

Reports and Tools to Support Quality Data

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What defines quality?

- NCTN Grant Submission required data on
- Timeliness
 - Were the required data forms submitted?
 - Were the required data forms submitted on time?
- Accuracy
 - We don't compare submitted data to source documents (other than audited and monitored charts) so...
 - Is the submitted data free of queries?

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How does SWOG facilitate data submission?

- **Expectation System:** Created to identify the submission requirements for forms, reports, specimens, patient completed forms
- Expectation = Anything that is "expected" to be submitted to the Statistical Center
- Protocol-specific data requirements
- May be posted conditionally based on treatment arm, stratification factor, form disease status, consent answers, etc.



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When are expectations posted?

1. At the time the patient is registered
2. During protocol treatment and follow-up



At patient registration

- Baseline requirements (Initial Forms Set)
 - Forms (e.g. On-study, Baseline abnormalities, Baseline tumor assessment)
 - Pathology/Operative reports
 - Specimens
 - Other study-specific items (e.g. Quality of Life questionnaires, imaging)
- Defined time point post registration (e.g. Week 4)
 - Quality of Life questionnaires, other study-specific forms
 - Specimens
- Appear on the Confirmation of Registration



Confirmation of Registration

Expectations for this registration

BASESCAN - Baseline Radiology Report - Show no upper tract malign - Posted: 04/05/2019 - Due: 04/05/2019
 BASEAB - Baseline Abnormalities form - Posted: 04/05/2019 - Due: 04/12/2019
 CYSTOREP - Cystoscopy Report - Baseline - Posted: 04/05/2019 - Due: 04/12/2019
 CYTOLREP - Cytology Report - Baseline - Posted: 04/05/2019 - Due: 04/12/2019
 ECOG - ECOG report - Baseline ECOG report - Posted: 04/05/2019 - Due: 04/12/2019
 ELIGFORM - Eligibility Verification form - S1608 Elig Criteria form - Posted: 04/05/2019 - Due: 04/12/2019
 ONSTUDY - Onstudy form - S1605 Onstudy form - Posted: 04/05/2019 - Due: 04/12/2019
 SCAPPRVL - Study Chair Approval - Pre-reg Study Chair Approval form - Posted: 04/05/2019 - Due: 04/12/2019
 SXOPR - Pre-reg Operative Report - -- Posted: 04/05/2019 - Due: 04/12/2019
 SXPATHQ - Pre-reg Pathology Report - -- Posted: 04/05/2019 - Due: 04/12/2019
 BLCCDB - Blood submission - 9 ml WB in Na-Citrate tube - Posted: 04/05/2019 - Due: 05/03/2019
 TISSUB - Tissue Submission - Four (4mcM) scrolls - Posted: 04/05/2019 - Due: 05/03/2019
 TISSUB1 - Tissue Submission - Eleven (10mcM) scrolls - Posted: 04/05/2019 - Due: 05/03/2019
 TISSUB2 - Tissue Submission - Five (5mcM) unstained slides - Posted: 04/05/2019 - Due: 05/03/2019
 URINE - Urine submission - Cycle1, Day1 - Posted: 04/05/2019 - Due: 05/03/2019
 PATHSUB - Submission of path material(s) - Baseline: 3 H and E slides - Posted: 04/05/2019 - Due: 04/05/2019

Baseline forms
and specimens

CYTOL1 - Urine Cytology Slide - Week 13 - Posted: 04/05/2019 - Due: 08/09/2019
 DISASS1 - Disease Assessment Form - Week 13 - Posted: 04/05/2019 - Due: 08/09/2019
 CYTOL2 - Urine Cytology Slide - Week 25 - Posted: 04/05/2019 - Due: 11/01/2019
 DISASS2 - Disease Assessment Form - Week 25 - Posted: 04/05/2019 - Due: 11/01/2019
 REQBIOP - Required Biopsy - Week 25 - Posted: 04/05/2019 - Due: 11/01/2019
 DISASS3 - Disease Assessment Form - Week 37 - Posted: 04/05/2019 - Due: 01/24/2020
 DISASS4 - Disease Assessment Form - Week 49 - Posted: 04/05/2019 - Due: 04/17/2020

Post-Baseline forms
and specimens



During protocol treatment and follow-up

- Dynamic, time-period specific
- Looks at next form due based on treatment schedule
 - "Period beginning" is determined from patient's previous visit
- Submission schedule based on data stored in the SWOG database regarding expected patient assessment times
- Forms for most treatment studies include
 - Adverse event, treatment, follow-up tumor assessment
- Newer forms and specimens are now being added
 - e.g., S1802 prostate study with cycle-specific PSA, testosterone forms, S1614 cycle-specific lab values

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Follow-up expectations

- Follow-up time
 - Calculated as days between the day the report is run and the patient's last contact date (date last known to be alive)
- Last contact date
 - Studies prior to 2019 - updated from any one of a number of forms: treatment, adverse event, follow-up tumor assessment forms or SWOG Follow-Up Form
- **New! Vital Status Update form**
 - First introduced in 2 GU studies, S1802 and S1806
 - Wave of the future – now on all studies going forward

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Vital Status Form

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VITAL STATUS FORM

Patient Identifier Study Identifier Registration Step

Patient Initials (L, F, M)

Instructions: Please complete this form when contact is made with the patient for any reason. **This form should be submitted prior to any other data entry related to that visit.** Date is in DD MON YYYY format.

Vital Status (If dead, please submit Notice of Death) ☐ Alive ☐ Dead

Date of last contact (If dead, please enter date of death)

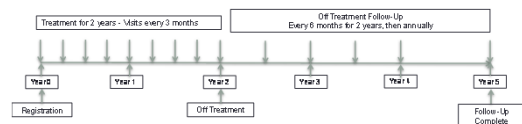
Comments

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Follow-up expectations

- Frequency and length of follow-up is protocol specific
 - Expected while patient is receiving treatment and after off-treatment



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Purpose of Long-Term Follow-up

- Continued medical surveillance
- Treatment toxicity resolution
- Meaningful end-results reporting
- Accurate survival data
- Reporting of long-term adverse events and treatment related malignancies



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Specimen Expectations

- Specimens can be for determining eligibility, translational medicine studies, future use (banking)
 - Some specimens can be opted out of by the participant per the Informed Consent and recorded during the registration process; expectations for patients who opt out will not be posted
- Baseline specimens are part of the Initial Forms Set
- Post-baseline specimens
 - Increasingly, specimens are required per protocol
 - If a post-baseline specimen expectation is posted for a patient who did not consent to specimen collection, notify the SDMC → we'll fix it!

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Due dates

- New guidelines from CTSU = 15/15/30 for Baseline/On treatment/Off treatment data
 - Baseline data – due within 15 days of registration
 - On treatment data – due within 15 days of visit/event
 - Off treatment data – due within 30 days of visit/event
- **Always check Section 14 for data submission timelines as older studies will be different**
- Specimens (baseline and post-baseline) – Per Section 15. Typically...
 - Blood products, urine – due within 15 days
 - Tissue – due within 28 days of...but check protocol for actual time frame

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SWOG Reports for Quality

- Expectation Report
- Institution Performance Review (IPR) Report
- Query Report
- Ineligible Patients Report
- SWOG Patients in Follow-Up

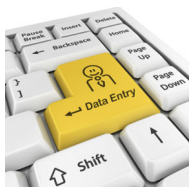


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Data: Modes of Entry

- Pre-Rave: Data entered via the CRA Workbench and are applied to the SWOG database immediately
- Rave: Data are applied to the SWOG database overnight and appear on reports the next day



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How do I access the reports?

- Navigate to the SWOG CRA Workbench
- "Reports" link on the left site, mid-way down



Expectation Report: 2 Versions

- Monthly Reports
 - Static report generated at the beginning of the month
- Current Reports
 - Dynamic report that reflects up-to-the-minute database status
- Both
 - Downloadable to Excel
 - Identify overdue expectations which affect IPR statistics with a code as to which category it belongs

[illegible]

Filter Criteria

Show only patient # Show only study # Show only investigator # Disease Type

Show only registrations after Show only items due ☐ Before ☐ After IPR

*Within upcoming 90 days only

Export Report Data to Excel

Management Information System - User from NCSP (2016)										Export to Excel (2016)	
First Name	Last Name	Job Title	Department	Location	Start Date	End Date	Status	Expiration Date	Qualifier	Days Between	YTD
206179	A.A.	SR001	Assistant		02/03/2016	02/03/2016	A	04/06/2016	Advance Event Form/Health/26		
206179	A.A.	SR001	Assistant		02/03/2016	02/03/2016	A	04/06/2016	Advance Event Form/Health/26		
273502	A.A.	SR001	Assistant		12/18/2017	06/06/2018	A	02/14/2018	Advance Event Form/Health/26	23	
273502	A.A.	SR001	Assistant		12/18/2017	06/06/2018	A	02/14/2018	Advance Event Form/Health/26	23	
273502	A.A.	SR001	Assistant		12/18/2017	06/06/2018	A	02/14/2018	Advance Event Form/Health/26	23	
205996	A.A.	SR001	State		02/03/2017	02/03/2017	A	06/03/2017	Advance Event Form/Health/26	24	
205996	A.A.	SR001	State		02/03/2017	02/03/2017	A	06/03/2017	Advance Event Form/Health/26	24	
205996	A.A.	SR001	State		02/03/2017	02/03/2017	A	06/03/2017	Advance Event Form/Health/26	24	

Data Management Institution: Kaiser Perm NCORP (CA154)
Follow-up Institution: Kaiser Perm NCORP (CA154)

Ref#	Initials	Study#	Investigator	Registration	Last Contact Date	Status	Expectation/Question
273776	B.M	S1302	Houch	02/26/2018	12/4/2018	A	02/12/2019 Blood sample/Whole blood for cDNA, C1305
269486	B.M	S1302	Li	09/15/2017	12/06/2018	A	02/19/2019 Adverse Events Form/Period beginning 12/06/2018
							Treatment Form/Period beginning 12/06/2018
273522	K.S	S1301	Jiang	02/18/2019	02/19/2019	A	02/25/2019 Baseline Tumor Assessment/RECIST 1.1
							CT or MRI Report/Radiology reports E130
							Document of BSAF status/baseline
							Follow up Disease Assessment Form/Period beginning 02/19/2019
258504	D.P	S1302	Lopez	01/13/2016	10/02/2018	A	04/02/2019 Follow-up
267463	H.B	S1302	Kangula	07/26/2017	08/06/2018	A	02/28/2019 Follow-up

Expectation Report – Dynamic Expectations

Data Management Institutions: Kaiser Form NCDRP (CA154)
Follow-up Institution: Kaiser Form NCDRP (CA154)

Patno	Initials	Study	Investigator	RegDate	Last Contact Date	Status	Due Date	Expectation Qualifier
273774	B,BA	S1300-2	Heath	11/06/2018	02/14/2019	A	02/12/2019	Blood submission/Whole blood for uDNA, C3015
268468	B,DB	S1300-2	Lin	09/15/2017	12/06/2018	A	02/19/2019	Adverse Events Form/Period beginning 12/06/2018
							02/19/2019	Treatment Form/Period beginning 12/06/2018
275522	C,EK	S1300-1	Jiang	02/18/2019	02/18/2019	A	02/25/2019	Baseline tumor assessment/RECIST 1.1
							02/25/2019	CT or MRI Report/Radiology reports ELIG
							02/25/2019	Document of BRAF status/baseline
							02/25/2019	Follow-up Disease Assessment Form/Period beginning 02/18/2019
258504	D,JP	S1300-2	Lopez	01/13/2016	10/02/2018	A	04/02/2019	Follow-up
267653	H,BT	S1300-2	Kingla	07/26/2017	08/28/2018	A	02/28/2019	Follow-up
261819	L,HI	S1300-2	Yeh	08/04/2016	08/02/2018	A	02/02/2019	Follow-up

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Expectation Report – Follow-Up Expectations

Data Management Institutions: Kaiser Form NCDRP (CA154)
Follow-up Institution: Kaiser Form NCDRP (CA154)

Patno	Initials	Study	Investigator	RegDate	Last Contact Date	Status	Due Date	Expectation Qualifier
270417	A,AA	S1416-1	Wang	12/19/2017	09/28/2018	A	03/28/2019	Follow-up
269297	B,CJ	S1207-1	Owning	09/20/2017	10/18/2018	A	04/18/2019	Follow-up
270992	B,DM	S1207-1	See	02/02/2018	02/04/2019	A	02/22/2019	Endocrine and Concomitant Therapies Form/Weeks 49-54
705201	B,DY	S1418-2	Lin	03/14/2018	10/15/2018	A	04/15/2019	Follow-up
							04/17/2019	Blood submission/PB at Week55 for BAHD
							04/17/2019	Blood submission/WB at Week 55-green top tube
							04/17/2019	Blood submission/WB at Week 55-red top tube
703676	B,FR	S1418-2	Duong	08/23/2018	02/20/2019	A	04/02/2019	Treatment Form/Period beginning 02/20/2019
							04/04/2019	Adverse Events Form/Period beginning 02/22/2019
252240	B,M	S1007-2	Im	10/23/2014	10/10/2018	A	04/10/2019	Follow-up

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Specimen Expectations – Example

EXPECTATIONS

Filter Criteria

Show only patient # [703008]

Show only study # [S1418]

Show only investigator # []

Disease Type [ALL]

Show only registrations after [mm/dd/yyyy]

Show only items due* [] Before [] After [mm/dd/yyyy]

IPR [ALL]

Apply

Reset

Export Report Data to Excel

3/21/2019 9:53:53 AM

Data Management Institutions: Kaiser Form NCDRP (CA154)
Follow-up Institution: Kaiser Form NCDRP (CA154)

Patno	Initials	Study	Investigator	RegDate	Last Contact Date	Status	Due Date	Expectation Qualifier	Days Overdue	IPR
703008	C,M	S1418-2	Birhan	11/15/2018	01/29/2019	A	02/13/2019	RT breast Form/Breast Radiation Therapy Form	36	
							04/19/2019	Blood submission/Green top tube, recurrence		
							04/19/2019	Blood submission/Red top tube, recurrence		
							04/19/2019	Tissue Submission/Form recurrence/progression		

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Specimen Tracking – Choose Specimen

Study Number: 01418

Registration Step	Relapse/Recurrence	Specimen or Material Type	Material Requirements	Lab	
1	Relapse/recurrence	Tissue from distant site	Paraffin-embedded core biopsies	Only option	201 - SWOG Specimen Repository Columbus, OH
2	Relapse/recurrence	Blood	Whole Blood Red top tube, 5 ml whole blood	Only option	202 - SWOG Specimen Repository Columbus, OH
2	Relapse/recurrence	Blood	Whole Blood Green top tube, 5 ml whole blood	Only option	201 - SWOG Specimen Repository Columbus, OH

Specimen Expectations

- If a specimen cannot be collected
 - "Notify that Specimen Cannot be Submitted" function on Specimen Tracking Resolves the expectation

SWOG Specimen Tracking Website

Welcome to the SWOG Specimen Tracking Website

You are logged in as a user for SWOG - University of Kansas Cancer Center

Important Announcements:

- Specimen Tracking Updates:** A number of updates have been made to Specimen Tracking with the goal of improving the workflow of this tool. The changes made to the "Notify that Specimen Cannot be Submitted" function include: 1) A new tool on the left of the page which can track the specimen relative to your needs (2) the addition of the site and date to the log and (3) the addition of a column "Specimen Expectation" indicating if the specimen type in the log is pending or already submitted. Changes to "Specimen Manager" include the addition of the specimen which could not be submitted with a checkbox filter tool.
- Training module with changes:** for using the Specimen Tracking System.
- Website Feedback:** for using the Specimen Tracking System (right).

Institution Performance Review (IPR)

- Statistics used to monitor and measure an institution's compliance with data submission requirements
 - Are required forms being submitted?
- SWOG Policy #33: Compliance guidelines
 - Updated in October 2017
- The IPR report is run monthly and contains the compliance rates (percentages) for each category



Tracking Compliance: IPR Report

- Four categories
 - Initial Forms Set (baseline data)
 - Post-baseline forms submission
 - Vital status updates
 - Specimen submission
- Overdue items contributing to the IPR categories are identified on the Expectation Report
 - IFS, IFS13, FORM, FUP, FORM/FUP, SPEC, SPEC13
 - Definitions on "Expectation and IPR Reports" page
- Posted on the SWOG CRA Workbench and mailed to the PI and Head CRA of the LAPS/Member/NCORP



Initial Forms Set (IFS) Compliance Level

- Expectations "associated with" patient registration
- Registrations within the last 13 months: Patient has any IFS expectation more than **30 days** overdue
 - Out of compliance: If **>10%** of patient **REGISTRATIONS** are overdue
- Registrations greater than 13 months ago: Patient has any unresolved IFS expectation
 - Out of compliance: If **any** patient **REGISTRATION** in this category



Post Baseline Forms Compliance Level

- Any post-baseline expectation (except specimens) that are more than **60 days** overdue
- Denominator is all forms due within the last 13 months + any overdue forms from
 - Out of compliance if **>5%** of **FORMS** are overdue



Vital Status Update Compliance Level

- Update to patient's last contact date is more than **60 days** overdue
 - Out of compliance if **>15%** of **PATIENTS** being followed are overdue

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Specimen Submission Compliance Level

- Specimens due within the last 13 months: Patient has any specimen expectation more than **30 days** overdue
 - Out of compliance: If **>10%** of patient **SPECIMENS** are overdue
- Specimens due greater than 13 months ago: Patient has any unresolved specimen expectation
 - Out of compliance: If **any** patient **SPECIMEN** in this category

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IPR Statistics and Report

SWOG Institution Performance Review Statistics
Data as of 03/02/2019

Principal Investigator:
DM Institution:

A. Registration steps lacking submission of Initial Forms Set	3 / 22	13.64%
A1. Registrations within last 13 months	0	
A2. Registrations more than 13 months ago	3 / 22	13.64%
B. Overdue Vital Status Updates	16 / 156	10.26%
C. Expected forms (post-baseline) not submitted	7 / 358	1.96%
D. Expected specimens (post-baseline) not submitted	2 / 24	8.33%
D1. Specimens expected in the last 13 months	0	
D2. Specimens expected more than 13 months ago	2 / 24	8.33%

→ *Indicates out of compliance

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Institution Suspension Risk

- Two Consecutive Months
 - If an institution remains out of compliance on any measure for two consecutive months, a **warning email** is sent to the PI and Head CRA
- Three Consecutive Months
 - The institution is at **risk of suspension** with loss of registration privileges. If not corrected within 1 month, the institution may be suspended

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Query Report

- Not tied to Expectations or IPR
- Will be a future component of site performance
- Just as important
- Located in the Reports link on CRA Workbench; future plans to push out to sites in a monthly report



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Query Report: Example

QUERIES

Filter Criteria: Show only patient # [] Show only study # [] Show only investigator # [] Disease Type [LEUK]
 Show only: ☒ Raw studies ☒ Non-Raw studies
 [Apply] [Reset] [Export Report Data to Excel]

Date Management Institution: Follow-up Institution: 3/21/2019 4:19:26 PM

Ptms	Initials	Investigator	Study	Raw Folder	Raw Form	Raw Field	Query Date	Author	Query
27431	N, L, K		N0101 - 2	Cycle 02	Raw Form Documentation: Follow-up	Comments	3/21/2019	Tracy M	on line 1 we have raw data; on line 2 we have cytogenetics. Please also update to include the morphologic path report for Q2.25.6 and lab about bone marrow cellularity, immature cells, myeloblasts, etc.
27235	N, J, M		N0101 - 2	Follow-up	Follow-up 2019-01-01	How many prior responses has the patient had?	3/20/2019	Tracy M	Please complete this field when outside report rec'd.

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Ineligible patients report

- Eligibility determines whether patients will be included in the primary statistical analysis
- Check your ineligible patients
- Currently not a performance measure, but...
- Review your patients that are coded as ineligible

- N = clinically ineligible
- NI = Insufficient information
- NR = Reversible

Reports

Please select the reports you wish to display:

Expectations and IPR Reports

Query Reports

Ineligible Patients Report



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Ineligible patients report

INELIGIBLE PATIENTS

The following report shows patients who have been deemed ineligible for therapeutic trials coordinated by SWOG who were registered by your institution within the last three years. Note that some of these patients may have transferred before or after responsibility in another institution, but eligibility is checked to the registering institution.

Filter Criteria

Show only patient #

Show only CTEP investigator ID

Show only patients registered since

Show only study #

Show only CTEP institution ID

Show only Disease Type

Ptno	Intake	Registering Institution	Registering Investigator	Registering Institution	Study	Registration Date	Ineligibility Date	Ineligibility Code	Ineligibility Reason
70803	A, 1-W	SWOG			31404-1	4/13/2018	7/13/2018	NI: Inelig. _self_ only	Ineligible due to Oncology trials being done on 04/20/2018 and 08/17/17 and CT scans being done on 04/20/2018. They were done after step 1 registration 04/13/2018.
24148	A, 1-2	SWOG			31207-1	5/13/2018	7/13/2018	NI: Ineligible	NI: NI is equivalent or positive.
27092	A, 0-M	SWOG			31207-1	7/2/2018	4/12/2018	NI: Ineligible	Required protocol block not yet submitted. <100 days.
27144	A, 0-L	SWOG			31409-1	5/20/2018	5/27/2018	NI: Ineligible	Instant ineligible (NI): Patient ineligible (NI) patient taking prior daily combinations that use pharmacologic features (version 2.0.0.0 of the protocol)



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Patients in Follow-Up

Reports

Please select the reports you wish to display:

Expectations and IPR Reports

Query Reports

Ineligible Patients Report

Serious Adverse Events (SAEs) for a Given Study

Study-wide Understanding Report

List of Applicable Protocols for SWOG - Long Term Follow-up Protocol

List of Protocols with No Required Follow-up

Advisory Reports

SWOG (PACER) Protocol Patients

For SWOG-credited Registrations

SWOG-credited Registrations for a Given Date Range

Advisory for SWOG-credited Registrations by Date and Sex

SWOG Patients in Follow-up

Approved SWOG Bone Marrow Transplant Facilities

Approved SWOG Radiation Therapy Facilities

Please select the report you wish to display:

Patients in follow-up

CA184 - Kaiser Permanente

CA184 - Kaiser Permanente

CA184 - Kaiser Permanente

CA184 - Kaiser Permanente

CA184 - Kaiser Permanente

CA184 - Kaiser Permanente

CA184 - Kaiser Permanente

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CA184 - Kaiser Permanente



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Patients in Follow-Up

SWOG Patients in Follow-up

The data submission schedule (Section 14 in the protocol) provides information on the frequency of data submission, the length of time follow-up data is required and the forms to be used for the study. Some studies require many years of follow-up while some phase II studies may only require follow-up for just a few years. The "Patients in Follow-up" report includes all patients at your institution registered to SWOG studies who currently require follow-up (both on and off treatment) per protocol requirements. The list is not to display patients by registration date grouped by SWOG study number. However, the column lists at the top are tabs which may be used to sort the list differently to meet your needs.

Filter Criteria
 Show only SWOG study # Show only SWOG investigator #

Study No	Study	Study Type	Name	SWOG PI No	Registration Institution	Registration Date	Follow-up Investigator	Last Contact
S0816	REL-404: RET-Asapost Therapy	III	R, T, S	232743	KaiserPermanenteSCAL	8/7/2012	Kim, Nien S.	5/7/2018
S0820	PACCS: Colorectal 2 Blind DPMO/Sulindac	III	A, H, S	251193	KaiserPermanenteSCAL	8/18/2014	Kim, Nien A.	7/19/2018
S0820	PACCS: Colorectal 2 Blind DPMO/Sulindac	III	A, L, S	252526	KaiserPermanenteSCAL	8/12/2014	Noma, Lara N.	8/2/2018
S0820	PACCS: Colorectal 2 Blind DPMO/Sulindac	III	R, A, S	254042	KaiserPermanenteSCAL	2/26/2015	Venun, Srinidya L.	8/2/2018
S0851	Renal: EVEREST	III	R, W, S	246462	KaiserPermanenteSCAL	2/26/2015	Raja, Nandini	12/12/2018
S0851	Renal: EVEREST	III	S, C, B	242961	KaiserPermanenteSCAL	6/7/2013	Kim, Nien A.	12/24/2018
S0851	Renal: EVEREST	III	A, U	243889	KaiserPermanenteSCAL	2/25/2015	Chen, Wendy	12/12/2018
S0931	Renal: EVEREST	III	D, J	252376	KaiserPermanenteSCAL	1/15/2015	Hayak, Thu Tam	11/30/2018
S0931	Renal: EVEREST	III	A, S	243977	KaiserPermanenteSCAL	2/25/2015	Chen, Wendy	8/19/2018
S0931	Renal: EVEREST	III	T, S, S	248976	Kaiser Perma SCAL	12/11/2015	Dinh, John H.	12/31/2018
S1007	BREAST:ABN:Endocrine v- Chemo	III	N, Y, R	232878	KaiserPermanenteSCAL	9/7/2011	Rothman, Gary L.	8/29/2018
S1007	BREAST:ABN:Endocrine v- Chemo	III	B, J	232442	KaiserPermanenteSCAL	12/22/2011	Mahapat, Sankarita	8/11/2018
S1007	BREAST:ABN:Endocrine v- Chemo	III	C, S	232174	KaiserPermanenteSCAL	12/22/2011	Venun, Srinidya L.	10/1/2018
S1007	BREAST:ABN:Endocrine v- Chemo	III	A, H	233885	KaiserPermanenteSCAL	2/7/2012	Benavente, Debbie L.	12/12/2018

CTSU Reports

- Data Quality Portal (DQP)
 - Delinquent Forms
 - Queries

- Includes
 - All SWOG Rave studies
 - Other Network Group Rave studies



High quality data are essential for good studies...
 ...Your efforts are essential for high quality data

