

## IQICC - QI in Crohn's & colitis

User Guide for the IBD Registry KPIs Tool (V01)

Using our secure web application for capturing the essential data needed for the new KPIs

Corresponds to IQICC release 1.0

This tool was created using grant funding provided by Galapagos



#### What are the revised KPIs?



- The original clinical KPIs were focused on Biological Therapies
  - Started as part of the RCP Audit
  - Migrated to continue under the IBD Registry
- BSG IBD Section led the review of the KPIs in 2021
  - 2 Delphi rounds, across all UK
- Revised KPIs consensus focusing on
  - Diagnostic Pathway
  - Steroids Use
  - Biological Agents
- Published 2023 in Frontline Gastroenterology
  - https://fg.bmj.com/content/14/5/407

## Why a KPIs Tool?



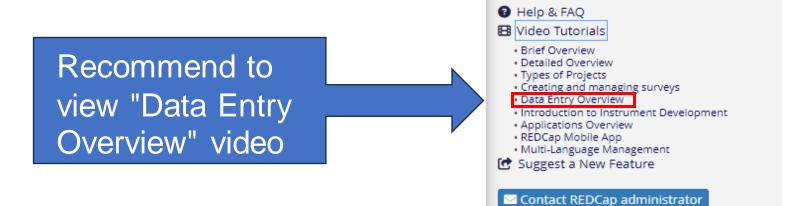
- To support IBD teams without any other system for data capture
- KPI-focused data capture
  - Fast & easy data entry for KPI-level data
  - Auto calculations for KPIs immediately available
- Designed to help your local service
  - Worklists and reports, downloadable locally
  - Dashboard, service level and national comparators
- Can be extended to offer more options
  - Higher level QI, research and PROMS fields 'built in' if required
  - Can add to existing data for studies rather than start data entry again

### What is REDCap?



- REDCap is a widely used secure web application for research and studies data collection.
- The IBD Registry team will create an account for you
- Login here: <a href="https://surveys.ibdregistry.org.uk/redcap/">https://surveys.ibdregistry.org.uk/redcap/</a>
- Select "IQICC Clinical KPIs" Project

 After logging in, Help & FAQ (with searchable questions) and video tutorials are available in the left navigation menu.



Help & Information



# Using the screens for data capture





- Please save the form whenever leaving the page this ensures that data is saved, and behind-the-scenes calculations are correctly performed.
- The forms/ instruments can be accessed and filled in any order.
   However, KPI information may be missing if insufficient data has been entered.
- Some fields have 'soft' validation with warnings (e.g. date of symptoms should be before date of diagnosis). But data can still be saved in case of rare edge cases – please check the data makes clinical and logical sense before bypassing warnings.

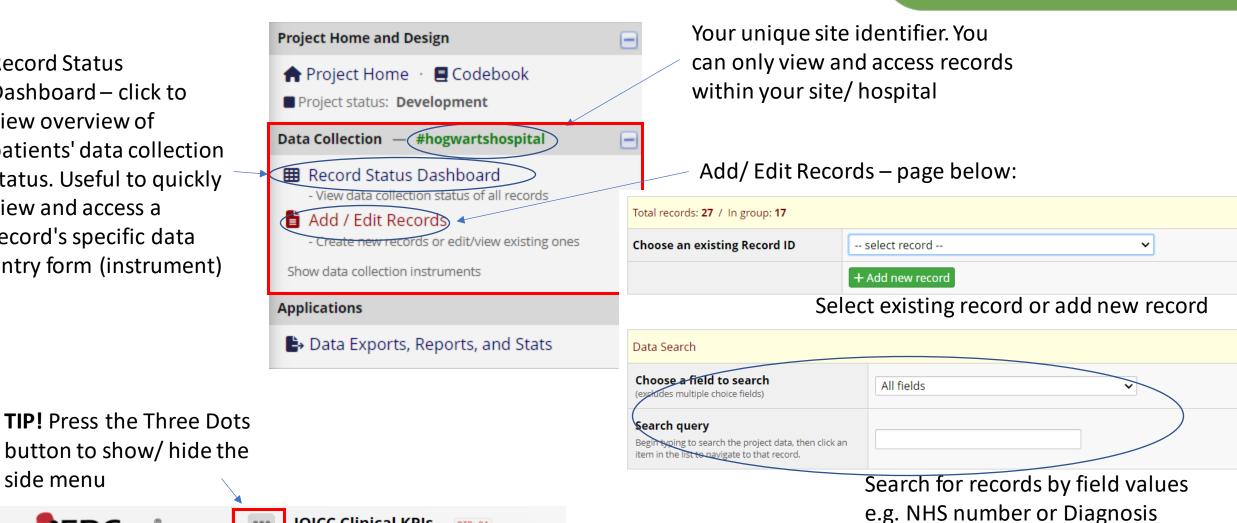
#### **Landing Page - the Menu**



**Record Status** Dashboard – click to view overview of patients' data collection status. Useful to quickly view and access a record's specific data entry form (instrument)

side menu

**REDCap**<sup>®</sup>



**IQICC Clinical KPIs** 

## **Understanding the Record Home Page**



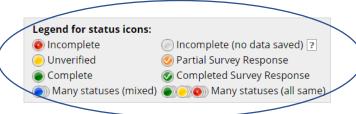
This page is accessed whenever you click a record by ID or click "add new record"

+ Add new record

#### **Ⅲ** Record Home Page

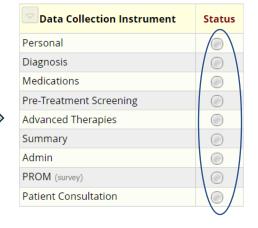
② Record "1005-6" is a new Record ID. To create the record and begin entering data for it, click any gray status icon below.

The grid below displays the form-by-form progress of data entered for the currently selected record. You may click on the colored status icons to access that form/event.



View the status of a form using colour status

#### NEW Record ID 1005-6



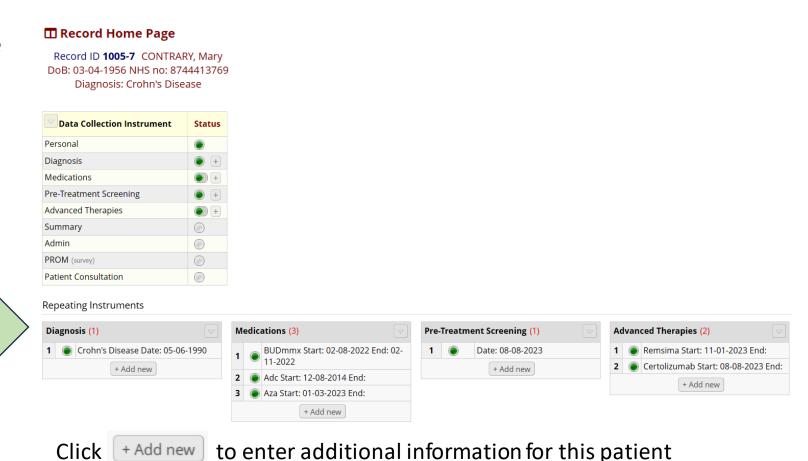
Click any status icon to enter/modify data for that form (instrument). Note that some forms are repeatable e.g. multiple medications can be entered

The forms each correspond to an element of patient engagement

## **Understanding the Record Home Page**

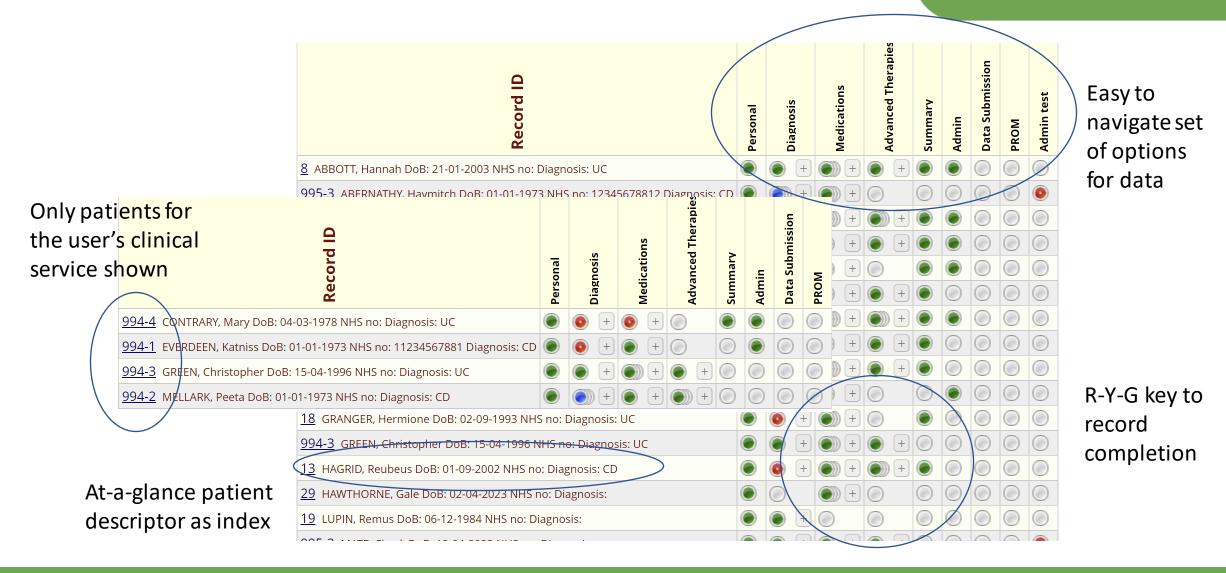


Scroll page down to see summary information for this patient



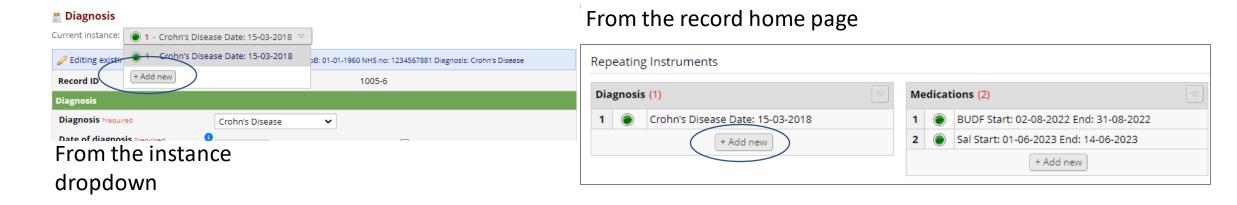
#### The Record Status Dashboard





# Repeatable items: how to add a new instance





From the record data collection menu



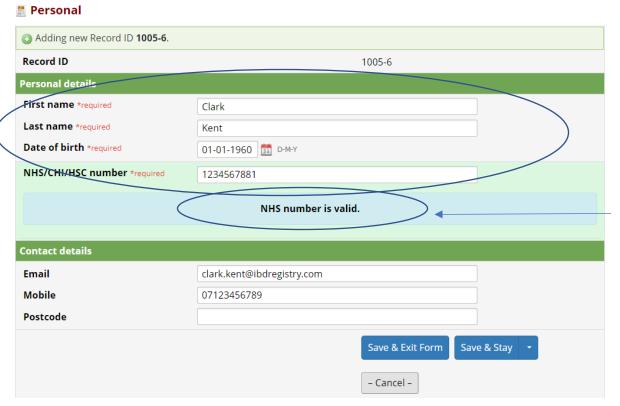


Diagnosis, Medications, Pre-Treatment Screening, Advanced Therapies, PROM are repeatable instruments. Meaning you can add multiple instances of them per patient. This may be required to perform accurate KPI calculations e.g. repeating steroid courses for an accurate KPI 3 (number of steroid courses last year)

#### Patient details - Personal



Basic patient information. Only name, DOB and NHS Number are required.



NHS Number checker – feedback provided on screen for both valid and invalid inputs (warnings can be bypassed)

#### Diagnosis (KPI-1 & 2)



Diagnosis and date of diagnosis is required

Editing existing Record ID 1005-6. (Instance #1) KENT, Clark DoB: 01-01-1960 NHS no: 1234567881 Diagnosis: Record ID 1005-6 Diagnosis \*required Crohn's Disease Date of diagnosis \*required 15-03-2018 31 D-M-Y Date is approximate Diagnosis during non-elective Diagnosis received following an acute (non-elective) hospital admission O Not Known KPI 1: Time from primary care referral to diagnosis in secondary care Date of initial referral Date is approximate 25-01-2018 31 D-M-Y Source of referral General practitione Emergency department Secondary care Not Known clear KPI 2: Time to treatment recommendation following a diagnosis First treatment received following a diagnosis as an inpatient following an acute (non-elective) First treatment during nonelective admission? O Yes O No Date first treatmen Date is approximate 02-04-2018 31 D-M-Y Outcome of treatment decision Watch and wait O Patient declined treatment Save & Exit Form Save & Stay - Cancel -

KPI 1 – date of initial referral is required for tool to calculate KPI

This is a REPEATABLE instrument. You can add another instance of the form if required. E.g. patient had unspecified IBD type before being diagnosed with Crohn's Disease.

KPI 2 – date of first treatment recommendation is required for tool to calculate KPI

Patient Diagnosis Medications Fre-Heatment Advanced Therapies Summary Admin PROM Patient Consultation

Pre-Treatment

#### Medications (KPI-3)



Medication & Start date required

Medication list may be limited to only steroids if KPI-level selected

This is a REPEATABLE instrument. You can add another instance of the form if required. E.g. if the patient had multiple courses of steroids.

Editing existing Record ID 1. (Instance #5) POT	TER, Harry DoB: 01-01-2000 NHS no: 1234567881 Diagnosis: Crohn's Dise	ase	
Record ID			
Medications - Oral Steroids (for KPI-3) or Other	Medications		
Only oral steroids or other medications?	Oral steroids Other Medications		clear
Medication *required	Hydrocortisone		
Start date *required	02-04-2021 31 D-M-Y	☐ Date is approximate	
S Patient currently on this drug?	○ Yes ● No		clea
Stop date	16-04-2021 D-M-Y	Date is approximate	
Calculated number of weeks on this course: 2	If dates unknown ente in weeks:	er course length	
KPI-3: Patient consultation on steroids use			
Questions to ask the patient about steroids d	uring the consultation		
hen were these questions asked?		31 D-M-Y	
w many courses of steroids have you taken in	the last 12 months that were NOT prescribed by the hospital?		
How many weeks in the past year have you taker	steroids which were NOT prescribed by the hospital		
ock this instrument?		and a	
locked, no user will be able to modify this instrument for this notes it.	cord until someone with Instrument Level Lock/Unlock privileges	ICK.	

KPI 3 – tool will calculate the number of courses and weeks of steroids in the past year using all relevant instances of Medications.

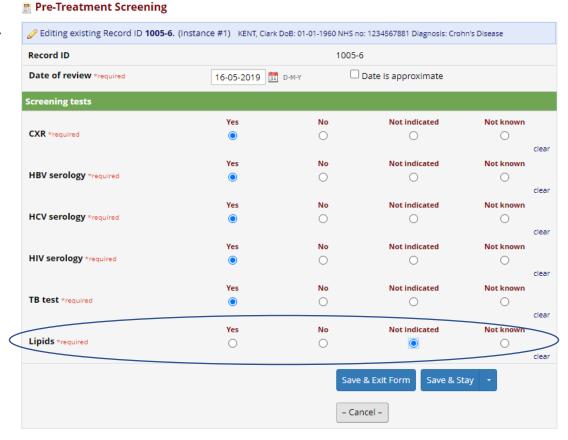
KPI 3 – extra information can be provided from the patient

#### **Pre-Treatment Screening**



Pre-treatment screening prior to advanced therapies is required as part of KPI 4

This is a REPEATABLE instrument. You can add another instance of the form if required. E.g. if the patient had multiple screenings



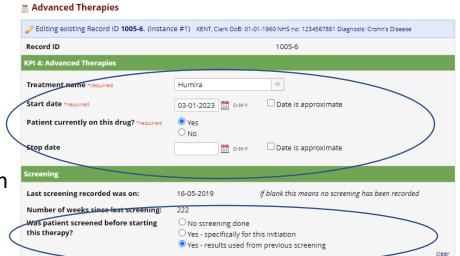
Lipids for JAK-i

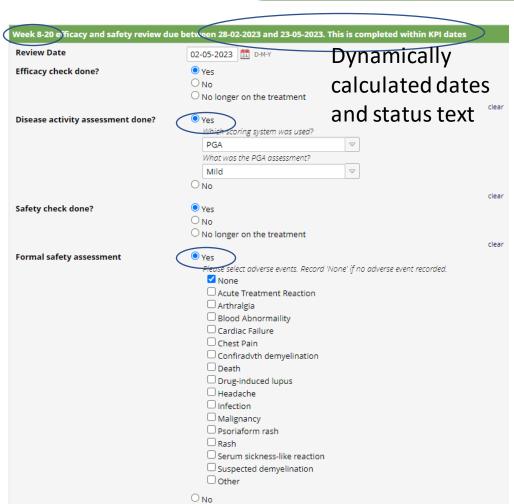
#### **Advanced Therapies (KPI-4)**



Treatment name and dates are required

Screening question used for the later summary page





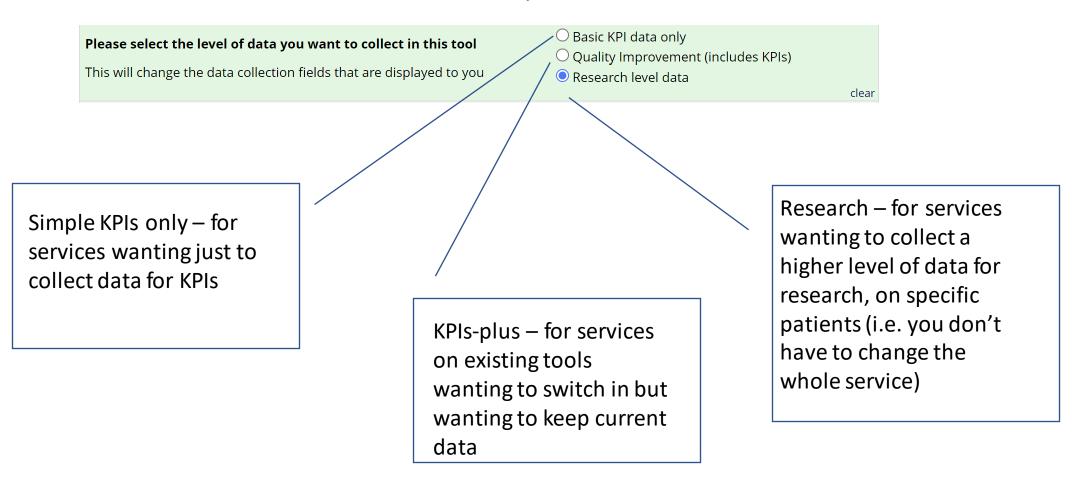
This is a REPEATABLE instrument. You can add another instance of the form if required. E.g. if the patient had multiple treatments

KPI 4 – two identical sections for the efficacy and safety review, one for 8-20 week, and one for 10-14 month. Dynamically shows fields if "Yes" selected for assessment.

#### Administration (for senior users)



Senior clinical users can decide what level they want the data screens to show at



**Advanced Therapies** 

Summary

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Medications

Diagnosis

Patient

Pre-Treatment

Screening

PROM

Admin

Patient Consultation

#### Summary screen







Summary of KPIs for the patient. Information may be missing if other instruments not completed



# Worklists and Reports

## **Example KPI De-identified Report**



KPI 1 for most recent diagnosis (days)	KPI 2 for most recent diagnosis (days)	KPI 3 end date - If not set in Admin, then this is the date the record was last saved	KPI 3 - Number of courses of steroids in the 12 months before KPI e te (excludes patient reported)	KPI 3 - Number of weeks on steroids in the 12 months before KPI end date (excludes patient reported)	KPI 4 - Screening status for most recently started advanced therapy	KPI 4 - 3m review date for most recently started advanced therapy	FIF 4 - 1y review date for most recently started advanced therapy
363 30 2 2 30 314	30	2023-10-02	2	17	Yes - results used from previous screening	2023-08-17	2023-08-17
	2	2023-08-02	1	13	Yes - results used from previous screening	2023-09-05	2023-09-07
		2023-09-18	0	17			
	30		0	0			
	114		0	0	Yes - results used from previous screening		
	61	2023-03-01	0	0	Yes - specifically for this initiation		
			0	4			
		2023-09-13					
160	7		1	11			
54	21		0	0	Yes - specifically for this initiation	2010-07-12	2011-05-09
92	34				Yes - results used from previous screening		
57	161	2023-09-25	0	1	Yes - specifically for this initiation	2023-09-25	
		2023-09-27					
		2023-09-29					
i9	1099	2023-09-27	0	8			
			2	23			
	28		1	20		2023-08-01	
19	49	2023-09-20	1	23			
			1	23			
	2		1	52			
	20	2023-09-26	1	21	Yes - specifically for this initiation		
)	0	2023-09-20	0	0			



## Dashboard

#### **IQICC** Dashboard





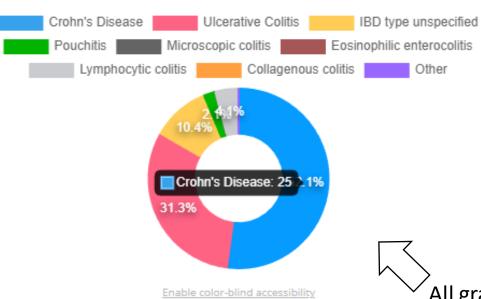
The IQICC Dashboard provides a **live** statistical and visual overview of key data items for your site.

Use the tabs to navigate.

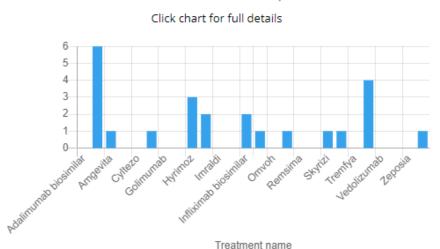
#### **IQICC** Dashboard



#### Most recent/ current diagnosis breakdown



#### Breakdown of therapies



All graphs are clickable to enlarge and hoverable with your cursor to view the actual value.



## Registry Data Submission

#### **WARNING: Export Permissions**



#### Identifiable personal data

- Data containing identifiable information such as NHS number, date of birth, names, require explicit user permissions for export out of REDCap.
- Only senior/ trained clinical users are given permissions by our administrators to export identifiable data out of REDCap (for example to submit to the IBD Registry)
- You must follow your local Trust's Information Governance requirements when exporting and downloading personally identifiable data onto NHS trust devices.

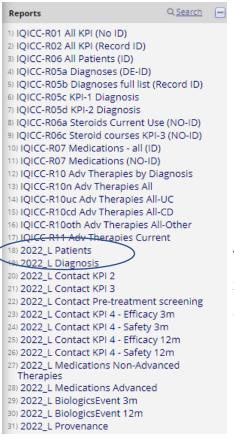
#### De-identification options (optional)

The options below allow you to limit the amount of senative information that you are exporting out of the project. Check all that apply. Given that you have 'Deldentified' or 'Remove All Identifier Fields' export rights for one or more data collection instruments, some fields may be automatically removed from the exported data based on your instrument-level Data Export Rights. Additionally, if you check any of the checkboxes for the settings below, that de-identification setting will be applied to all remaining fields in the resulting data

If you see this red text when exporting (during **step 3** in the next slide), then you are **NOT** able to export identifiable fields of data. The resulting export is **NOT** compatible with IBD Registry submission. For help with user roles and permission please email: support@ibdregistry.org.uk

# **Exporting files for IBD Registry submission**



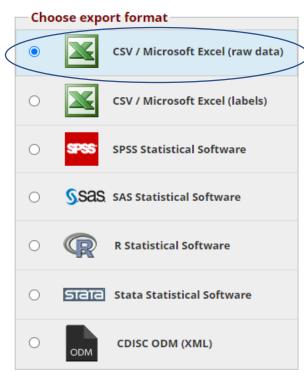


2) Press Export Data

Export Data Print Page

1) Select a 2022\_L report – this is a registry compliant submission report to be exported

■ Stats & Charts

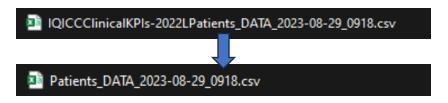


3) Select CSV (raw data) -> Press
Export



4) After successful export, click icon to download the csv file

5) Rename the file by deleting "IQICCClinicalKPIs-2022L" in the filename





# Any questions?

Contact the IBD Registry team support@ibdregistry.org.uk

#### **Version Control**



Date	Version Number	Description of Changes
25-10-2023	V01	Original Release