

EPIC at Princess Margaret's CCRU



Objective: Understand our Beacon flow, our Clinical Trial Data Structure and, the use of the EPIC Reporting Workbench for study-level data pulls.





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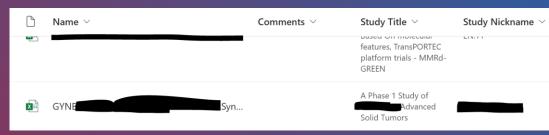
- Initial Study Beacon Workflow Extract
- **12** CCRU Clinical Trial Data Structure
- **13** Screening and Enrolment Reports
- **14** Study Adverse Event Report for Data Entry
- Main Consent Worksheet and Study-level Report



Initial Beacon Treatment Plan Build:

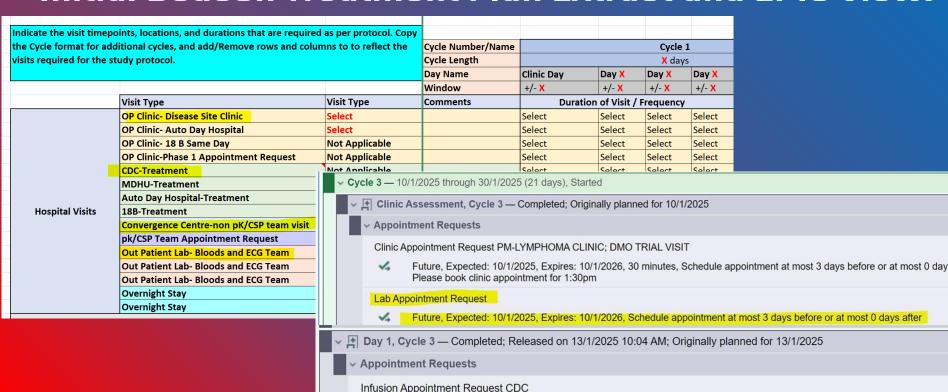
- 1. At start-up: Beacon extract is uploaded into SharePoint Beacon Channel sorted by disease site.
- 2. Research Nurse or Research Nurse Manager builds the on-study Schedule
- 3. Pharmacy builds the on-study Drug protocols with dosing and preparation communications.
- 4. Primary Data Coordinator sends reminders for Drug and Schedule builds to study team.
- Once Schedule and Drugs spreadsheets are complete, Primary Data Coordinator adds the study to a 'Request for Validation Meeting' list + status of Beacon extract in SharePoint is changed to 'Completed'.
- 6. Beacon Extract is routed to the PI for approval.
- 7. Beacon Builds into EPIC are triaged as 'just-in time' when there is a patient identified for protocol tx and SIV is scheduled. Validation Meeting with Beacon team and clinical team scheduled with Rsh

Nurse, Pharmacist and Investigator only.





Initial Beacon Treatment Plan Extract and EPIC View:

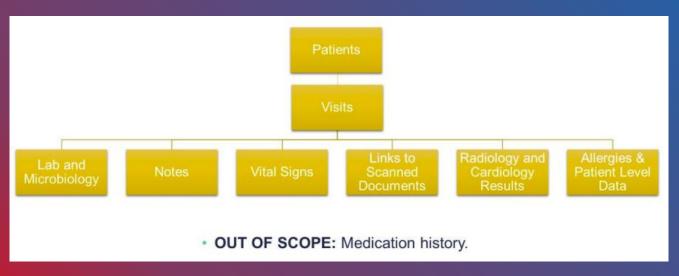


Future, Expected: 13/1/2025, Expires: 13/1/2026, 300 minutes, Schedule appointment at most 0 days before or at m



Clinical Trial EPIC Data Structure:

1. EPIC: All patient data from 01-Jan-2017 and onward will be available including:



2. EPR (Electronic Patient Record): Medication History prior to June 2022 and all clinical encounters occurring prior to 01-Jan-2017 will be found here as read-only.



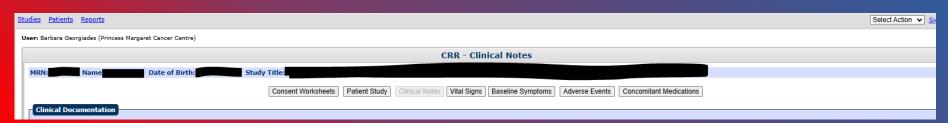
Clinical Trial EPIC Data Structure:

3. UHN Software: Clinical Research Record (Research Note, AEs & CONMEDs):

Overall golden rule:

If the patient has been enrolled prior to **04June2022** than all research source documentation (research notes, AEs, and CONMEDs) will be maintained in CRR.

If the patient is enrolled after **04Jun2022** will have their research source documentation maintained in EPIC.





Clinical Trial EPIC Data Structure:

4. Paper Research Charts

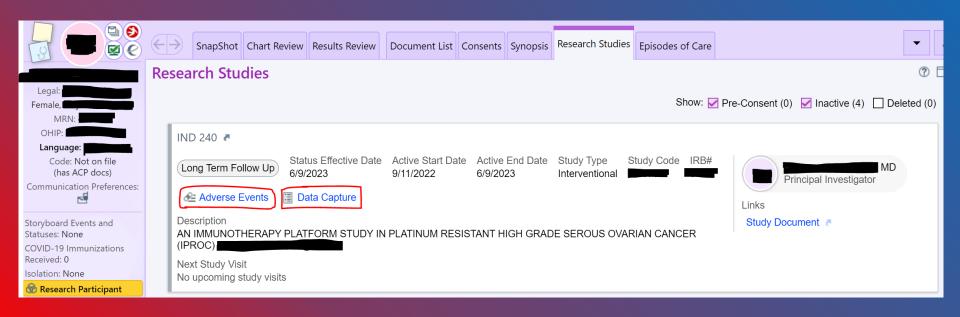
These are still maintained at our CCRU and contains:

- ✓ Wet-signed ICFs,
- Screening worksheet if required,
- Medication diaries,
- ✓ Completed QoLs,
- ✓ Queries
- ✓ Eligibility Checklists

- Source regarding methods of external beam radiotherapy used ie. SBRT, VMAT, IGRT
- Central Radiotherapy or Correlatives
 Testing reports ie. Biomarker screening
- ✓ Registration Confirmation
- Labs completed outside UHN printed from ConnectingOntario or from efaxes.



EPIC Research Record:





EPIC Research Record:

× Patient SnapShot			
☐ SnapShot ☐ Race and Ethnicity			
UHN RSH CONMED FORM - Venofer- Discontinued	Complete	31/05/2023 K	
UHN RSH CONMED FORM - Restoralax- Active	Complete	19/04/2023 K	
UHN RSH CONMED FORM - Hydromorphone- Discontinued	Complete	19/04/2023 K	
UHN RSH CONMED FORM - Metoclopramide- Active	Complete	19/04/2023 K	
UHN RSH CONMED FORM - Tylenol- Active	Complete	UHN RSH CONSENT WITHDRAWAL WORKSHEET UHN RSH CONSENT WITHDRAWAL In Progress	_
UHN RSH CONMED FORM - Prochlorperazine- Discontinued	Complete	WORKSHEET - Consent Withdrawal Worksheet	
UHN RSH CONMED FORM - Ferrous fumarate- Discontinued	Complete	UHN RSH MAIN CONSENT WORKSHEET	
Namado Sistemado		UHN RSH MAIN CONSENT WORKSHEET - Complete Study Information and Informed Consent Form Substudy A v. 19 Sep 2022	15/02/20
		UHN RSH MAIN CONSENT WORKSHEET - Complete Pre Screening Informed Consent Form v. 22 Jun 2022	09/11/2

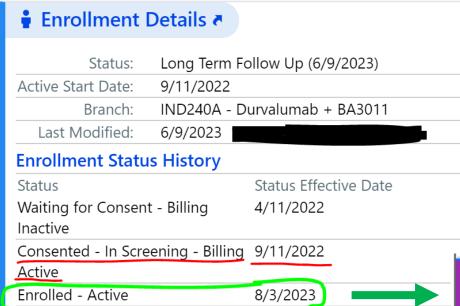


				4					
Patient -	Month (*	Year of ▼	Sex	¥	Participant ID 🔻	Study B	Consent Date	Registration Date	Enrollment Status 🗷
BA	July	1998	Male		1	Cohort 1 - 0	2024-03-07		Safety Follow Up
			Male		2	Cohort 1 - 0	2024-03-22		Safety Follow Up
			Male		3	Cohort 2 - I	2024-04-06		Safety Follow Up
			Male		4	Cohort 1 - 0	2024-04-21		Safety Follow Up
			Female		1	Cohort 1 - 0	2024-06-15		Safety Follow Up
			Male		2	Cohort 1 - 0	2024-06-30		Safety Follow Up
			Male		3	Cohort 1 - 0	2024-07-15		Long Term Follow Up
			Female		4	Cohort 2 - I	2024-07-30		Long Term Follow Up
			Female		5	Cohort 2 - I	2024-08-14		Safety Follow Up
			Female		6	Cohort 2 - I	2024-08-29		Safety Follow Up
			Female		7	Cohort 2 - I	2024-09-13		Safety Follow Up
			Male		8	Cohort 1 - 0	2024-09-28		Long Term Follow Up
			Male		9	Cohort 2 - I	2024-10-13		Safety Follow Up
			Male		10	Cohort 2 - I	2024-10-28		Safety Follow Up
			Male		11	Cohort 1 - 0	2024-11-12		Long Term Follow Up
			Female		12	Cohort 1 - 0	2024-11-27		Safety Follow Up
			Female		13	Cohort 1 - 0	2024-12-12		Long Term Follow Up
			Female		14	Cohort 2 - I	2024-12-27		Safety Follow Up



Long Term Follow Up

EPIC Screening and Enrolment Logs



6/9/2023

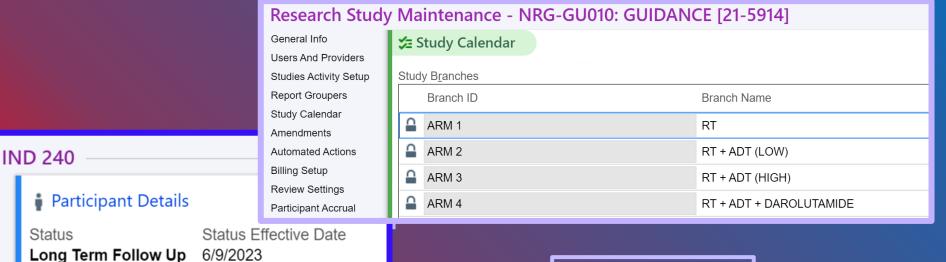
Date Accrued [95188]

Participant ID:

6/9/2023

Active End Date:





Active Start Date Active End Date
9/11/2022 6/9/2023

Participant ID Branch
IND240A - Durvalumab + BA3011

Reports are only as good as the data entered at the front-end.



EPIC Study Branch Restrictions

<u>P</u> rotocols			Open Selected Protocol 7
Protocol	Protocol Order	Restrict to Branch	
CT NRG-GU010 (GUIDANCE) (21-5914) ARM 2 AND 3 - RT + GOSERELIN OR LEUPROLIDE [1151010374]		RT + ADT (LOW)	
CT NRG-GU010 (GUIDANCE) (21-5914) ARM 2 AND 3 - RT + GOSERELIN OR LEUPROLIDE [1151010374]		RT + ADT (HIGH)	
CT NRG-GU010 (GUIDANCE) (21-5914) ARM 4 - RT + GOSERELIN OR LEUPROLIDE + DAROLUTAMIDE [11510103		RT + ADT + DAROLUTAMIDE	
٥			

Term Set UHN RSH CTCAE VERSION 5	
Medication Attributions	
Medication	Restrict to Branch
10) DAROLUTAMIDE 300 MG TABLET (UHN)	RT + ADT + DAROLUTAMIDE
	٥
Procedure Attributions	
Procedure	Restrict to Branch
UHN RSH RADIATION REPORTING	

Staff Uptake improved when this EPIC Feature was known!



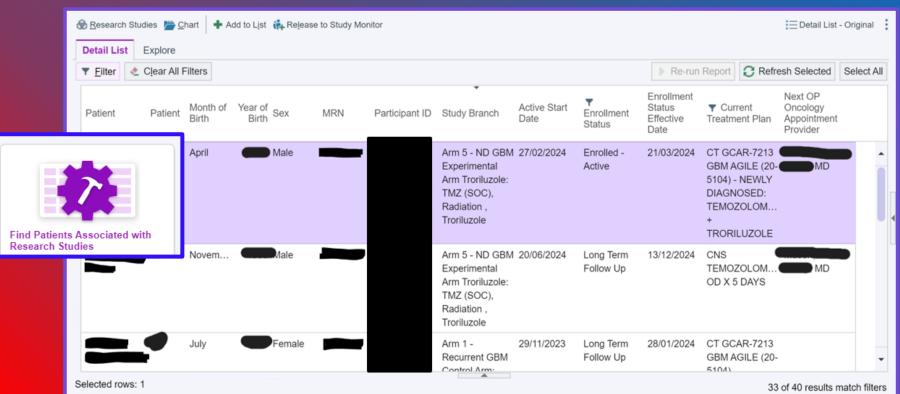
Data entry standardization for Patient Statuses is also a must for a rich, report-pullable data set.

Participant Details Status Status Effective Date Long Term Follow Up 6/9/2023 Active Start Date Active End Date 9/11/2022 6/9/2023 Participant ID Branch IND240A - Durvalumab + BA3011

Cancor	Climical	Research	Heait
Cancer	CHILICAL	Research	Unit

Type/Bucket	Epic Patient Status	Definition				
Inactive	Declined	The participant declined participation prior to signing consent				
Pre-Consent	Waiting for Consent - Billing inactive	The study team is waiting for the participant to sign the consent				
Active	Waiting for Consent - Billing active	The study team has verbal consent to book orders for the patient and billing is active. Patient is yet to sign a consent formally.				
Active	Consented - In Screening - Billing Active	The participant has been consented and billing is active; eligibility is being determined (to be used when study billable procedures may be ordered).				
Inactive	Consented - In Screening - Billing Inactive	The participant has been consented but billing is inactive; eligibility is being determined (to be used when no study billed procedures are required).				
Inactive	(patient neither accepted nor declined)	The patient was deemed ineligible before signing a consent.				
Inactive	Ineligible (post-consent)	The participant has consented, but was never enrolled.				
Active Enrolled - Active		The participant has been enrolled and is currently involved in some sort of study intervention/treatment				
Inactive	Withdrawn	Full consent withdrawal from all study activities; no further contact with the patient				







Screening and Enrollment Report Column Guide

Required Columns

Time Since Status Change

Current Oncology Treatment Plan

UHN ONCBCN DISPLAY ONCOLOGY TREATMENT 1

AND 2 EPISODE COLUMN (use if pt has multiple active txs ex. Apheresis and chemotherapy)

Column Name	Column I	ID					
Patient Name	1004						
IMG Patient Initials	52505	*If highlighted in green, these stay in	your screening and enroll	ment log when exported to excel. This			
Patient Month of Birth	4017	can be filed in regulatory binders.					
Patient Year of Birth (EPT)	2296						
Patient DOB	54500	**Only column to manually input is the 'enrollment/registration date' for patients.					
Patient Sex	54501	*** date of consent = date screened as well to satisfy required institutional enrollment log standar					
Patient MRN	1003	gate of consent - date screened	as well to satisfy required	mistrational emonitorities standards.			
Participant ID	95000	Columns to-add for additional use-ca	ses				
Research: Patient Study Branch	95076	Column Name	Calama ID	Addistant Use Con-			
Active Start Date (Date of CONSENT)***	95008	Column Name	Column ID	Additional Use-Case			
Active End Date (Status = 'Completed')	95009	CE Status	72500	If a patient has an important medical			
Enrollment Status	95003			event at an external hospital with			
Enrollment Status Effective Date	95184						

95185

101194

11502074



Patient -	Month (*	Year of 🔻	Sex	¥	Participant ID	Ŧ	Study B	Consent Date	Registration Date	Enrollment Status	"Y
BA	July	1998	Male			1	Cohort 1 - (2024-03-07		Safety Follow Up	
			Male			2	Cohort 1 - (2024-03-22		Safety Follow Up	
			Male			3	Cohort 2 - I	2024-04-06		Safety Follow Up	
			Male			4	Cohort 1 - (2024-04-21		Safety Follow Up	
			Female			1	Cohort 1 - (2024-06-15		Safety Follow Up	
			Male			2	Cohort 1 - 0	2024-06-30		Safety Follow Up	
			Male			3	Cohort 1 - (2024-07-15		Long Term Follow U	р
			Female			4	Cohort 2 - I	2024-07-30		Long Term Follow U	р
			Female			5	Cohort 2 - I	2024-08-14		Safety Follow Up	
			Female			6	Cohort 2 - I	2024-08-29		Safety Follow Up	
			Female			7	Cohort 2 - I	2024-09-13		Safety Follow Up	
			Male			8	Cohort 1 - (2024-09-28		Long Term Follow U	р
			Male			9	Cohort 2 - I	2024-10-13		Safety Follow Up	
			Male		1	LO	Cohort 2 - I	2024-10-28		Safety Follow Up	
			Male		1	11	Cohort 1 - (2024-11-12		Long Term Follow U	р
			Female		1	12	Cohort 1 - (2024-11-27		Safety Follow Up	
			Female		1	L3	Cohort 1 - (2024-12-12		Long Term Follow U	р
			Female		1	۱4	Cohort 2 - I	2024-12-27		Safety Follow Up	

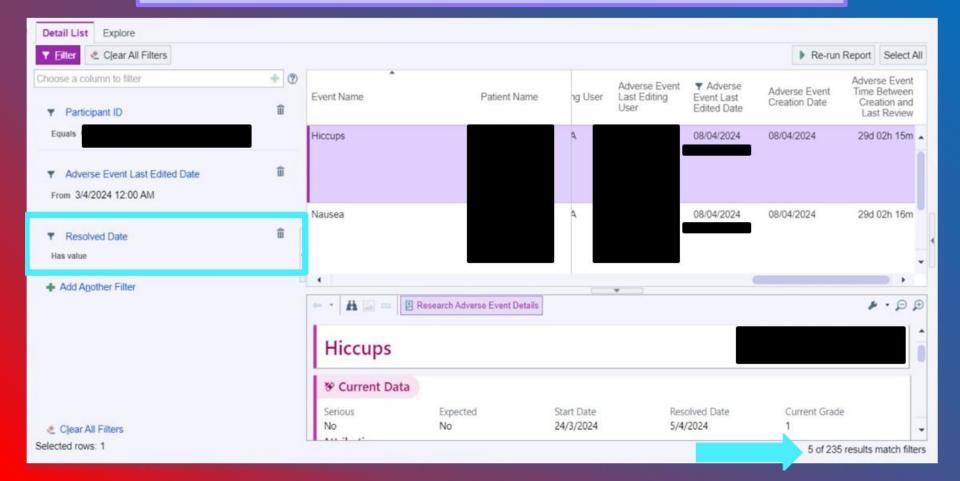


CRF Completion with AE Reports – patient AEs since last study visit:



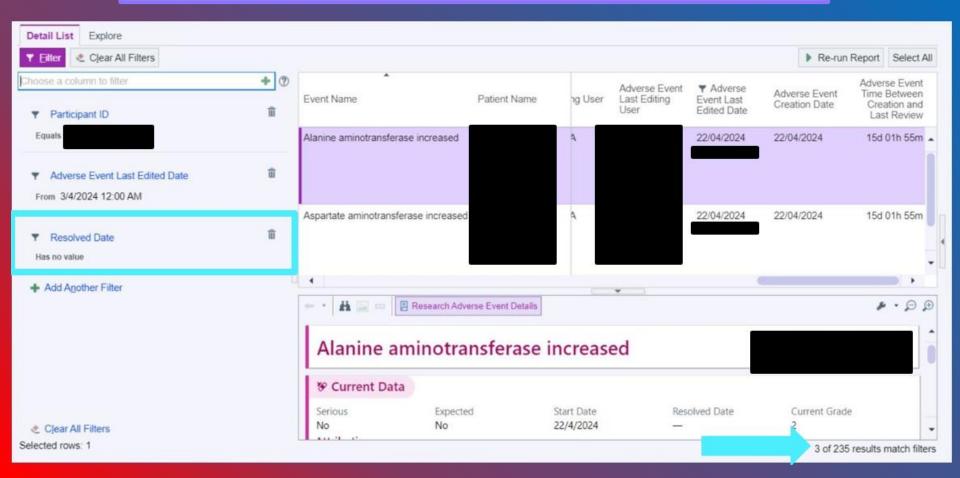


Filter for **Resolved** AEs



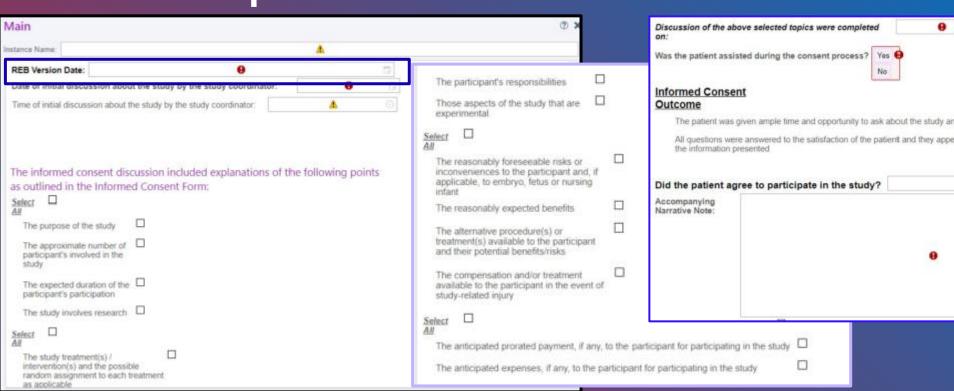


Filter for **Unresolved** AEs





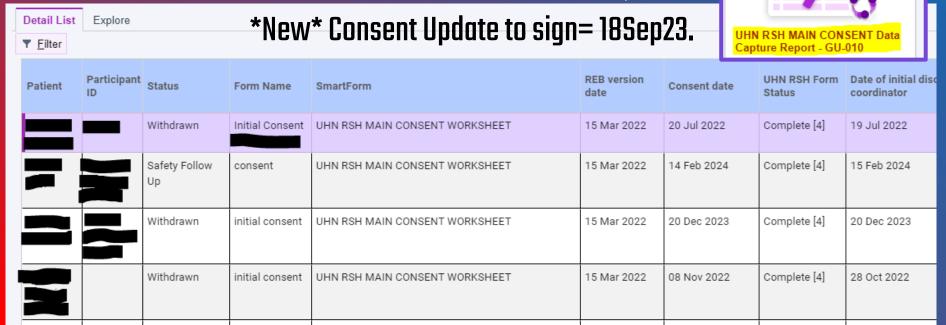
EPIC Data Capture Form - Main Consent Worksheet





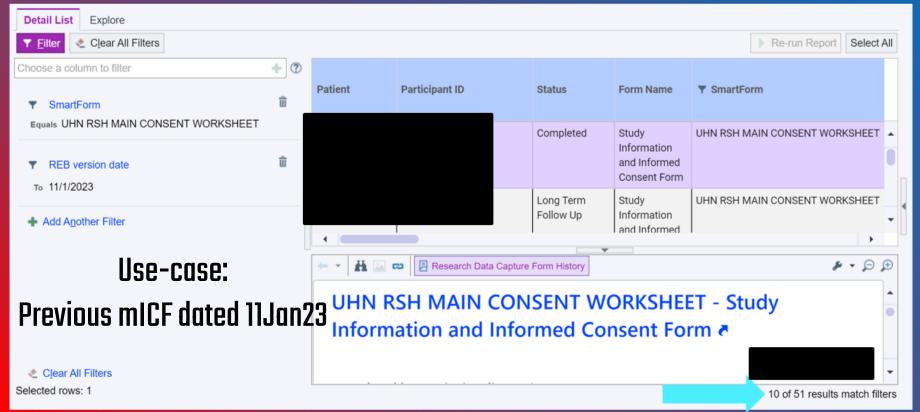
Main Consent Worksheet Report can Flag Patients Needing Re-Consent

Use-case: Previous mICF dated 11Jan23;



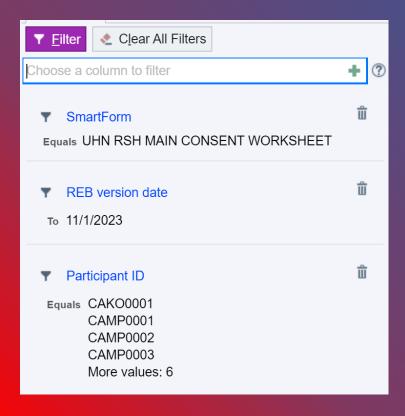


Main Consent Worksheet Report can Flag Patients Needing Re-Consent





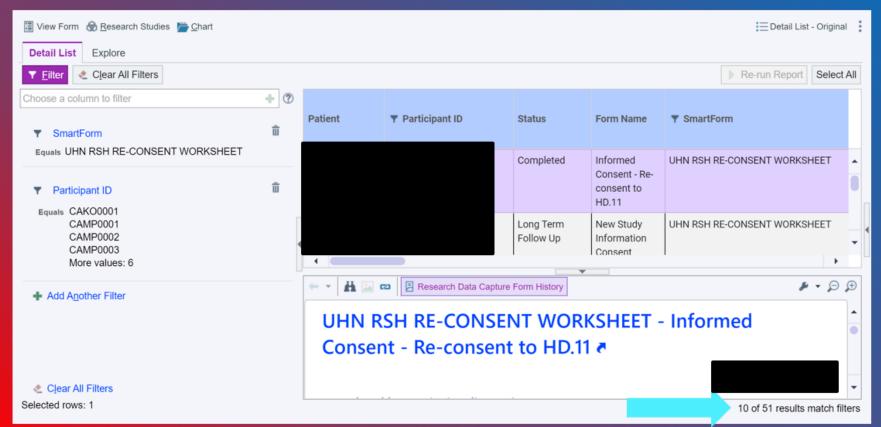
QC-ing Re-Consent Worksheets: Report Filter Combo



SmartForm				+	?
✓ UHN RSH RE	E-CONSENT	WORK	SHEET		•
Contains:					
From:					
То:					
Value?	Has Value	Has N	o Value		
	✓ <u>A</u>	<u>\</u> ccept	× Can	ncel	
▼ Participant ID				ŵ	
Equals CAKO0001 CAMP0001 CAMP0002 CAMP0003 More values:	6				•

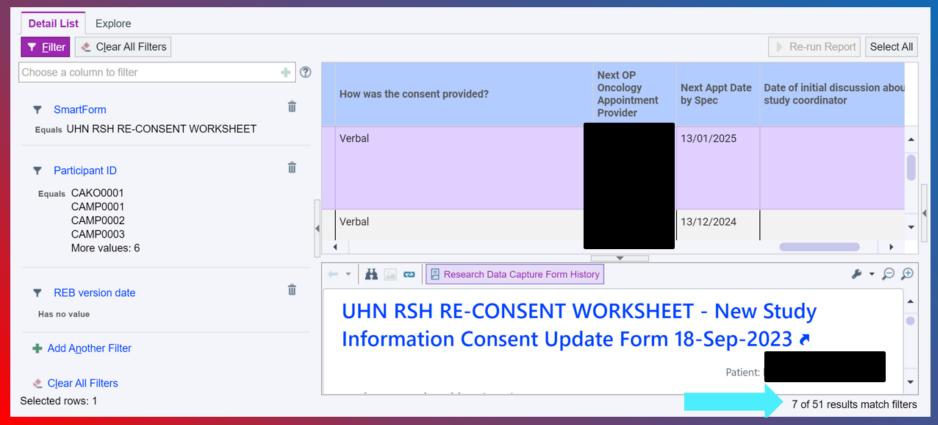


QC-ing Re-Consent Worksheets





QC-ing Re-Consent Worksheets





Other Cool Research Reports: Past and Current RSH Treatment Plans

Detail List	Explore								
▼ <u>F</u> ilter	Clear All I	Filters							
▼ Linked Pa	articipant	Plan Name	Plan Start Date Plan End Date	Plan Discontinued On	D/C Reason	Plan Status	Next Treatment Next Treatment Day	Treatment Goal	Active Problems
		CT HD.11 (22-5318) GDP	26/02/2024 08/06/2024	11/10/2024 04:04 PM EDT	Therapy Complete	Inactive		Curative	Lymphoma
		CT HD.11 (22-5318) Brentuximab + Pembrolizumab			Other (see comment)	Inactive		Curative	Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318) GDP			Toxicity/Com	Inactive	02/11/23 Clinic Assessment, Cycle 2	Curative	Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318) GDP			Other (see comment)	Inactive	29/01/24 Day 8, Cycle 3	Curative	Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318) GDP			Progressive Disease	Inactive	16/08/23 Clinic Assessment, Cycle 4	Curative	Hodgkin lymphomi
		CT HD.11 (22-5318) Brentuximab + Pembrolizumab			Other (see comment)	Inactive	13/10/23 Day 1, Cycle 3	Curative	Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318) Brentuximab + Pembrolizumab			Therapy Complete	Inactive		Curative	Hodgkin's lymphor UNSTAGED
		CT HD.11 (22-5318) Brentuximab + Pembrolizumab			Therapy Complete	Inactive	30/04/24 Day 1, Cycle 4	Curative	Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318) Brentuximab + Pembrolizumab			Therapy Complete	Inactive		Curative	Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318) GDP			Progression	Inactive	17/07/23 Clinic Assessment, Cycle 4	Curative	Lymphoma Hodgkin lymphoma UNSTAGED
		CT HD.11 (22-5318)			Therapy	Inactive		Curative	Hodakin lymphoma



Other Cool Research Reports: Admission Reports for Rsh patients

Admission Date	Patient Class	▼ Admit Status	Discharge Date	Department	Point of Origin	LoS	Confirmation Status	Admission Type	Diagnosis	Acuity
18/06/2024	Inpatient	Discharged	26/06/2024		Hospital (non-UHN)	8	Confirmed	Urgent/Eme	Hodgkin lymphoma	
05/06/2024	Inpatient	Discharged	16/06/2024		Home	11	Confirmed	Scheduled/	Hodgkin lymphoma	
24/03/2024	Emergency	Discharged	24/03/2024		Home	1	Confirmed	Urgent/Eme		3
03/01/2025	Emergency	Admission			Home	1	Confirmed	Urgent/Eme		2
28/12/2024	Inpatient	Discharged	31/12/2024		CritiCall	3	Confirmed	Urgent/Eme	Hodgkin lymphoma	
19/06/2024	Inpatient	Discharged	07/07/2024		Home	18	Confirmed	Scheduled/	Lymphoma	
08/05/2024	Inpatient	Discharged	17/05/2024		Other	9	Confirmed	Urgent/Eme	Bacteremia	2
22/09/2024	Inpatient	Discharged	29/09/2024		Home	7	Confirmed	Urgent/Eme	Non Hodgkin's lymphoma	
24/01/2024	Inpatient	Discharged	09/02/2024		Home	16	Confirmed	Scheduled/	Hodgkin lymphoma	
23/02/2024	Inpatient	Discharged	09/03/2024		Home	15	Confirmed	Scheduled/	Hodgkin lymphoma	
01/06/2024	Inpatient	Discharged	05/06/2024		Home	4	Confirmed	Scheduled/	Fever	

CTSU EPIC Research Report Education:



Offered CCRU-wide Education sessions for 5 Reports:

- 1. The Screening and Enrollment Report (Report Level: Introductory)
- 2. The Appointments Report (Report Level: Intermediate)
- 3. The Adverse Events Report (Report Level: Intermediate)
- 4. The Data Capture Form: CONMED Report (Report Level: Advanced)
- 5. The Data Capture Form: Consenting Worksheets Report (Report Level: Advanced)
- 1 hour lecture style with demos in EPIC PLY. Report Creation and3 Use-Cases are covered.

CTSU EPIC Research Report Education:



Offered 4 In-person EPIC Labs within the CTSU:

- 1. Creating your Study's Screening and Enrollment Report
- 2. Use-Case: Using your S+E Report for Annual Renewals and exporting for ISF
- 3. Creating your Adverse Event Report and Use-case for AE CRF Completion of 3 patient visits.
- 4. EPIC Study Maintenance: setting Study Branches and Branch Restrictions at Study Start-Up
- 1 hour in-person and electronic session.
- 30 minute lesson then, 30 minute 'click-around time' with staff

CTSU EPIC Research Report Education:



Guidance Documents for each Report:

- 1. Standardized Column Guides
- 2. Use-Case Timelines
- 3. Quick-grab Use-Case Demo Videos in Shared Folder

Screening and E	nrollment Report Use-	Case Timelines
Report Use-Case	Clinical Trial Type	Timeline
Routinely Running the Study's Screening and	Actively accruing trials	Weekly report runs to have an up-to-date
Enrollment Report.		snapshot of upcoming patient enrollments.
Filter Enrollment statuses for: -Consented, -Ineligible, -Interested, -Identified, -Declined, -Disqualified and, -Waiting for Consent		
Exporting a current screening and	Monitored or audited	In preparation for the MV to file in your
enrollment report from EPIC to your	studies	ISF.
computer		
Quality Control: checking all study patients	Actively accruing trials	Every 3 months for new accruals.
are tagged to a study branch	Closed to accrual trials	One time for patients maintained in EPIC.
-Not required for single arm trials -Required for blinded trials	(not applicable to patients enrolled before 04Jun22 and documentation is <u>still</u> <u>maintained in CRR</u>).	

Research Adverse Event Report Column Guide

Required Column

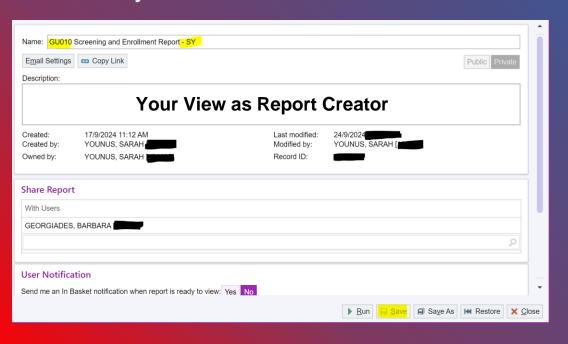
Column Name	Column ID
Adverse Event Name	95014
Participant ID	95000
Patient Name (EPT)	85
Patient MRN	1003
Problem Status	95075
Serious Adverse Event	95015
Adverse Event Current Grade	95058
Adverse Event Current Grade Start Date	95057
Adverse Event Grade History	95056
Adverse Event Grade Start History	95055
Problem Resolved Date	95048
Adverse Event Attributions	95097
Adverse Event Comments	95096
Adverse Event Expected	95020
Adverse Event Last Edited Date	112092

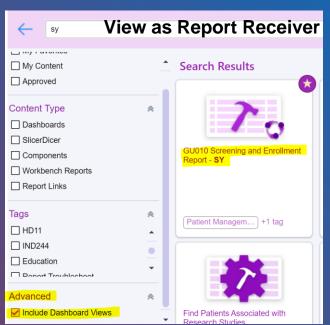
CTSU EPIC Research Report Sharing for Staff:



Transferring a Report Template to your team is possible through 'Share Report':

1. Already Includes Standard Columns

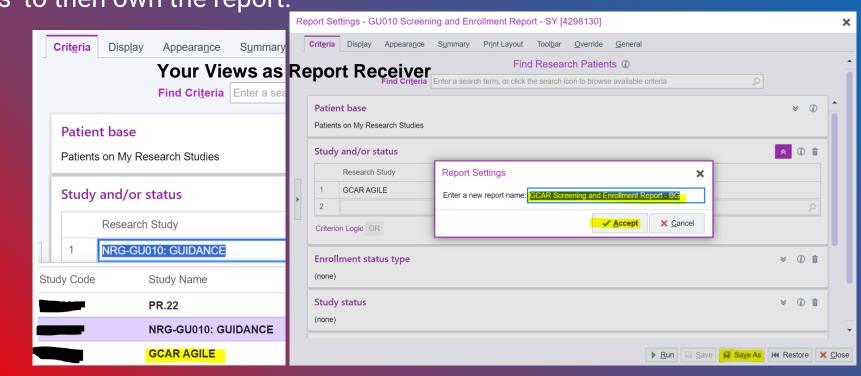




CTSU EPIC Research Report Sharing for Staff:



Transferring a Report Template to your team is possible through 'Share Report': 2. Team Member needs to switch Research study Criteria to their study and 'Save As' to then own the report.



CTSU EPIC Research Report Sharing for Staff:



Name: GU0	10 Screening and Enr	rollment Report - SY						
E <u>m</u> ail Settings						ORIGINAL	Publ	
Description:								
Created: Created by:	17/9/2024 - YOUNUS, SAF				nodified: ed by:	PM YOUNUS, SARAH	,	
Owned by:	YOUNUS, SAF	RAH (Marie)		Recor	d ID:			
t <u>e</u> ria Disp <u>l</u> ay	Appeara <u>n</u> ce S <u>u</u>	ummary Pr <u>i</u> nt Layou	ıt Tool <u>b</u> ar	<u>O</u> verride	<u>G</u> eneral			
lame: GCAR Sc	reening and Enrollme	nt Report - BG						
E <u>m</u> ail Settings					NEW!	Public Priv	vate	
escription:								
created: 27/1/2025 Created by: GEORGIADES, BA				Last modified by		/1/2025 EORGIADES, BARBARA [
wned by:	GEORGIADES, BAR	RBARA		Record ID:				



Thank You!

Do you have any questions? Email us!

Content built and designed by: Barbara.Georgiades@uhn.ca Sarah.Sammut@uhn.ca

A huge thank-you to:
<u>Liesa.Baumann@uhn.ca</u>
Clinical Trials Support Unit in the CCRU