance system.

This guide will:

- Show how to log on to the system
- Provide a step-by-step guide to inputting, editing and deleting data, if necessary
- Enable you to view relevant data for the surgeons to whom you are linked and authorized for an implant registered with the Beyond Compliance service
- Signpost where to get more help and information

Getting started

Beyond Compliance is only available to authorized surgeons (and their authorized data entry staff) who have been approved and trained by the manufacturer of specific implants. Within the system Lead Surgeons and Consultants-in-Charge can see all procedures in which they have been involved and can edit records, including adding patient consent, in either role.

Each account is set up by the Helpdesk who issue a User Name linked to an initial password that can only be used once. If additional Data Entry accounts are required, please contact the Help Desk. Accounts must not be shared.

At first login, all users are asked to change this temporary password to a new one, which is confidential to them.

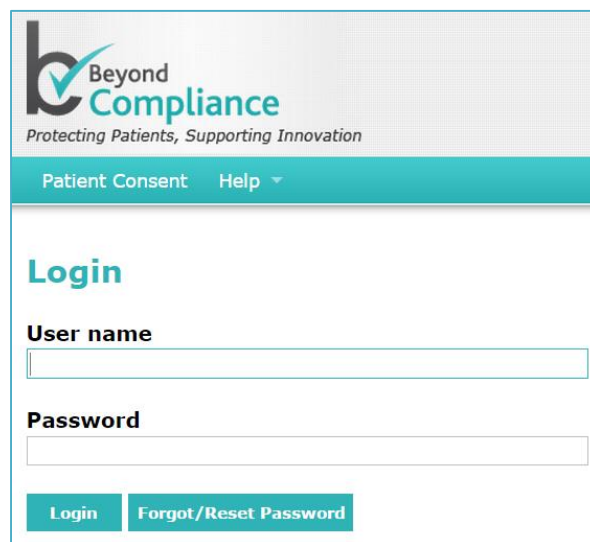
On receipt of your User Name and Temporary Password, go to the Beyond Compliance website
www.beyondcompliance.org.uk.

Logging In


To log on to the Beyond Compliance system, go to www.beyondcompliance.org.uk and click on 'Secure Login' on the top right-hand side of the front page.



A login screen will appear with two tabs: Patient Consent and Help.



The 'Patient Consent' tab links to a one page document that can be downloaded, printed and signed by each patient for storage by the surgeon with the patient's clinical notes.

The Help tab  has four dropdown options to choose the appropriate User Guide. User Guides are available for Surgeons, Data Entry staff, Expert Evaluators (or Rapporteurs) and Manufacturers.

If experiencing any problems with activating an account, Users should contact the Helpdesk using the details in the top-right corner.

Within the secure environment, authorized users should call 0845 263 6376 or email: support@beyondcompliance.org.uk

Authorized users may enter their User Name and click on the [Forgot/Reset Password](#) button (shown above on the Home screen). In this case a new password will be sent to the registered email address of the authorized user.

At first login, and whenever the service desk is required to reset your password, you will be asked to change the temporary password to a new one, which is confidential to you.



The screenshot shows the 'Change Password' form. At the top is the Beyond Compliance logo and tagline 'Protecting Patients, Supporting Innovation'. Below this is a navigation bar with 'Procedures', 'Patient Consent', and 'Help'. The main heading is 'Change Password'. A message states 'Your password needs to be changed.' Below this are three input fields: 'Current password' (with a masked password '*****'), 'New password', and 'Confirm new password'. A 'Change Password' button is at the bottom.

Once within the system, users may change their password at any time by clicking on the User Name in the top right-hand corner.

The password must consist of 8 to 20 characters, including at least one upper case, one lower case and one numeric character. The password expires every 90 days.

Users have 5 attempts to type in the correct User Name and Password combination before your account will be locked out. If this happens, please contact the Helpdesk to reset your account.

After you have changed your password, you will need to re-enter your User Name and your new password to login.

Following a successful login, you will be presented with the Main Screen that now has four tabbed options: -

Procedures, Patient Consent, Messages and Help.



1. Procedures: provides access to information about the procedures that have used components registered with the Beyond Compliance service.
2. Patient Consent: provides a link to download the Patient Consent form.
3. Messages: provides access to messages that have been broadcast to individual users or groups of users within Beyond Compliance. Messages may be personalized to individual users and include specific information.
4. Help: provides a link to the User Guides.

Viewing Records

There are four types of records:

1. Pending Consent
2. Pending Linkage
3. My BC Records
4. All BC Records

Pending Consent records provide information about procedures recorded in the National Joint Registry (NJR) in which an implant registered with Beyond Compliance (BC) has been used, but patient consent for Beyond Compliance has not yet been recorded, or Pre-Operative records prior to linkage with a procedure recorded within the NJR.

Procedures						
Pending Consent		Pending Linkage		My BC Records		All BC Records
NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Surgeon
1998741	27/07/2015	Hip Primary	Left	NJR Test ...	Mr NJR CIC ...	MR NJR Sur...
1998739	24/07/2015	Hip Primary	Right	NJR Test ...	MR NJR Sur...	Mr NJR CIC ...

Pending Linkage records are records made prior to linkage with a procedure recorded within the NJR. Often, these records are made pre-operatively by the surgical team.

Procedures						
Pending Consent		Pending Linkage		My BC Records		All BC Records
NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Surgeon
1998741	27/07/2015	Hip Primary	Left	NJR Test ...	Mr NJR CIC ...	MR NJR Sur...
1998739	24/07/2015	Hip Primary	Right	NJR Test ...	MR NJR Sur...	Mr NJR CIC ...

My BC Records provides the details of all patients treated by the Surgeon, where a BC product has been used, and patient consent for Beyond Compliance has been recorded by the responsible surgeon.

Procedures

Pending Consent

Pending Linkage

My BC Records

All BC Records

+

Add New

NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand	Outcome
1998733	01/03/20...	Primary T...	Right	NJR Te...	MR NJR Su...	MR NJR Su...			Revised
1998717	16/03/20...	Knee Pri...	Left	NJR Te...	MR NJR Su...	MR NJR Su...			

All BC Records provides the details of all patients treated by all surgeons, where a BC product has been used, and patient consent for Beyond Compliance has been recorded. Each surgeon can only see the full records for patients that they are responsible for and the general records of procedures involving the specific BC implant for which they are authorized.

Procedures									
Pending Consent		Pending Linkage		My BC Records		All BC Records			
NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand	Outcom
	30/03/20...	Hip Primary	Left	NJR Te...					
	01/03/20...	Primary T...	Left	NJR Te...					Revised

The record lists are limited to ten records per page in order to make the details easy to read. Where there are more than ten records, the number of pages is displayed at the bottom of the screen on the **left-hand** side. A Refresh button is provided on the **right-hand** side at the bottom of the screen.

Procedures									
Pending Consent		Pending Linkage		My BC Records		All BC Records			
NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Manufacturer	Brand	Updated By	Updated On
1998706	16/01/2015	Hip Primary	Left	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
	06/01/2015	Hip Primary	Right	Aberge...	Olga T...			olga_taylor	07/01/2...
1998701	12/01/2015	Knee Prim...	Left	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
1998702	13/01/2015	Knee Prim...	Left	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
1998704	26/01/2015	Hip Primary	Right	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
1998711	14/01/2015	Knee Prim...	Right	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
1998713	02/02/2015	Knee Prim...	Left	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
	26/01/2015	Hip Primary	Right	NJR Te...	NJR Su...			NJR_Surg...	27/03/2...
1998710	27/01/2015	Knee Prim...	Left	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...
1998711	14/01/2015	Knee Prim...	Left	NJR Te...	MR NJ...			NJR_Surg...	27/03/2...

Number of pages

< 1 2 >

1 - 10 of 14 items

Refresh button

Viewing Details

Select the procedure from the grid and click to open a new window that has two tabs: Procedure or Components

Most users will see the following general information about the procedure and strictly limited information about the patient:

Pending Consent Record	
Procedure	Components
NJR Index No.	1998788
Operation Date	09/12/2015
Procedure Type	Knee Primary
Side	Right
Beyond Compliance Brands	TestSupplier - BENDY Knee
Imported	18/04/2016 08:12:16
Patient Age At Operation	Not available

Users who are responsible for the patient's care, e.g. Surgeons (who have conducted the said procedure) or their linked Data Entry staff, may see Patient Identifiable Data such as:

Pending Consent Record	
Procedure	Components
NJR Index No.	1998786
Operation Date	07/12/2015
Procedure Type	Knee Primary
Side	Left
Beyond Compliance Brands	TestSupplier - BENDY Knee
Imported	18/04/2016 08:12:15
Patient Name	Cygnus Black
Patient NHS Number	7612378736
Patient Address	5 Stratton Walk
Patient Postcode	BD15 7SN
Patient DOB	05/03/1953

Consent

All users may view details of Components, where available. The information covers:

- Manufacturer
- Brand
- Description
- Catalogue Number
- ODEP Rating
- Component Type
- Implant Joint Type
- Composition
- Fixation Method

Beyond Compliance Procedure

Procedures > Procedure 1924492

Procedure		Components	Patient Records		Questionnaire			
Manufacturer	Brand	Description	Cat. No.	ODEP Rating	Component Type	Implant Joint Type	Composition	Fixation Method
MWZDu	MWENia	FRMAN MOD HIP STEM 10MM	623421R	3A	Hinged/Linked	Knee		Cemented


Sorting

Any list of Records can be sorted by any of the columns in ascending or descending order by clicking on the heading:


• NJR Index No.	• Lead Surgeon Name
• Operation Date	• Manufacturer
• Procedure Type	• Brand
• Side	• Updated By
• Hospital Name	• Updated On


Filtering


It is also possible to filter  records within the columns.



- a) For the column titled 'NJR Index No.' the pop-up  box options are:

Show items with value that:

Is equal to 



And 

Is equal to 


 


Is Equal to
Is Greater than or equal to
Is Less than or equal to
And /Or


If two ranges /procedures are required, the operator "OR" should be selected.


- b) For the columns titled 'Operation Date' and 'Updated On' , the pop-up  box options are similar to above with an additional Calendar  option to select the date:


Show items with value that:



Is equal to 




And 

Is equal to 




Is Equal to
Is Greater than or equal to
Is Less than or equal to
And/Or

- c) For the other columns, the pop-up  box options are:

Show items with value that:

Contains 

Filter Clear

Where any text entered is used to search the column records

Exporting Summary Data

- When a user logs into Beyond Compliance, the system displays information based upon their specific security rights.
- Under PROCEDURES, each available tab will have an [Export] button.
- If the user clicks on the [Export] button, the data being displayed can be downloaded.
- Only the displayed on the grid can be downloaded.
- The download will include all records across all pages for the selected tab.
- If filters are applied, the system will only download the filtered records.
- Similarly, if sorting has been applied, the system will download the sorted records.
- The records are downloaded in .csv format.
- If no records are present, the [Export] button will be disabled.

Procedures

Pending Consent

Pending Linkage

My BC Records

All BC Records

Export

NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Surgeon	Manufacturer	Brand
1924455	10/11/2014	Revision usi...	Left	MGSObvc...	Dr Anjum H...	Dr Anjum H...	HWCCz	IOBFgb
1924451	10/09/2014	Hip Primary	Right	MGSObvc...	Dr Anjum H...	Dr Anjum H...	HWCCz	IOBFgb

Procedures

Pending Consent

Pending Linkage

My BC Records

All BC Records

Export

NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand
1924473	10/05/2014	Hip Primary	Left	MGSObvc...	Dr Anjum H...	Dr Anjum H...	HWCCz	IOBFgb

Procedures

Pending Consent

Pending Linkage

My BC Records

All BC Records

⊕ Add New

Export

NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand	Outcome
	07/08/2015	Hip Primary	Left	Abbey ...	Hadi Anju...	Hadi Anju...	HWCCz	IOBFg...	
1924465	10/11/2014	Revision ...	Right	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Revised
1924450	15/10/2014	Hip Primary	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Unrevis
	10/10/2014	Hip Primary	Right		Hadi Anju...	Hadi Anju...	HWCCz	IOBFg...	
1924357	10/09/2014	Primary T...	Left	MGSO...	Mr Veronic...	Dr Anjum ...	HWCCz	IOBFg...	Unrevis
1924475	20/06/2014	Hip Primary	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Unrevis
1924500	10/06/2014	Primary T...	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Revised
1924466	16/05/2014	Primary T...	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Revised
	10/05/2014	Hip Primary	Left		Hadi Anju...	Hadi Anju...	HWCCz	IOBFg...	

Procedures

Pending Consent

Pending Linkage

My BC Records

All BC Records

Export

NJR Index No.	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand	Outcome
	07/08/2015	Hip Primary	Left	Abbey ...	Hadi Anju...	Hadi Anju...	HWCCz	IOBFg...	
	01/01/2015	Knee Pri...	Left		Veronica B...	Veronica B...	MWZDu	NBNJH...	
1924465	10/11/2014	Revision ...	Right	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Revised
1924450	15/10/2014	Hip Primary	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Unrevis
	10/10/2014	Hip Primary	Right		Hadi Anju...	Hadi Anju...	HWCCz	IOBFg...	
1924357	10/09/2014	Primary T...	Left	MGSO...	Mr Veronic...	Dr Anjum ...	HWCCz	IOBFg...	Unrevis
1924475	20/06/2014	Hip Primary	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Unrevis
1924500	10/06/2014	Primary T...	Left	MGSO...	Dr Anjum ...	Dr Anjum ...	HWCCz	IOBFg...	Revised
1924480	05/06/2014	Revision ...	Left	MGSO...	Dr Boban T...	Dr Boban T...	HWCCz	IOBFg...	Revised


The downloaded file can then be opened for review and analysis on the local pc, for example:

AJR_Pwces_021215_09551-ave - Microsoft Excel													L101-101	
File Home Insert Layout Formulas Data Review View Account														
Font Styles Paragraph Alignment Number Conditional Formatting Tables														
Normal Bold Good Neutral Calculation Insert Delete Paste														
Exploratory Input Linked Cell Note														
Cells Editing														
222														
A	B	C	D	E	F	G	H	I	J	K	L	M		
1	NJRIndexNo	Operation Date	Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand	Outcome	Updated By	Updated On		
2	0	07/08/2015	Hip Primary	Left	Abbey Caldeu Hospital	Hadi Anjum (7188195)	Hadi Anjum (7188195)	HWCCz	IOBfgbmaukae/jtqecq	hadianjum	20/06/2015 14:02			
3	0	01/01/2015	Knee Primary	Left		Veronica Bhav (7192450)	Veronica Bhav (7192450)	MWZDu	NBNJH	hadianjum	09/03/2015 13:55			
4	1924605	10/11/2014	Revision using cement	Right	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Revised	hadianjum	11/03/2015 09:43		
5	1924650	15/10/2014	Hip Primary	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Unrevised	hadianjum	22/07/2015 15:06		
6	1924650	10/10/2014	Hip Primary	Right		Hadi Anjum (7188195)	Hadi Anjum (7188195)	HWCCz	IOBfgbmaukae/jtqecq	hadianjum	13/07/2015 19:05			
7	1924517	10/09/2014	Primary Total Prosthetic Replacement using cement	Left	MGSO	Mr Veronica Bhav	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Unrevised	hadianjum	10/07/2015 14:51		
8	1924675	20/06/2014	Hip Primary	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Unrevised	hadianjum	11/03/2015 13:37		
9	1924650	10/06/2014	Primary Total Prosthetic Replacement using cement	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Revised	hadianjum	20/03/2015 07:37		
10	1924680	05/06/2014	Revision using cement	Left	MGSO	Dr Boban Thomas	Dr Boban Thomas	HWCCz	IOBfgbmaukae/jtqecq	Revised	thomas boban	06/02/2015 11:27		
11	1924666	16/05/2014	Primary Total Prosthetic Replacement using cement	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Revised	hadianjum	12/03/2015 08:17		
12	1924683	05/05/2014	Primary Total Prosthetic Replacement using cement	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Revised	hadianjum	06/02/2015 11:24		
13	1924663	05/05/2014	Revision using cement	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Revised	hadianjum	11/03/2015 07:54		
14	0	09/03/2014	Hip Primary	Right	MGSO	Hadi Anjum (7188195)	Hadi Anjum (7188195)	HWCCz	IOBfgbmaukae/jtqecq	hadianjum	11/03/2015 14:01			
15	1924650	16/05/2014	Primary Total Prosthetic Replacement using cement	Right	MGSO	Mr Veronica Bhav	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Revised	hadianjum	12/03/2015 11:15		
16	1924698	01/01/2014	Hip Primary	Left	MGSO	Dr Anjum Hadi	Dr Anjum Hadi	HWCCz	IOBfgbmaukae/jtqecq	Unrevised	hadianjum	20/03/2015 07:37		
17	1924626	08/05/2013	Primary Total Prosthetic Replacement using cement	Right	MGSO	Dr Boban Thomas	Dr Boban Thomas	HWCCz	IOBfgbmaukae/jtqecq	Revised	thomas boban	09/01/2015 10:30		
18	0	02/01/2013	Hip Single Stage Revision	Right	MGSO	Mr Veronica Bhav	Mr Veronica Bhav	HWCCz	IOBfgbmaukae/jtqecq	Unrevised	BhaveVeronica	27/02/2015 05:16		
19	0	Knee Primary	Right		Veronica Bhav (7192450)	Veronica Bhav (7192450)	MWZDu	AGHCyhmioeCpucqkbrsmjmbgezz	hadianjum	26/02/2015 18:51				

Recording Patient Consent for Pending Records

Specific patient consent is required for Beyond Compliance.

A one-page document can be downloaded from the Beyond Compliance [website](#) which, when signed, should be stored with the patient's clinical notes.



Beyond Compliance Service Patient Information Sheet and Consent Form

The manufacturer of your implant has chosen to include it in the **Beyond Compliance** Service, to provide an additional level of independent scrutiny of the performance of the implant.

"Beyond Compliance" is a service available to manufacturers of implantable medical devices to support the safe introduction of new or modified implants. The Service collects and reports information about patients receiving these implants and their subsequent recovery following surgery. *Beyond Compliance is supported by an independent Advisory*

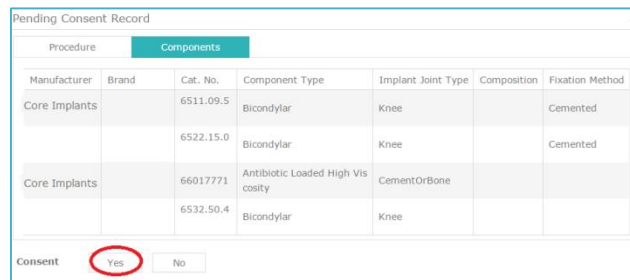
To start registering patients into the Beyond Compliance service, you will need to select a Procedure listed under the Pending Record tab for a patient linked to information imported from the National Joint Registry (NJR) or create a Pre-Operative record (see later).

When a patient procedure is selected from the Pending Records list, information about the Procedure and the Components used is shown together with two buttons (Patient Consent: Yes or No) at the bottom of the record. The Consent buttons are available when viewing information about the Procedure or the Components.

Please note that the Patient Identifiable Data under the Pending Consent tab must only be viewed by the surgeon and linked data entry users.

Pending Consent Record	
Procedure	Components
NJR Index No.	1998717
Operation Date	16/03/2015
Procedure Type	Knee Primary
Side	Left
Hospital	NJR Test Hospital
Lead Surgeon	MR NJR Surgeon (9999998)
Consultant Surgeon	MR NJR Surgeon (9999998)
Beyond Compliance Brands	Knee Replacement System (Fixed Bearing)
Imported	26/03/2015 08:10:55
Patient Name	Adria Kinley
Patient NHS Number	1111111111
Patient Address	12 Oakfield Road
Patient Postcode	BS8 2AL
Patient DOB	25/03/1921
Consent	<input checked="" type="radio"/> Yes <input type="radio"/> No

Click on the "Components" tab to view the list of components used in the selected procedure



Pending Consent Record						
Procedure		Components				
Manufacturer	Brand	Cat. No.	Component Type	Implant Joint Type	Composition	Fixation Method
Core Implants		6511.09.5	Bicondylar	Knee		Cemented
		6522.15.0	Bicondylar	Knee		Cemented
Core Implants		66017771	Antibiotic Loaded High Viscosity	CementOrBone		
		6532.50.4	Bicondylar	Knee		

Consent: ☒ Yes ☐ No

When consent is set to "Yes", the record will be considered a Beyond Compliance record. It will be added to the Beyond Compliance database. The record will be removed from the 'Pending Records' tab and listed under the 'My BC Records' tab.

The Record will also be listed under the 'All BC Records' tab. However, the Patient Identifiable Data (PID) will only be shown to the authorized surgeon (and linked Data Entry User) under the 'My BC Records' tab.

If Consent is set to "No", the basic information in the record will still be added to the database within Beyond Compliance but the Patient Identifiable Data (PID) will remain anonymised to all users.

NB. It is important to check that all the patient identifiable information is visible before changing the Patient Consent status in Beyond Compliance. It may take some time for the full record to become available after the initial NJR record is visible, as the patient information is cross-checked centrally for validity and accuracy by the National Joint Registry. If the user assumes that a record is that of a particular patient, before the full patient identification information is available, the user may later experience difficulties when trying to merge records or add extra information to the record in Beyond Compliance.

New/Pre-Operative Records

A facility to create a new/pre-operative patient record is provided so that a Surgeon or a Data Entry person can create a procedure on Beyond Compliance, in advance of the procedure or independently of the National Joint Registry (NJR).

In due course, if the procedure is recorded on the NJR, the record can be linked to the new/pre-operative record.

To access this option, a Surgeon or Data Entry person will log-in and be shown the Procedures screen. By clicking on 'Procedures' and the 'My BC Records' tab, an 'Add New' option becomes available located on the top left hand corner of the 'My BC Records' grid.

Clicking on '(+) Add New' opens a new window containing 'Procedure Record' form for entering the details. Data can be entered in the following fields:

- Patient Consent*
- Patient NHS Number
- Patient Name
- Patient Date of Birth
- Patient Post Code
- Patient Email Address
- Hospital
- Operation Date
- Lead Surgeon*

- Side*
- Brand*
- Manufacturer*
- Joint*
- Procedure Type*

Mandatory fields are marked with an asterisk.

Duplicate data is prevented by requiring the combination of NHS number (if available) , Joint, Operation date (when provided) and Side to be unique.

The Form has 'Save' and 'Cancel' buttons and a 'X' button for Closing in top right-hand corner.

A validation error message will be shown on attempting to 'Save' if data for mandatory fields is missing. On 'Save' if all mandatory requirements are met the message 'Record Saved Successfully' will be shown. After saving the procedure, the details will be visible under the 'My BC Records' and 'All BC Records' tabs.

On 'Cancel', if any changes have been made, then the User will be asked for a confirmation. After confirmation, or if no changes are made, 'Cancel' will discard the changes.

Manually created procedures can only be edited or deleted until linked to a NJR procedure.

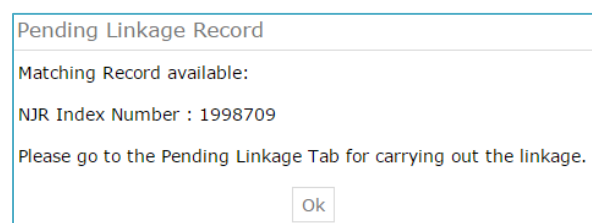
The 'Delete' facility is only available to lead Surgeons linked to the manually created BC procedure. Manually created BC procedure can only be deleted if there are no patient records or questionnaires attached. On 'Delete', the User will be asked for a confirmation that will result in deleting the entire manually created procedure from BC database.

Pending Linkage

NJR procedures that use implant components, which are registered with Beyond Compliance, are updated overnight.

Each night, new NJR records are checked for potential merging with existing records within Beyond Compliance that match on the basis of the Patient NHS Number, Joint, Side, Operation Date and having a blank NJR Index Number.

When a potential match is found, the record is displayed under the 'Pending Linkage' rather than the 'Pending Consent' tab. In addition, if the existing record under 'My BC records' is viewed, a pop-up window notifies the user that there is a potential match:



When the user views the record under the 'Pending Linkage' tab, a pop-up window displays the two matching records side-by-side:

Procedure

Components

NJR Record

BC Record

NJR Index No.	1998709	
Operation Date	26/01/2015	26/01/2015
Procedure Type	Hip Primary	Hip Primary
Side	Right	Right
Joint	Hip	Hip
Hospital	NJR Test Hospital	NJR Test Hospital
Lead Surgeon	MR NJR Surgeon (9999998)	Mr NJR Surgeon (9999998)
Consultant Surgeon	MR NJR Surgeon (9999998)	
Beyond Compliance Brands		
Imported	26/03/2015 08:10:55	
Patient Name	Ivan Korshunov	Ivan Korshunov
Patient NHS Number	1111111111	1111111111
Patient Address	Belgravia House Chester Square	
Patient Postcode	SW1W	SW1W
Patient DOB	21/03/1958	21/03/1958

Warning: An NJR record has been found for this procedure. Upon your confirmation, NJR data will be used to populate the BC record. In the case of discrepancies, NJR data will be used.

Confirm record match

Yes

No

Only the surgeons who are responsible for the procedure or their authorized data entry user may view the complete record and complete the linkage.

If the user confirms the record match, this record will now be displayed under 'My BC Records' and will no longer appear under the 'Pending Linkage' tab. All duplicate data for the manually-created procedure will be overridden by data from NJR procedure.

Any additional information such as clinical attachments, submitted questionnaires or patient email address will be retained.

My BC Records

When Patient Consent for a Pending Procedure is set to "Yes" by the Surgeon, that record becomes a BC record and will be listed under this tab. As an option, an authorized Surgeon or linked Data Entry person may capture an email address for a patient who has given consent for their data to be held in the Beyond Compliance service.

Beyond Compliance Procedure

Procedures > Procedure 1998718

Procedure

Components

Patient Records

Questionnaire

NJR Index No.	1998718
Operation Date	16/03/2015
Procedure Type	Knee Primary
Side	Right
Hospital	NJR Test Hospital
Lead Surgeon	MR NJR Surgeon (9999998)
Consultant Surgeon	MR NJR Surgeon (9999998)
Beyond Compliance Brands	Primary Total Knee Replacement System
Imported	26/03/2015 08:10:55
Patient Name	Uitar Morley
Patient NHS Number	1111111111
Patient Address	13 Maple Road
Patient Postcode	OX20 3NW
Patient DOB	25/02/1931
Patient Email	clara@456.com
Last Updated By	NJR_Surgeon
Last Updated On	27/03/2015 11:46:46

Update

northgate

National Joint Registry

MHRA

NHS

British Orthopaedic Association

Abi

The email address may be used for any future communications directly to the patient. The same email address (linked by NHS number) will be used for all implant procedures against the same patient. However, the email address does not have to be unique – i.e. the same email address can be used for multiple patients (for example, a mother or a father might use a son's or a daughter's email address).

Only authorized Surgeons and linked Data Entry staff can capture a patient's email address. This facility is not available to Manufacturers, Rapporteurs/Evaluators or Administrators as Patient Identifiable Data is not displayed to these User Types.

The email address can only be captured under 'My BC Records' and 'All BC Records' under the Procedures menu option.

When an authorized User (the surgeon who performs the procedure or a linked data entry person) clicks on a complete procedure under the 'Pending Consent' tab, and updates the Consent to 'Yes', the User is taken to 'My BC Records' tab which will allow the email address to be updated.

To save, click on the 'Update' button and the system will store the email address.

This facility will only be available for records that are otherwise complete. It will not be provided for pending procedures and for anonymous procedures. The text field will have a maximum size of 100 characters. If the email validation check finds an error, a failure message will be displayed.

As consent has been given by the patient, the surgeon is now able to see the OUTCOME status of the implant.

Procedures

Pending Consent	Pending Linkage	My BC Records	All BC Records						
<div><div><div><div></div></div><div>Add New</div></div></div>									
Procedure Type	Side	Hospital Name	Lead Surgeon Name	Consultant Name	Manufacturer	Brand	Outcome	Updated By	Updated On
Revision...	Right	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Revised	hadianjum	15/0
Hip Prima...	Right	Aberge...	Hadi Anju...	Hadi Anju...	HWCCz	IOBFg...		Hadianjum	01/2
Hip Prima...	Left	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Unrevised	hadianjum	15/0
Primary T...	Left	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Revised	hadianjum	30/0
Primary T...	Left	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Revised	hadianjum	12/0
Hip Prima...	Left	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Deceased	hadianjum	09/2
Primary T...	Right	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Revised	hadianjum	15/0
Revision...	Left	MGSO...	Dr Anjum...	Dr Anjum...	HWCCz	IOBFg...	Revised	hadianjum	13/0

The OUTCOME status may be Revised, Unrevised or Deceased. A blank display may occur if essential data is missing in the original NJR records, such as the patient's NHS number, the SIDE on which the procedure was undertaken or the NJR Index Number is not available. It may also occur if the NJR record has not been recorded as completed.

If the OUTCOME status is 'Revised', the text becomes highlighted and, when selected, will open a screen displaying details of the revision procedure.

Procedure	Components	Patient Records	Questionnaire
NJR Index No.	1924470		
Operation Date	13/10/2014		
Procedure Type	Knee Single Stage Revision		
Side	Right		
Survival Time Of The Implant	1.5 years		
Beyond Compliance Brands	MWZDu - AQHCyjhnlmioEcpwuqkbnsmjmx bqegzz		
Imported	16/06/2015 08:10:53		
Patient Age At Operation	23		

Survival Time of the Implant field value is calculated using the formula

$$\text{Survival Time of the Implant} = (\text{Date of Death} - \text{Date of Operation})$$

- The Implant Survival Time will be displayed in years to one decimal place. For example, if the Date of Death is 10th December 2015 and the Date of Operation is 6th August 2013 then the system will calculate and display the Survival Time of the Implant as "2.3 years".
- If a patient (who has received an implant registered with Beyond Compliance that has not been revised) dies, the system will update the registered Outcome for that patient to show the status as 'Deceased'.
- If the implant had already been revised before the patient died, the system will continue to show the Outcome as 'Revised'.
- Outcomes are only shown when patients have been recorded as giving consent to share data within Beyond Compliance,
- When a user clicks on the Outcome (Deceased), the system will also display the Procedure details screen with a field entitled "Survival Time of the Implant",
- Users responsible for the patient, e.g. Surgeons (who have conducted the said procedure) or linked Data Entry user, can view the survival time of the implant field and patient identifiable data

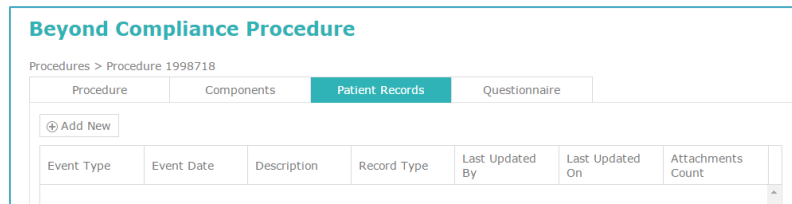
Procedure	Components	Patient Records	Questionnaire
NJR Index No.	1924473		
Operation Date	10/05/2014		
Procedure Type	Hip Primary		
Side	Left		
Beyond Compliance Brands	HWCCz - IOBFgbvmaukaejgtqxcCq		
Survival Time Of The Implant	1.5 years		
Patient Name	Sonakshi Sinha		
Patient NHS Number	1111112029		
Patient Address	Address1 Address2		
Patient Postcode	AS3 4FG		
Patient DOB	10/11/1975		
Patient Email	<input type="text" value="abc@gmail.com"/>		<input type="button" value="Update"/>
Last Updated By	hadianjum		
Last Updated On	09/10/2015 07:35:39		

Other users can only view survival time of the implant field.

Only the surgeon (and linked Data Entry User) will be able to see the My BC Records tab which displays Patient Identifiable Data; anonymised data is visible to other users, under the All BC Records tab.

For revision procedures, the details of the surgeon and hospital will only be visible if the Consultant in Charge is the same for the primary and revision procedure.

For all records within My BC Records, two further tabs are available, where the Data Entry User can add events to Patient Records or add Questionnaires, where applicable:



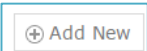
The screenshot shows the 'Beyond Compliance Procedure' interface. At the top, there's a breadcrumb 'Procedures > Procedure 1998718'. Below this are four tabs: 'Procedure', 'Components', 'Patient Records' (which is active and highlighted in teal), and 'Questionnaire'. Under the 'Patient Records' tab, there's a '+ Add New' button. Below the button is a table with the following columns: 'Event Type', 'Event Date', 'Description', 'Record Type', 'Last Updated By', 'Last Updated On', and 'Attachments Count'.

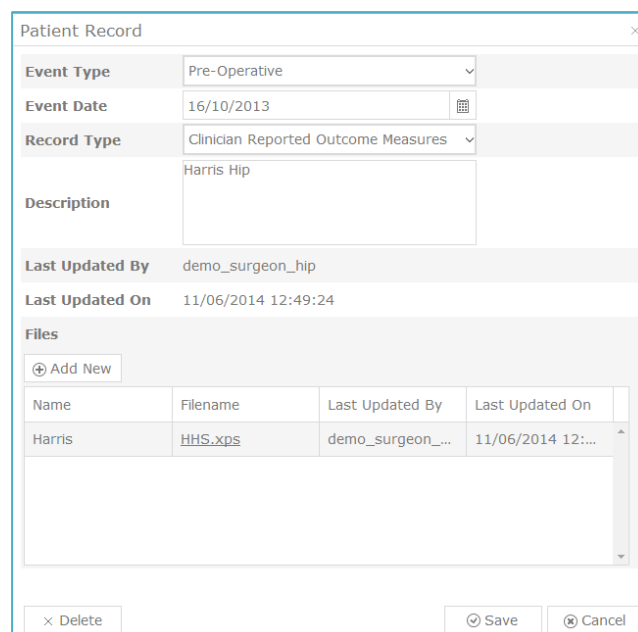
Adding New Information

Patient Records

Additional events can also be edited and deleted, if necessary. The authorized surgeon is in control of adding, updating and amending these additional records. Within the Patient Record, each item is called an element.

Authorized Surgeons and linked Data Entry Users can add new information elements to Patient Records in Beyond Compliance by clicking on the 'Add New' button that now becomes available:

When the  is clicked, the following screen will display



The screenshot shows the 'Patient Record' form. It has a title bar 'Patient Record' with a close button. The form contains several fields: 'Event Type' (dropdown menu with 'Pre-Operative' selected), 'Event Date' (calendar icon with date '16/10/2013'), 'Record Type' (dropdown menu with 'Clinician Reported Outcome Measures' selected), and 'Description' (text area with 'Harris Hip' entered). Below these is 'Last Updated By' (text 'demo_surgeon_hip') and 'Last Updated On' (text '11/06/2014 12:49:24'). There's a 'Files' section with a '+ Add New' button and a table with columns: 'Name', 'Filename', 'Last Updated By', and 'Last Updated On'. The table has one row: 'Harris', 'HHS.xps', 'demo_surgeon_...', and '11/06/2014 12:...'. At the bottom are three buttons: 'Delete', 'Save', and 'Cancel'.

This is where you can upload additional information elements about the selected patient.

The table below explains the type of information that you can record and which elements of the information are mandatory.

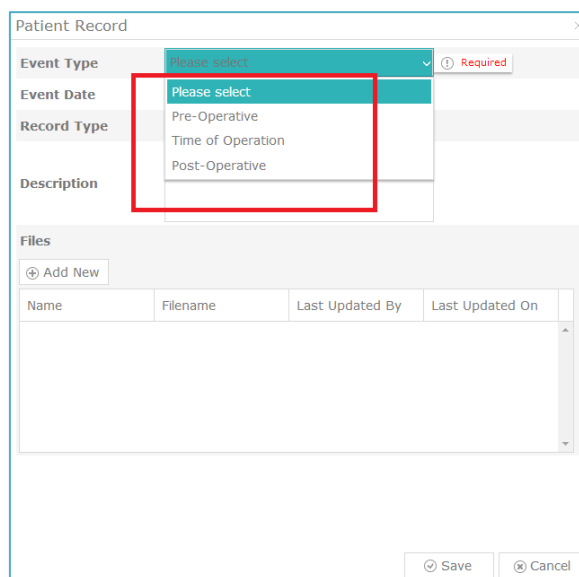
Please Note. No Patient identifiable information should be recorded in this section.

Although this section is only available to authorized users, Patient Identifiable Data is privileged information and should only be disclosed to the healthcare professional who has obtained patient consent and is responsible for their clinical care.

Other authorized users within Beyond Compliance, such as Advisory Board members, may view this uploaded data.

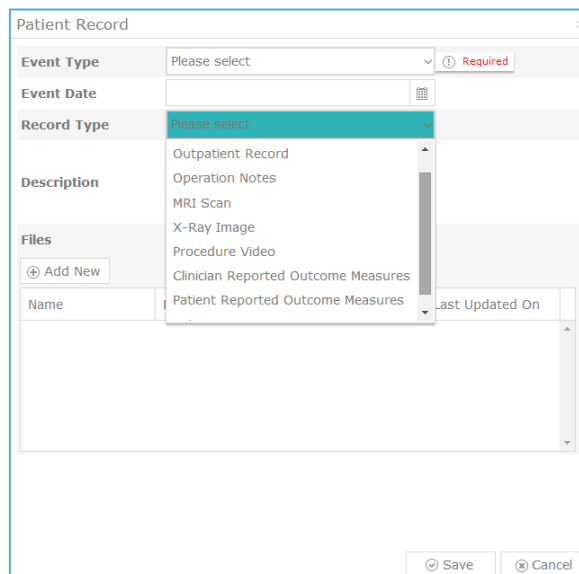
We recommend that during the process of documents de-identification the patient's First Name, Last Name, Date of Birth, Postcode and the NHS number should be removed. However, it is acceptable to retain the Hospital ID and / or the unique NJR number. Either or both numbers may be used in the file name.

There are three types of events:



The screenshot shows the 'Patient Record' form. The 'Record Type' dropdown menu is open, displaying three options: 'Pre-Operative', 'Time of Operation', and 'Post-Operative'. The 'Event Type' dropdown is set to 'Please select' and is marked as 'Required'. The 'Event Date' field is empty. The 'Description' field is empty. The 'Files' section includes an 'Add New' button and a table with columns: Name, Filename, Last Updated By, and Last Updated On. The 'Save' and 'Cancel' buttons are at the bottom right.

There are eight records types, which are available for any event type:



The screenshot shows the 'Patient Record' form. The 'Record Type' dropdown menu is open, displaying eight options: 'Outpatient Record', 'Operation Notes', 'MRI Scan', 'X-Ray Image', 'Procedure Video', 'Clinician Reported Outcome Measures', and 'Patient Reported Outcome Measures'. The 'Event Type' dropdown is set to 'Please select' and is marked as 'Required'. The 'Event Date' field is empty. The 'Description' field is empty. The 'Files' section includes an 'Add New' button and a table with columns: Name, Filename, Last Updated By, and Last Updated On. The 'Save' and 'Cancel' buttons are at the bottom right.

Event Type

- Pre-Operative
- Time of Operation
- Post-Operative

Event Date (choose from the calendar or type in)

Record Type

- Outpatient Record
- Operation Notes
- MRI Scan
- X-Ray Image
- Procedure Video
- Clinical Reported Outcome Measures
- Patient Reported Outcome Measure
- Other – when selected, another text box is displayed so that the type can be specified Patient Name (Optional)

Description (maximum length 4000 characters)

Files (the section for uploading new files)

Name (the name of the file as you would like it to appear in the list)

Filename (you can select a file from your device by clicking on the Select button)

'This file contains no patient identifiable data' tick box (self-explanatory)

When new information is added it will be shown in the following way

Beyond Compliance Procedure

Procedures > Procedure 1998703

Procedure	Components		Patient Records	Questionnaire		
<div><div><div>+</div>Add New</div></div>						
Event Type	Event Date	Description	Record Type	Last Updated By	Last Updated On	Attachments Count
Pre-Operative	03/03/2014	Dummy	X-Ray Image	TestSurgeon3	04/03/2014 1...	1
Pre-Operative	27/02/2014	The Beyond C...	MRI Scan	TestSurgeon3	26/02/2014 0...	0
Pre-Operative	23/02/2014	Test data for ...	Outpatient Re...	TestSurgeon3	23/02/2014 0...	1
Post-Operative	13/02/2014	Oxford Hip Sc...	Patient Report...	TestSurgeon3	17/02/2014 1...	1
Time of Opera...	13/12/2013	X-RAY	X-Ray Image	TestSurgeon3	13/02/2014 1...	1
Pre-Operative	30/11/2013	PROMs	Patient Report...	TestSurgeon3	08/11/2013 1...	2

The records can be sorted by any of the columns (except the Attachment Count column) in ascending or descending order by clicking on the heading. Please note that only a single level sort is currently available (i.e. the records can be sorted by any single field at a time).

Questionnaires

For some implants, pre-formatted questionnaires have been uploaded to the system for completion. Where this is the case, the 'Questionnaire' tab will be active (rather than greyed-out) and data that has been entered can be viewed, edited or added to, where applicable. The screen will be similar to the following:

Beyond Compliance Procedure

Procedures > Procedure 1998718

Procedure	Components	Patient Records	Questionnaire
-----------	------------	-----------------	---------------

⊕ Add New

Event Date	Year	Last Updated On	Last Updated By
10/12/2014		31/03/2015 10:34	NJR_Surgeon

The records can be viewed by clicking on the relevant record which will open in a pop-up window.

Editing a Record

To edit a record, a responsible surgeon may click anywhere on the relevant line, wherever the mouse pointer turns into a hand, which indicates a hyperlink.

Deleting a Record

Only the surgeon, who is responsible for the patient, can delete items within a patient record. These items are the attachments (i.e. X-rays, etc.) that have been uploaded by the responsible surgeon.

Messages

The system administrator may send broadcast messages to individual users or groups of users within Beyond Compliance,

Messages may be personalized to include specific information, such as number of procedures for an implant and the number of cases where patient consent has been recorded.

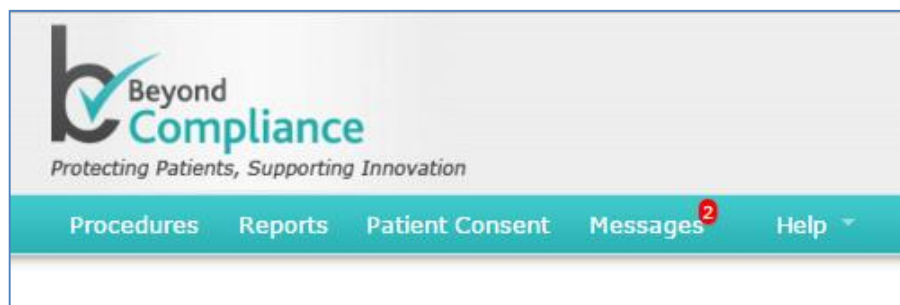
Where the message has specific information relating to a particular implant, separate messages will be sent for each implant.

Messages will be in read-only mode which means that they cannot be edited and replies cannot be sent.

Hyperlinks within any message will redirect the user to the corresponding external link.

Users may delete any message, which removes the item from their message grid.

After log-in, users will note "Messages" option on the menu bar with a bubble displaying the number of unread messages.



If the user reads the messages the notification will decrement and when no unread messages remain the bubble will not be displayed.

When the user clicks on the Messages option on the menu bar, the system will display a grid with all messages received.

The grid will display Subject, Message Date Time and Message Body:

Procedures Reports Patient Consent Messages Help		
Messages		
Subject	Message Date Time	Message Body
Implant Information Update	06/01/2016 21:23:11	The Implant used for knee procedures will be updated...
Manufacturer on Implant is...	05/01/2016 23:43:48	The information given by the manufacturer for the imp...
1 2 3 4 5 1 - 10 of 41 items		

The messages may be filtered / sorted by Subject, Time or First line of message text.

Further Information

Please contact the service desk on 0845 263 6376 or email: support@beyondcompliance.org.uk