

Leveraging Epic for Research: Training Topics Overview

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October 14th, 2024



Icahn
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Patients and Providers are actively engaged with Epic Helping us bring research studies to all!

Epic EHR

- Our Epic EHR is a common element across all sites and clinics
- Our investment in the Epic EHR will grow
- Our goal is to bring clinical trials to all

MyMountSinai (Epic MyChart) website & app

- 1.86M total MyMountSinai accounts
- ~511k patients use MyMountSinai every month
- 68% of patients have an active MyChart account

Epic Research features already available at MSHS

Automatically process research-specific claims

Indicate an encounter as a research encounter

Notify research staff of research patient appointment/admission/demise

Enable research billing review

Indicate an order as related to research

Associate oncology research studies with study protocols

Enable our practice advisories to identify potential research patients

Show current research studies in MyMountSinai

Patient opt in/out of research recruitment via MyMountSinai

Send MyMountSinai Research messages to recruit participants

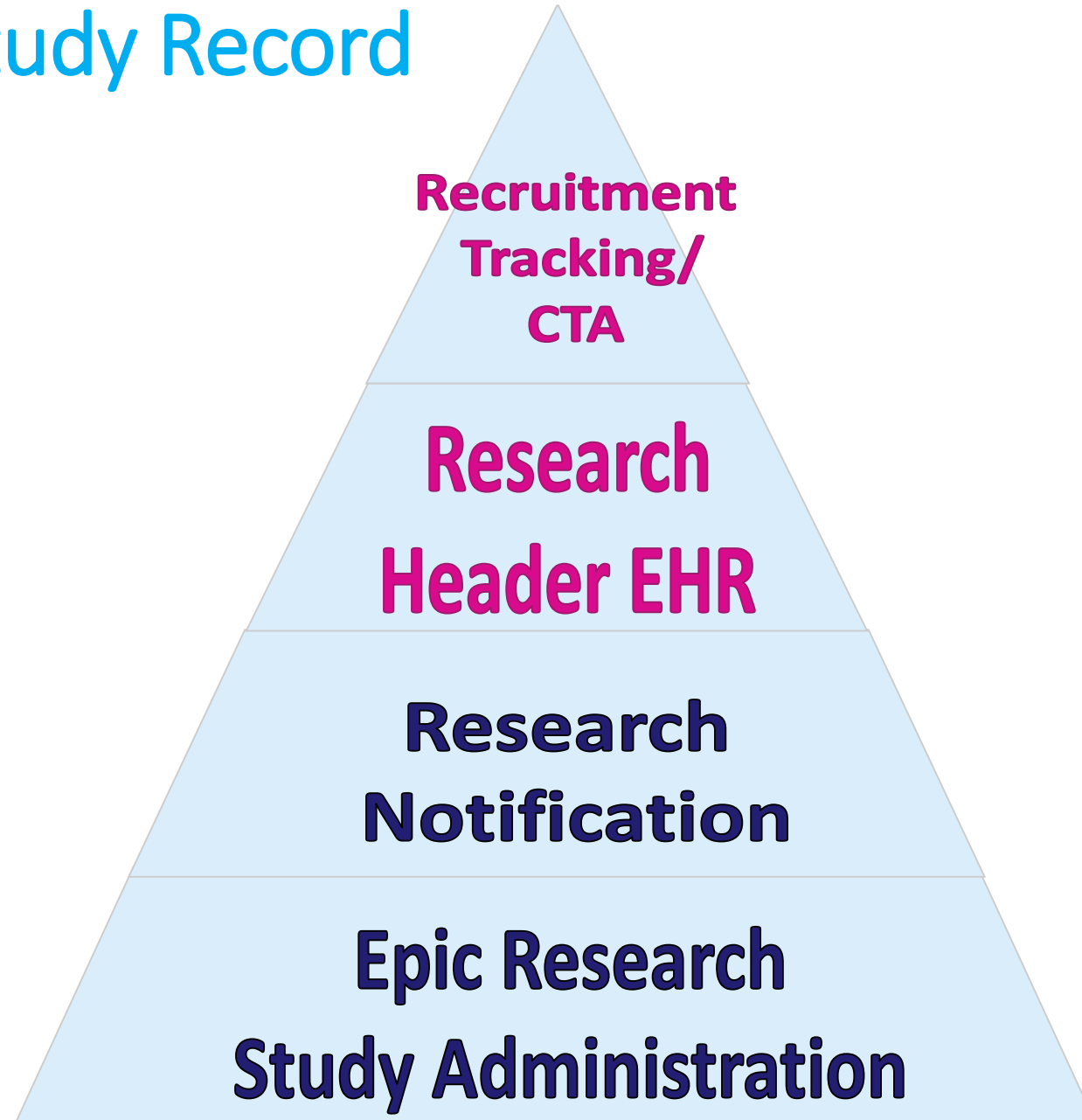
2024 plans: raise awareness through announcements and training

Research Study Record

- This is the foundation of Epic Research
- Research studies must be created in Epic in order to effectively use Research features
 - Alternative is labor intensive one off's



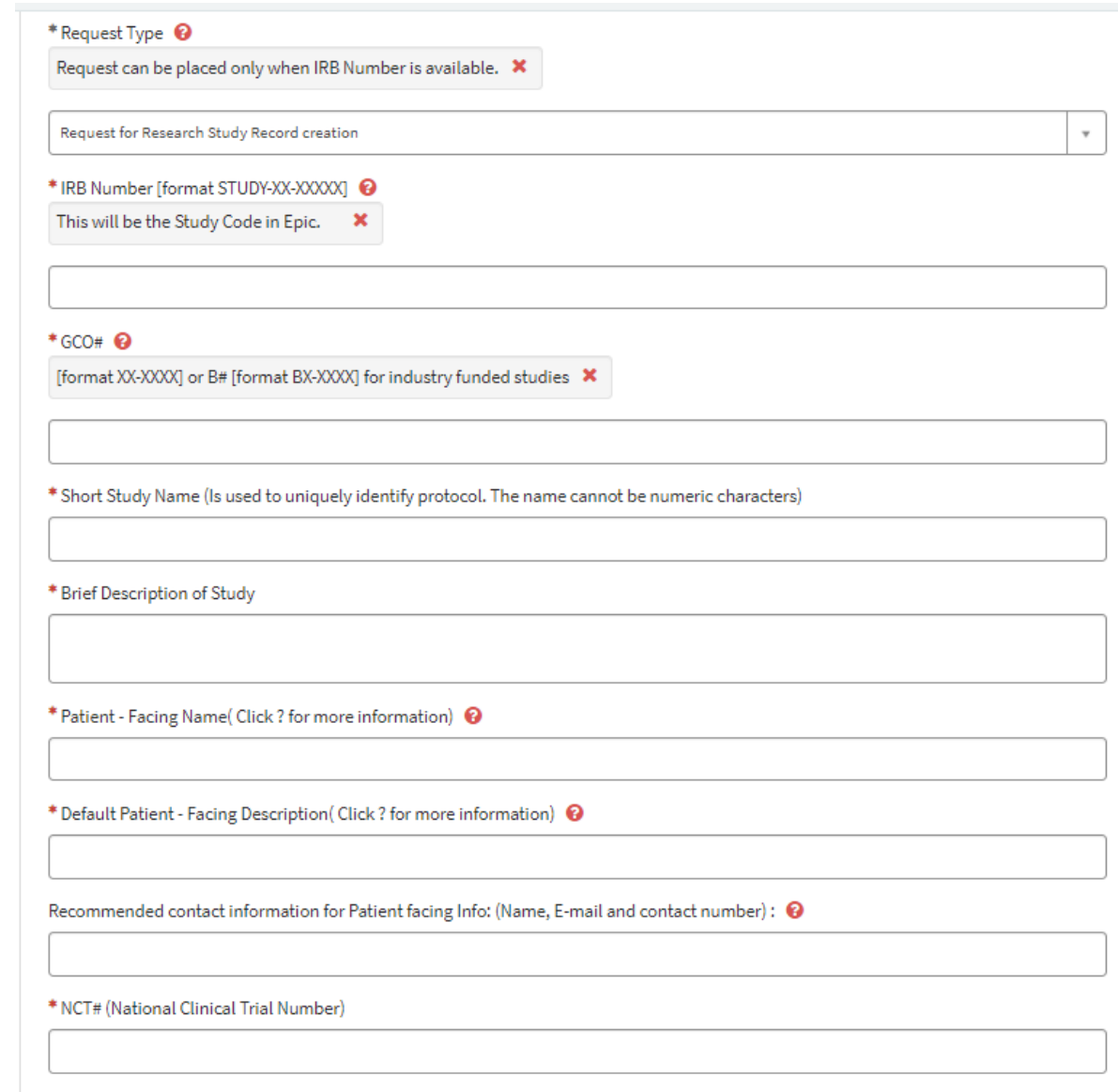
Research Study Record






Creating the Research Study Record in Epic



- Before a patient is enrolled in a Research Study in Epic, a request to create the study record must be submitted in ServiceNow
- Basic information is collected such as NCT#, IRB Assigned Study # and Principal Investigator
- Use the same information in this form as the IRB submission portal
- Note, if required info is not filled out such as PI and IRB number, the request will not be completed



[Epic Research Study Record \(RSH\) - Mount Sinai Health System \(service-now.com\)](https://service-now.com)



* Request Type 
Request can be placed only when IRB Number is available. 


Request for Research Study Record creation 


* IRB Number [format STUDY-XX-XXXX] 
This will be the Study Code in Epic. 


* GCO# 
[format XX-XXXX] or B# [format BX-XXXX] for industry funded studies 

* Short Study Name (Is used to uniquely identify protocol. The name cannot be numeric characters)

* Brief Description of Study

* Patient - Facing Name(Click ? for more information) 

* Default Patient - Facing Description(Click ? for more information) 

Recommended contact information for Patient facing Info: (Name, E-mail and contact number) : 

* NCT# (National Clinical Trial Number)

Updating the Research Study Record in Epic

- The same ServiceNow form is be used for study updates and study closure
- Indicate any fields that need to be changed such as if study coordinators needs to be added
- **When requesting the study to be closed in Epic**, patients enrollments should be updated and there should be no outstanding bills
- It is important to make sure studies are updated in Epic

Epic Research Study Record (RSH)
Request to create a research study protocol record.

Request to create a research study protocol record.

RESEARCH STUDY RECORD REQUEST

* Requested for ?

* Contact Phone

* Email

* Life Number

* Request Type ?
Request can be placed only when IRB Number is available. ✖

Existing Research Study Record update

-- None --

Request for Research Study Record creation

Existing Research Study Record update

Study Closure

[Epic Research Study Record \(RSH\) - Mount Sinai Health System \(service-now.com\)](https://service-now.com)

Epic Research Record Policy

“All prospective human research studies with the billable services will have a research record (RSH) in Epic. This policy applies to all research studies conducted at Mount Sinai Health System”

- **Billable Services:** Services or procedures provided during a research study that are eligible for billing to patients, insurance, or grants.
- **Epic:** The EHR system used for managing patient records, scheduling, and billing.
- **Research Study:** A scientific study of nature that sometimes includes processes involved in health and disease. These studies may be related to new ways to screen, prevent, diagnose, and treat disease.

Research Study Record Creation in Epic

Current Process

Study team submits ServiceNow ticket

- Epic team reviews the request to ensure that it has all the required information
- Builds the study
- Notify the study team once the study is available in Epic

New Process

Leverage the data in OnCore

- ServiceNow ticket will no longer be needed for new study request or study closure
- ServiceNow will continue being used for changes in staff
- Central OnCore Team will build study records
- The list of new studies will be sent to Epic team daily
- Notify the study team once the study is available in Epic

Epic for Research Features and Functionality

Enrolling a Patient in a Research Study

- The patient's enrollment status and additional information is entered in the **Research Studies** activity to allow staff to track patients part of a study
 - Statuses manually updated by research staff:
 - Active Statuses: Enrolled, Consent Signed & Screening Process
 - Pre-Consent Statuses: Waiting for consent, Identified, Interested & Eligible
- A Research banner appears for patients **enrolled** in research studies
- Viewed from the Story Board banner

The screenshot shows a patient's profile on the left and a 'Research Studies' activity on the right. The patient's name is Alfred Zztest, a 31-year-old male born 4/16/1993. His MRN is partially visible. He speaks English and has a 'NONE' code status. A 'Research Participant' tag is highlighted in yellow. The primary physician is Bruce J. Darrow, MD, a PCP - General. The patient's weight is 59.9 kg (132 lb). The 'Research Studies' activity is for the 'Mount Sinai Kidney Precision Medicine Project'. A red box highlights the 'Participant Details' section, which shows the patient's status as 'Enrolled' with an effective date of 10/13/2023. The active start date is also 10/13/2023, and the active end date is currently blank. Below this, the 'Study Details' section is partially visible, showing fields for Study Code, IRB#, and NCT#.

Status	Status Effective Date
Enrolled	10/13/2023

Active Start Date	Active End Date
10/13/2023	—

Indicate an Encounter as Research Encounter

Scheduling, Registration and Clinical Staff can link encounters to research studies:

- Scheduling– via the Appointment Desk
- Registration – via the Research Encounter Association

The association can be viewed in:

- Scheduling Activities
 - At sites with Epic Scheduling and Registration
- Chart Review

Indicate an Encounter as Research Encounter

Scheduling:

Appointment Desk

Book It Walk In Request Reports Patient Options Printing

Patient Summary (Edit)

Zztest, Epictwo (69 yrs) DOB: 9/8/1954 Registration Status: Elapsed Mobile: E-mail: testing@test.com

81%

Link to Research Study

EVA

Enrolled Study Code: IRB# Principal Investigator

18-0012 19-0012 Jessica Robinson-Papp, MD

Link encounter

Close

Initial VISIT EMERG CARE REQUIRED

Guarantor Accounts

Future Past Referrals Admissions Active Requests Finalized Requests

Visit Type	Notes	Rescheduled	Linked Requests	Referral	Has Linked Appt?	Or...	Auth Status	DT L
3 MAIN	LAB WORK CC [2426]	labs						X

Registration:

Check In

Documents Patient Refund Outside Records Room Pat Guar and Cvg Infection Screening Appt Desk Claim Info MSPQ View MSPQ Referrals Auth/Cert Linkage More

Research Encounter Association

Research Studies

Enrolled Study Code IRB# Principal Investigator

18-0012 19-0012 Jessica Robinson-Papp, MD

Enrolled Study Code IRB# Principal Investigator

18-0012 19-0012 Jessica Robinson-Papp, MD

Enrolled Study Code IRB# Principal Investigator

18-0012 19-0012 Jessica Robinson-Papp, MD

Close

Previous Next

SPECIALTY BILLING

Research Assoc...

Research Linkage is visible in Chart Review

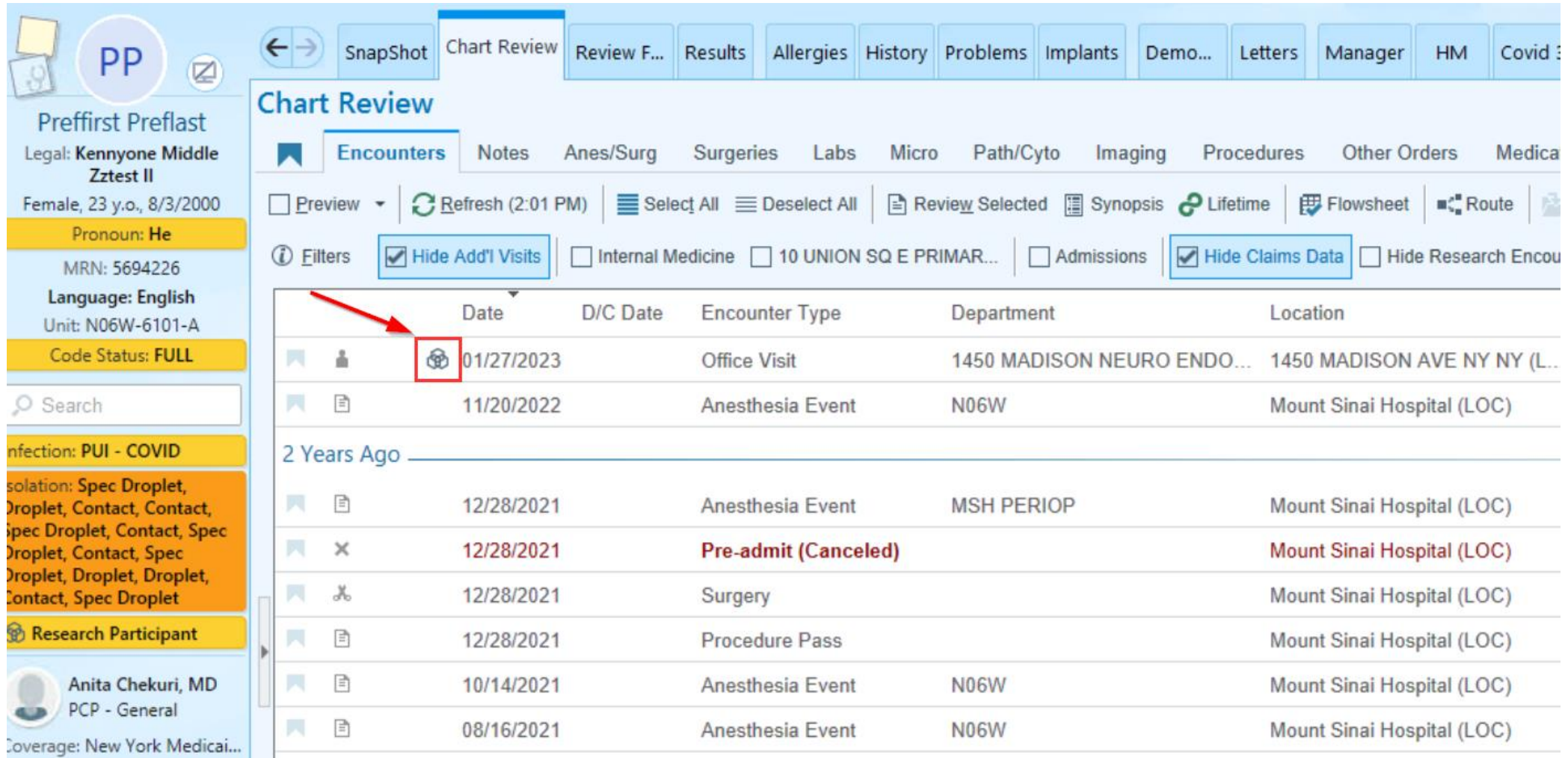










Chart Review

Encounters | Notes | Anes/Surg | Surgeries | Labs | Micro | Path/Cyto | Imaging | Procedures | Other Orders | Medical

Filters: Hide Add'l Visits | Internal Medicine | 10 UNION SQ E PRIMAR... | Admissions | Hide Claims Data | Hide Research Encou

	Date	D/C Date	Encounter Type	Department	Location
	01/27/2023		Office Visit	1450 MADISON NEURO ENDO...	1450 MADISON AVE NY NY (L...
	11/20/2022		Anesthesia Event	N06W	Mount Sinai Hospital (LOC)
2 Years Ago					
	12/28/2021		Anesthesia Event	MSH PERIOP	Mount Sinai Hospital (LOC)
	12/28/2021		Pre-admit (Canceled)		Mount Sinai Hospital (LOC)
	12/28/2021		Surgery		Mount Sinai Hospital (LOC)
	12/28/2021		Procedure Pass		Mount Sinai Hospital (LOC)
	10/14/2021		Anesthesia Event	N06W	Mount Sinai Hospital (LOC)
	08/16/2021		Anesthesia Event	N06W	Mount Sinai Hospital (LOC)

Research Billing Review – Process Change

Current Process

Workqueue based done at the service location

- Team reviewing the charges were not involved in the study

New Process

Report Based and will be owned by the study team

- Phased roll out
- Detailed Instructions with the tip sheet will be available soon

Notify Research Staff of Research Patient Appointment/Admission/Demise

- Research staff (PI & Research Coordinators) listed in the Research study record receive automatic notifications via **Epic In-Basket** (Notifications will not be received via email)
- **Appointment Notification:** Appointment is canceled, missed or changed
- **Research ADT Event Notification:** Patient is admitted, transferred or discharged
- **Post Mortem:** Patient is marked as deceased

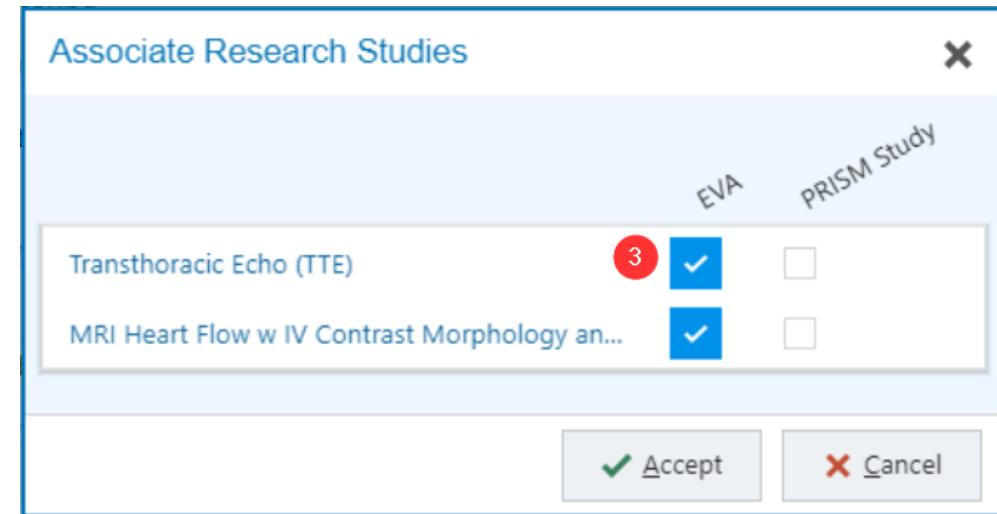
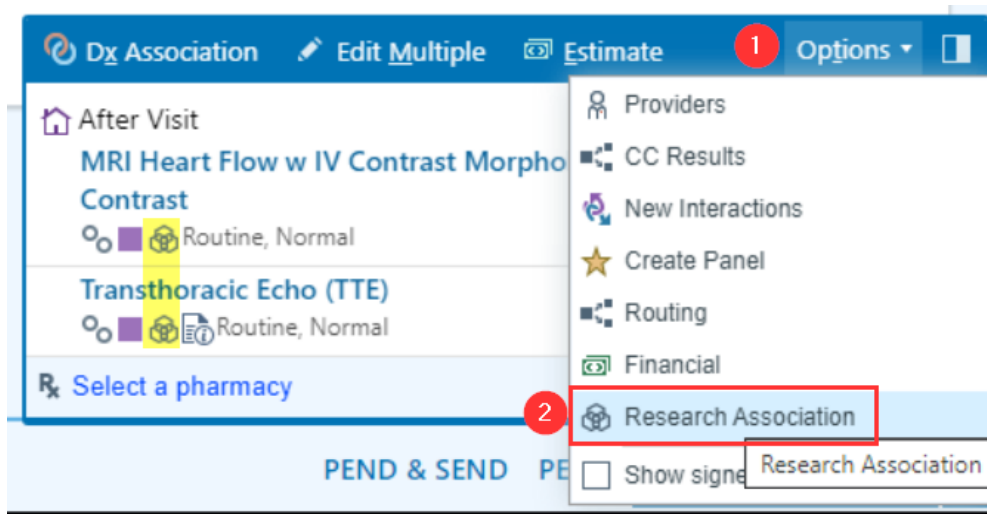
The screenshot displays the Epic In-Basket interface. On the left, the 'In Basket Message Types' list includes 'Appointment Notification' with a count of 1/4, highlighted with a red box. A red annotation 'Jump to the Research Studies activity' points to the 'Research Studies' icon in the top navigation bar. Another red annotation 'Additional information on the Research Study' points to the 'Research Info' tab in the message header. The main content area shows a table of appointment notifications:

Status	Sent Date	Patient
Read	10/18/2023	Radiant, Spiderman [B125601]
Read	12/19/2023	Test, Misha [T317077]
Read	03/04/2024	Radiant, Spiderman [B125601]
New	03/04/2024	Radiant, Spiderman [B125601]

Below the table, a 'Research Study Linked to Appointment on 10/2/2023' is shown, including details for a 'Proof Of Concept Study' such as 'Status: Enrolled (9/25/2023)', 'Active Start Date: 9/22/2023', and a 'Linkage History' table:

Date and Time	Action	Protocol	Treatment Day	User
10/02/2023 10:23 AM	Linked			Rad...

Indicate an Order as Related to Research

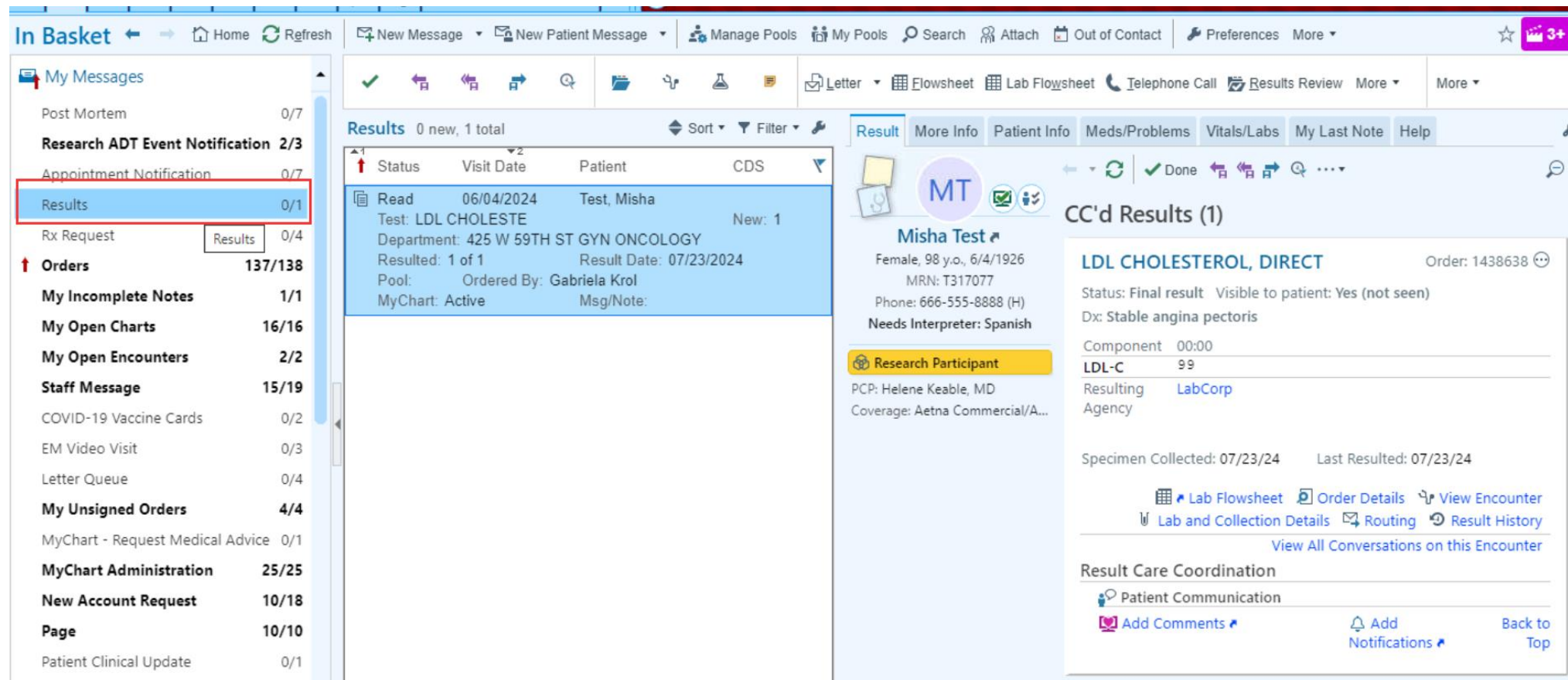


Available for all specialties now and anyone user who is placing research related orders [MDs, NPs, PAs, etc]

Benefits :

- Gives study staff, study monitors, and clinicians a clearer picture of why an order was placed.
 - Particularly helpful for research orders being placed during a clinical care visit.
- Enables study staff to track completion rates for study-related orders and compile results in a data set.
- Allows study staff to receive notifications of results related to their studies.
- Leads to more compliant and efficient billing

Results Routing to Study Staff



The screenshot shows the Epic In Basket interface. On the left, the 'My Messages' sidebar lists various notification categories, with 'Results' highlighted in blue and showing 0/1 items. The main content area displays a 'Results' notification for a patient named Misha Test. The notification includes details such as the test name (LDL CHOLESTE), department (425 W 59TH ST GYN ONCOLOGY), and result date (07/23/2024). A 'Research Participant' badge is visible. On the right, the 'CC'd Results (1)' panel shows the specific lab result: LDL CHOLESTEROL, DIRECT, with a value of 99. The interface also shows navigation options like 'Lab Flowsheet', 'Order Details', and 'View Encounter'.

CC options:

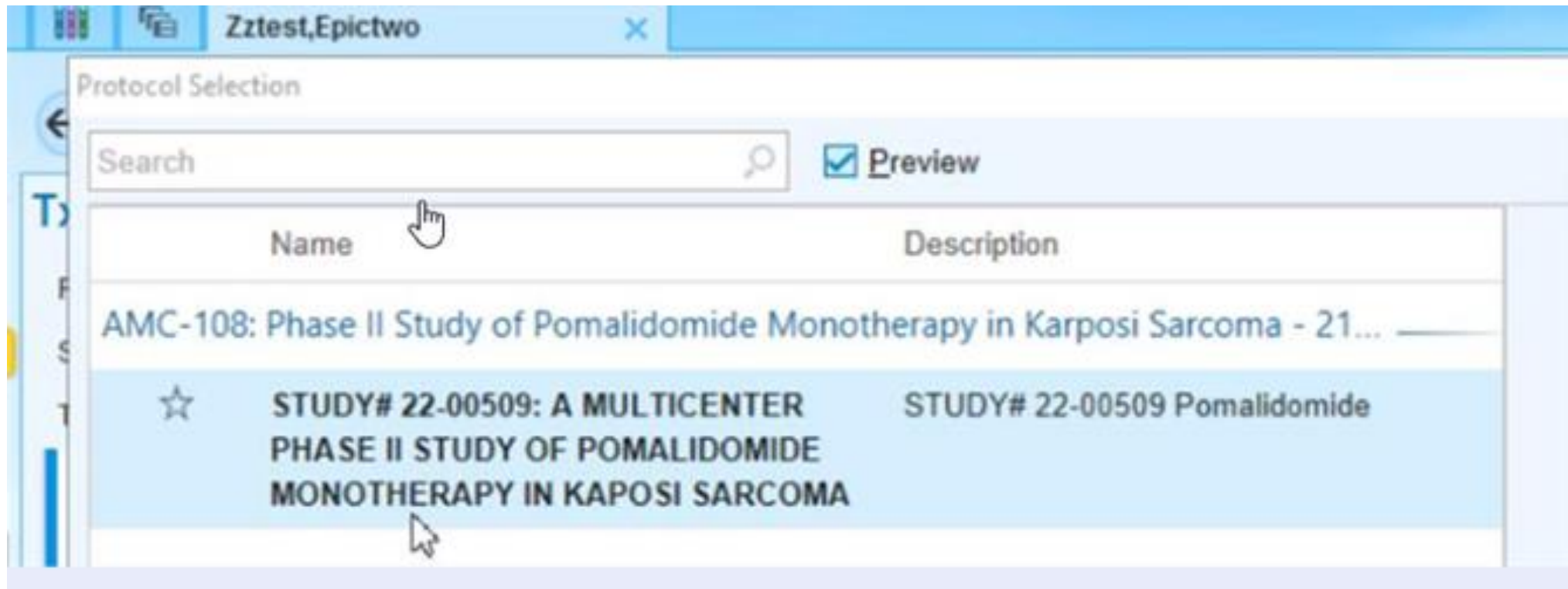
- PI and Coordinators
- Only PI
- Only Coordinators

Requirements:

- Relies on accurate study members being listed
- Study team must having access to Mount Sinai Epic In Basket

Associate Oncology Research Studies with Study Protocols

- Can associate a research study with one or more Beacon treatment protocols



Epic Research Accruelement

Clinical Trial Recruitment Alerts at Point of Care

- Our Practice Advisories (OPAs) can appear in clinical workflows if a patient meets initial screening and eligibility criteria.
- Within the OPA, clinicians can:
 - Indicate a patient's interest
 - Ability to send an InBasket message

⚠ This patient is eligible for the Colorectal Cancer Outcomes Assessment (IRB #23-01131), an observational study. Their responsibility as participants would be to complete surveys at a frequency ranging from one-time to every 3 months, depending on their stage of care. These surveys can be completed on paper, electronically, or over the phone. Please briefly introduce the study to them and indicate whether they are interested using this tool. 👍

Respond to Study Do Not Respond Colorectal Cancer Outcomes Assessment

Interested
 Declined

✓ Accept Dismiss

Clinical Trial Recruitment Alerts at Point of Care

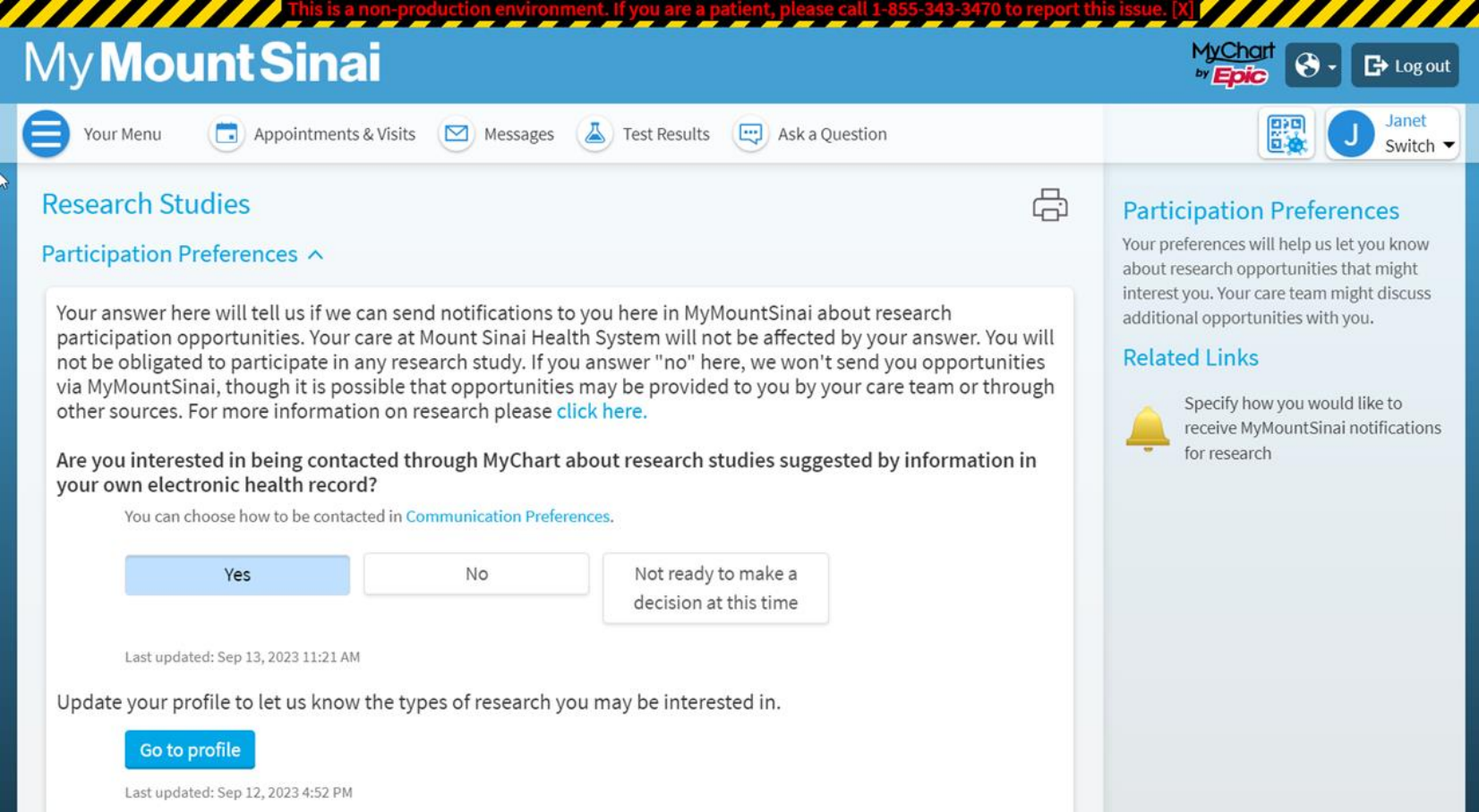
- Our Practice Advisories (OPAs) work best the more discrete the better!

The following discrete information is collected during our intake:

- Exclusion and inclusion criteria can include the below:
 - ICD-10 codes
 - CPT codes
 - Medications
 - Procedures
 - Lab IDs
- List of Epic Departments the OPA should fire for
- Who the OPA should fire for [Physicians, Nurse Practitioner etc]

Patient Opt In/Out of Research Recruitment via MyMountSinai

- Patients indicate whether they are willing to be contacted about research studies on MyMountSinai
- A link is included for patients to learn more information: [Mount Sinai Research](#)



This is a non-production environment. If you are a patient, please call 1-855-343-3470 to report this issue. [X]

MyMountSinai MyChart by Epic Log out

Your Menu Appointments & Visits Messages Test Results Ask a Question Janet Switch

Research Studies

Participation Preferences ^

Your answer here will tell us if we can send notifications to you here in MyMountSinai about research participation opportunities. Your care at Mount Sinai Health System will not be affected by your answer. You will not be obligated to participate in any research study. If you answer "no" here, we won't send you opportunities via MyMountSinai, though it is possible that opportunities may be provided to you by your care team or through other sources. For more information on research please [click here](#).

Are you interested in being contacted through MyChart about research studies suggested by information in your own electronic health record?

You can choose how to be contacted in [Communication Preferences](#).

Last updated: Sep 13, 2023 11:21 AM


Update your profile to let us know the types of research you may be interested in.

Last updated: Sep 12, 2023 4:52 PM

Participation Preferences

Your preferences will help us let you know about research opportunities that might interest you. Your care team might discuss additional opportunities with you.

Related Links

 Specify how you would like to receive MyMountSinai notifications for research

Allow Patients to Complete a Research Preference Profile in MyChart

- Patients indicate which types of studies they might be interested in participating
- Responses can then be used for research recruitment outreach

The screenshot shows the MyChart interface for a patient named Janet Switch. The main heading is "Research Preference Profile". The first question is "Would you consider participating in research studies as a healthy volunteer?", with a subtext: "Many studies also need healthy volunteers for comparison purposes, so you don't necessarily have to have a condition to help researchers." There are "Yes" and "No" buttons. The second question is "Which areas of research would you be interested in?", with a subtext: "Select all that apply." A list of research areas is shown in a scrollable box: Allergies & Immune System, Blood, Heart, & Circulation, Bones, Joints, & Muscles, Brain & Nervous System, Cancer, Child Health, Diabetes, Digestive System & Liver, Drug/Alcohol/Substance Dependence, and Ears, Nose, & Throat. At the bottom are "Continue" and "Cancel" buttons. On the right side, there is a "Participation Preferences" section with a subtext: "Your preferences will help us let you know about research opportunities that might interest you. Your care team might discuss additional opportunities with you." Below this is a "Related Links" section with a bell icon and the text: "Specify how you would like to receive MyMountSinai notifications for research". The top navigation bar includes "MyChart by Epic", "Log out", and a user profile for Janet Switch.

List of 'Areas of Research' Currently Available

- Allergies & Immune System
- Blood, Heart, & Circulation
- Bones, Joints, & Muscles
- Brain & Nervous System
- Cancer
- Child Health
- Diabetes
- Digestive System & Liver
- Drug/Alcohol/Substance Dependence
- Ears, Nose, & Throat
- Endocrine System
- Eyes & Vision
- Food, Nutrition, & Weight
- Genetics
- Immune System
- Infectious Diseases
- Kidney & Urinary System
- Lungs & Breathing
- Mental/Behavioral Health
- Mouth & Teeth
- Newborn
- Pain Management
- Pregnancy & Neonatal
- Reproductive & Sexual Health
- Skin, Hair, & Nails
- Sleep Disorders
- Transplant
- Wellness & Lifestyle
- Women's Health

Show Current Epic Research Studies in MyMountSinai

- Display information about research studies a patient is or has been involved in

The screenshot displays the MyMountSinai user interface. At the top, there is a blue header with the MyMountSinai logo on the left and user controls on the right, including the MyChart by Epic logo, a user profile icon with the letter 'J', a 'Switch' dropdown menu, and a 'Log out' button. Below the header, the main content area is divided into two columns. The left column features a 'Research Studies' section with a printer icon, a 'Participation Preferences' dropdown menu, and an 'Active Studies' section. Under 'Active Studies', there is a card for the 'Smoking Cessation Study' with the status 'Enrolled'. The card contains a table with two columns: 'Principal Investigator' and 'Description'. The Principal Investigator is listed as Janice Gabrilove, MD. The description states: 'We are investigating the occurrence of exercise-induced pulmonary hypertension in patients with sickle cell anemia, and its relationship with clinical and echocardiographic variables.' Below the description, there is a link: 'For more info, [visit our website for this study.](#)' The right column contains a 'Participation Preferences' section with a brief explanation of how preferences are used, followed by a 'Related Links' section featuring a bell icon and text about receiving notifications for research.

MyMountSinai

MyChart by Epic J Switch Log out

Research Studies

Participation Preferences ▾

Active Studies

^ **Smoking Cessation Study** Enrolled

Principal Investigator	Description
Janice Gabrilove, MD	We are investigating the occurrence of exercise-induced pulmonary hypertension in patients with sickle cell anemia, and its relationship with clinical and echocardiographic variables.

For more info, [visit our website for this study.](#)

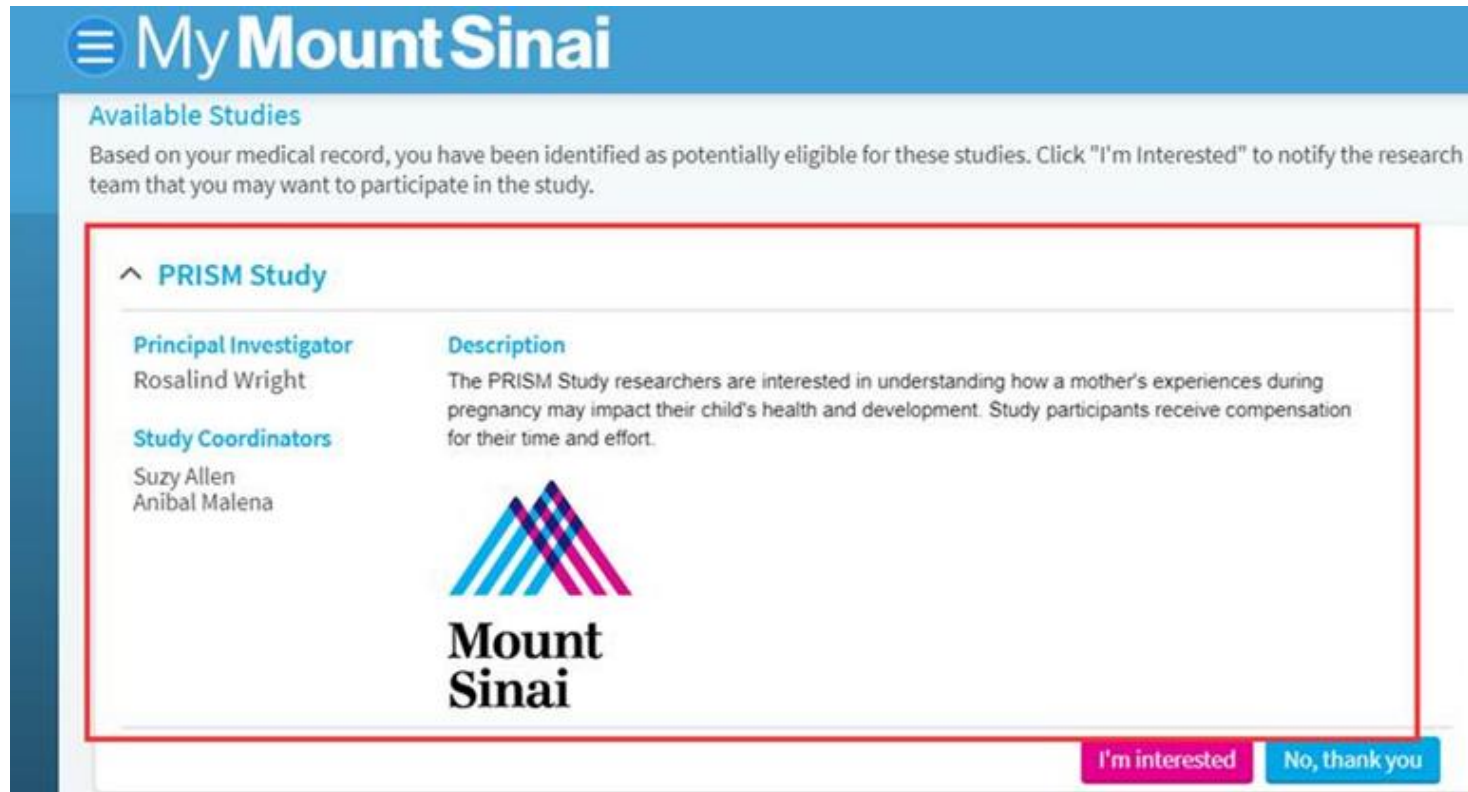
Participation Preferences
Your preferences will help us let you know about research opportunities that might interest you. Your care team might discuss additional opportunities with you.

Related Links

Specify how you would like to receive MyMountSinai notifications for research

Send MyMountSinai Research Messages to Recruit Participants

- This feature may not be appropriate for all studies
- Use MyChart to find out whether potentially eligible patients are interested in participating in a study
 - Patients receive an email/text when they have a research message



The screenshot shows the MyMountSinai interface. At the top, there is a blue header with the MyMountSinai logo and name. Below the header, the page is titled "Available Studies" and includes a sub-header "Available Studies" and a paragraph: "Based on your medical record, you have been identified as potentially eligible for these studies. Click 'I'm Interested' to notify the research team that you may want to participate in the study." The main content area is a white box with a red border, titled "PRISM Study" with an expand/collapse icon. It is divided into two columns. The left column lists the "Principal Investigator" as Rosalind Wright and "Study Coordinators" as Suzy Allen and Anibal Malena. The right column is titled "Description" and contains the text: "The PRISM Study researchers are interested in understanding how a mother's experiences during pregnancy may impact their child's health and development. Study participants receive compensation for their time and effort." Below the description is the Mount Sinai logo, which consists of a stylized mountain peak made of blue and pink lines, with the text "Mount Sinai" below it. At the bottom right of the white box, there are two buttons: "I'm interested" (pink) and "No, thank you" (blue).

In Basket Message for MyChart Recruitment

The screenshot displays the MyChart 'In Basket' interface. On the left, a navigation pane lists various request types, with 'Research Recruitment' highlighted in a red box. The main content area shows a message from 'Research Studies' to the patient. The message details include the date and time (10/09/2023 09:00 AM), patient name (Zztest, Novatwo), research study (TEST [TEST]), and pool status (NO). Below the message, patient information is shown, including a 'Research Participant' badge, PCP (Kathleen Albohm, NP), and primary caregiver (None). A red box highlights a 'Research Recruitment Status Update' message, which states that the patient's study association status has changed and provides details on the current status (Interested) and the update time (10/9/2023 9:00 AM). At the bottom, a table lists the patient's other study associations, including 'AZACITIDINE W OR W/O THE HISTONE DEACETYLASE INHIBITOR MS-275 FOR MDS, AML, CHRONIC ML' and 'eMERGE IV', both with an enrollment status of 'Enrolled'.

In Basket

Home Refresh New Message New Patient Message Manage Pools My Pools Search Attach Out of Contact Preferences Manage QuickActions

Research Recruitment 0 new, 1 total

Msg Date Patient

10/09/2023 09:00 AM Zztest, Novatwo
Research Study: TEST [TEST]
Pool?: NO Comment:

Research Recruitment 0/1

Unv Lab Notif 0/1
Video Visit 0/3

Attached & Covering Users 0/0

Research Recruitment Status Update

This patient's study association status has changed. Please follow up accordingly.

Research study: TEST
Current status: Interested
Updated: via MyMountSinai at 10/9/2023 9:00 AM

Patient's Other Study Associations

Research Study	Enrollment Status
AZACITIDINE W OR W/O THE HISTONE DEACETYLASE INHIBITOR MS-275 FOR MDS, AML, CHRONIC ML	Enrolled
eMERGE IV	Enrolled

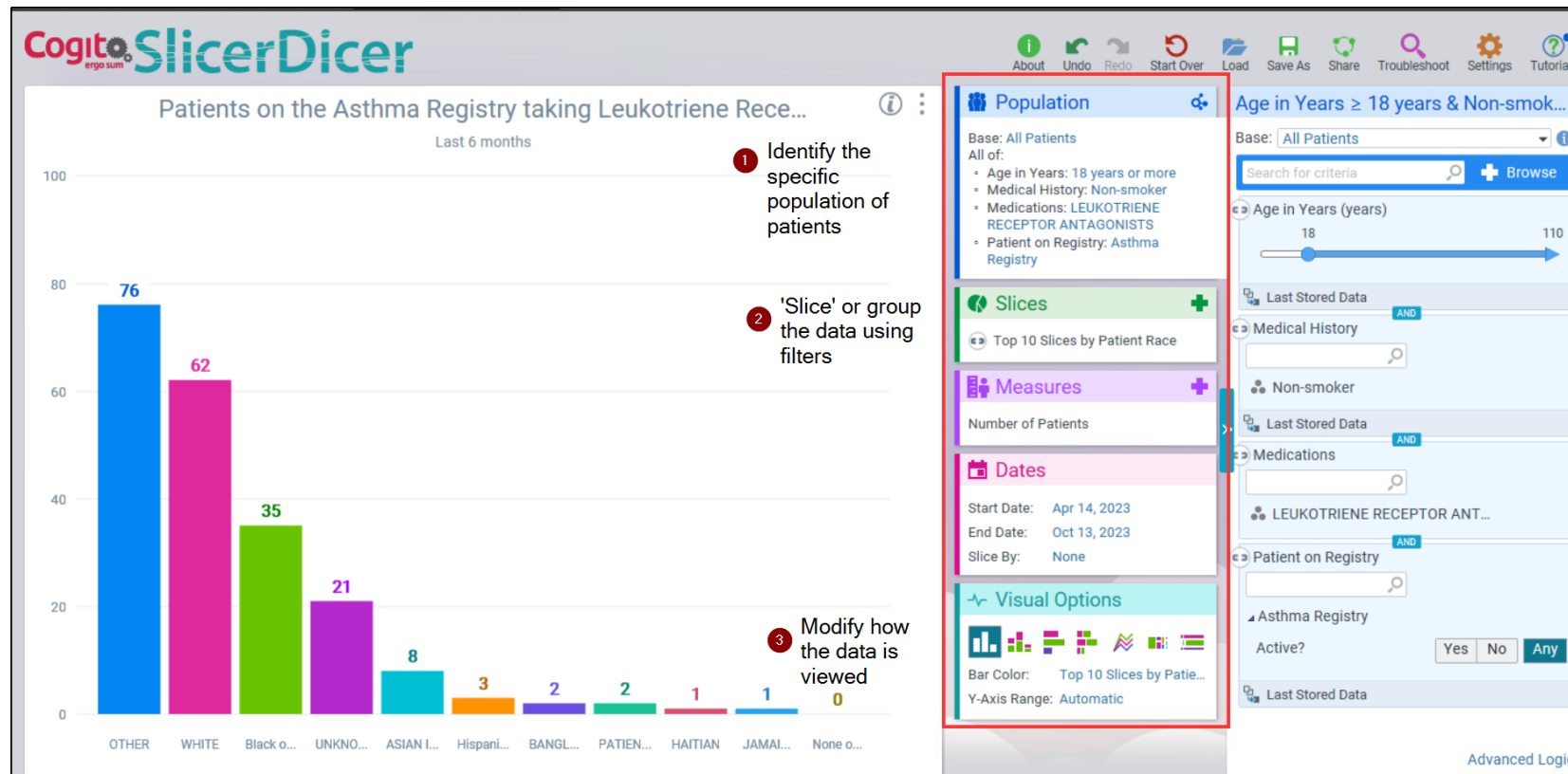
Request Process for MyChart Recruitment Feature

- If you would like to use MyChart Recruitment for your study:
 - Submit a ServiceNow request: [Epic MyChart for Research Recruitment](#)
- Team will reach out to schedule an intake call
 - Team reviews if study is a good fit for the feature
- Call with our Epic Research Advisory Group for final approval
 - IRB approval is needed to use MyChart for Research Recruitment

The screenshot shows a web page for submitting a request for the MyChart for Research Recruitment feature. The breadcrumb navigation at the top reads: Home > All Catalogs > Epic Service Catalog > EPIC > Epic MyChart for Research Recruitment. A search bar is visible on the right. The main heading is "Epic MyChart for Research Recruitment" with the instruction "Use this form to submit requests for using the MyChart for Research Recruitment feature". Below this, there is explanatory text: "With the MyChart for Research Recruitment feature, MyChart Research study messages can be sent to eligible patients through MyChart and patients can respond to the messages and indicate they are interested in participating. This is for direct patient advertising without a MD intermediary per IRB approval. If MD intermediary required please discuss with Epicresearch2@mountsinai.org". Another note states: "A research record must exist in Epic in order to use this feature. Please submit a 'Epic Research Study Record (RSH)' request if the study is not yet in Epic." The form includes two required fields: "* Requested for" (with a red question mark icon) and "* Contact Phone".

SlicerDicer

- Deidentified data for research feasibility
- Appropriate security is needed to use SlicerDicer, CRCs can only view deidentified information



- Mount Sinai Data Warehouse Request:

<https://scicomp.mssm.edu/jira/servicedesk/customer/portal/4/create/56>

Epic Research Monitors

Granting Access to Epic for Study Monitors

Fundamentals of Research at ISMMS	Industry Initiated Clinical Research	Investigator Initiated Clinical Research	Other Research	Basic Science	CTSA Network Central Resources
<ul style="list-style-type: none">● Study Management● Financial Management● Monitoring and Audits● Study Closeout or Termination● Document Retention and Disposal		<p>Guidance and Recommendations for On-site and Remote Study Monitoring (Updated 1/26/2021)</p> <ul style="list-style-type: none">• Click > HERE (internal) for:<ul style="list-style-type: none">◦ Remote Monitoring Guidance and Recommendations◦ Guidance – Use of Certified Copy <p><i>(Note: to access internal documents in SharePoint, you may be prompted to enter your MSHS credentials.)</i></p> <ul style="list-style-type: none">• Refer to COVID-19 Human Subject Research Ramp-up Guidance for the latest monitoring updates from the Dean's Office.• For guidance on Requesting External Monitor and Auditor Access in Epic click > HERE. <p>Policy Updates</p> <p>Update on On-site Monitoring for Clinical Trials (10/04/2022)</p> <p><u>Monitoring for Clinical Trials</u></p>			

- More information available on the Research Roadmap:

[Monitoring and Audits | Research Roadmap \(mssm.edu\)](#)

Training Overview

Current Training

- 1 day Instructor Led training available in PEAK
- Zoom

Upcoming Training Date

- Thursday October 24th

Agenda:

ServiceNow Request for new Research Study
Enrolling a Patient to a Research Study
Scheduling an Existing Patient
Link Appt. to a Research Study
Cancelling/Rescheduling
New Patient Registration
Updating Demographics & Coverage
In-Basket messages

Other Training Types

Limited CRC Training [scheduling/registration NOT INCLUDED]

- eLearning Training

BMEII Radiant Research Coordinator training **Add-on** [placing ancillary orders]

	Scheduling/ Registration	Enrolling patients in Research Studies	Linking Encounters to Research	Radiant Ancillary Orders
Full CRC Training	✓	✓	✓	X
Limited CRC Training	X	✓	✓	X
Radiant Research Coordinator Training	X	X	X	✓
View Only Training	X	X	X	X

Digital Concierge Service

Digital Concierge Service is held **every Wednesday from 3:30 pm – 4:30 pm (Eastern Time)** **plus** an extra day (not Wednesday) once a month to accommodate users who cannot attend on Wednesdays. To attend to get help with any of the services below, people should register in advance [at this link](#).

- **NEW: Epic for Research**
 - Leverage Epic for Research by utilizing features to recruit study participants, track patient enrollment, send consents via MyChart, receive notifications for research patient admissions and appointment changes, etc.
- **Minerva High Performance Computing (HPC)**
 - Minerva is comprised of over 2 petaflops of computational power and 32 petabytes of storage
- **Data Ark Data Commons**
 - Data Ark consists of public and Sinai-specific data sets located on Minerva
- **Mount Sinai Data Warehouse (MSDW) and Self-service Cohort Query Tools**
 - MSDW provides access to clinical and operational data collected from Mount Sinai's Epic Electronic Health Records
- **REDCap**
 - REDCap (Research Electronic Data Capture) is a secure, interactive web application for building and managing online surveys and databases
- **eRAP Electronic Data Capture**
 - eRAP is a secure, interactive web application for rapid database customization for single and multi-site studies
- **Library Resources and Services**
 - Use Library resources to find and manage evidence, data, and measurement instruments. Guidance on publication analysis and research impact, evidence synthesis, reference management, and data sharing.
- **DTP Academic Technology**
 - DTP Academic Technology provides support for computer-related issues, software questions, and IT concerns.
- **DTP Cybersecurity**
 - Protect your data, laptop and other digital resources

Thank You/Any Questions?

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