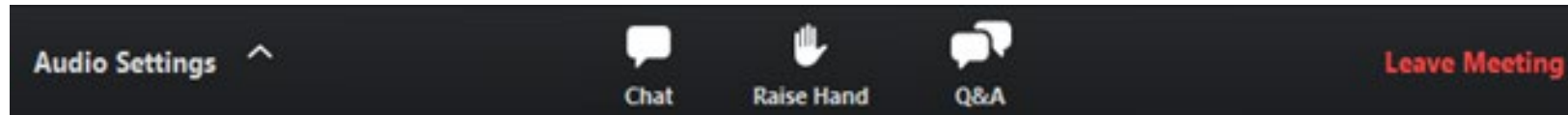


Welcome to the meeting. We will begin shortly.



Type a comment/question in Q&A (only seen by organizers)

Type a comment/question in the chat (can be seen by all)

A window titled 'Q&A' with a light gray background. It displays a question 'You asked: What happens when I raise my hand?' with a timestamp '18:03'. Below it is an answer 'Molly Parker answered: I can take you off of mute.' with a timestamp '18:04'. At the bottom, there is a text input field with the placeholder 'Please input your question', a checkbox labeled 'Send Anonymously', and a blue 'Send' button.

Questions and comments can be entered in the Q&A field

A woman with curly hair, wearing blue scrubs, is seated at a desk in a clinical or office environment. She is looking down at a keyboard, with her hands positioned to type. In the background, there are computer monitors, a desk lamp, and various office supplies. The scene is brightly lit, suggesting a window nearby.

CTC Registry Training Webinar Series

Getting Started with the CTC Registry: From Enrollment to Performance Review

NRDR

CTCTM

**CT COLONOGRAPHY
REGISTRY**

AMERICAN COLLEGE OF RADIOLOGY

Moderator



Zach Smith

Sr. Quality Programs Assistant, ACR

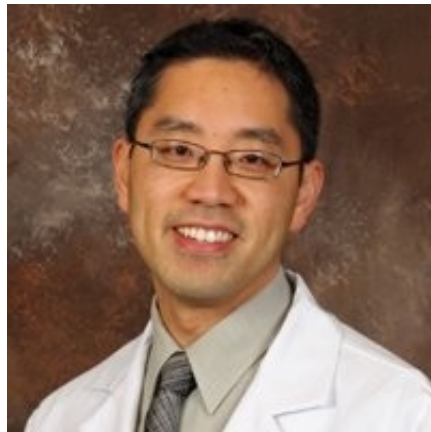
Speakers



Courtney C. Moreno, MD

Chair, CTC Registry Committee

Associate Professor of Radiology, Emory University
School of Medicine



Kevin Chang, MD, FACR, FSAR

Director of MRI, Dept. of Radiology, Boston University
Medical Center

Associate Professor of Radiology, Boston University
School of Medicine

Speakers



Mariya Kobi, MD

Associate Professor, Montefiore Medical Center



Thomas Law, RN

Patient Navigator, UT Southwestern Medical Center

Speakers



Priya Sharma

Associate Q&S Operations Specialist, ACR



Lu Meyer

Sr. Quality Program Specialist, ACR



Mike Simanowith

Director of Registries, ACR

Disclosures

- Nothing to disclose

Using the Zoom Interface

The diagram illustrates the Zoom interface components and their functions. At the top, a dark bar contains the 'Audio Settings' button with an upward arrow, and three icons: 'Chat' (speech bubble), 'Raise Hand' (hand), and 'Q&A' (two speech bubbles). To the right of these icons is a red 'Leave Meeting' button. Below this bar, a window titled 'Q&A' is shown. It contains a log of activity: 'You asked: What happens when I raise my hand? 18:03' and 'Molly Parker answered: I can take you off of mute. 18:04'. Below the log is a large text input area with the placeholder 'Please input your question'. At the bottom of this window are a 'Send Anonymously' checkbox and a blue 'Send' button. Three arrows point from text labels to the interface: one from 'Type a comment/question in Q&A (only seen by organizers)' to the Q&A icon; one from 'Type a comment/question in the chat (can be seen by all)' to the Chat icon; and one from 'Questions and comments can be entered in the Q&A field' to the input area of the Q&A window.

Audio Settings ^

Chat Raise Hand Q&A Leave Meeting

Type a comment/question in Q&A (only seen by organizers)

Type a comment/question in the chat (can be seen by all)

Questions and comments can be entered in the Q&A field

Q&A

You asked: 18:03
What happens when I raise my hand?

Molly Parker answered: 18:04
I can take you off of mute.

Please input your question

☐ Send Anonymously Send

Learning Objectives – What We Will Cover

After completing this webinar, you should be better able to:

1. Describe how to use the NRDR and CTC Registry to begin to operationalize CTC Registry participation at your institution.
2. Explain how to enter or upload complete data into the CTC Registry and the connection between entering accurate, complete, and timely data for maximizing the value of registry participation.
3. Recognize registry reports that can be used for peer comparison and to help target areas for quality improvement.

Registry Participation – Poll

What motivated you to join this webinar?

- How the enrollment process works
- How much cost and staff time it takes
- How the registry supports quality improvement
- How sending data to the registry support CMS reimbursement

NRDR Support

- Access detailed information
 - Pertaining to all registries
 - Registry specific
- Submit a ticket for customer service support

nrdrsupport.acr.org

acr.org/CTC

NRDR - National Radiology Data Registry Support

Welcome Login Sign up

Home Solutions

How can we help you today?

Enter your search term here... SEARCH

+ New support ticket
Check ticket status

Knowledge base

NRDR - Overview

Benefits of Participation (3)

- Introducing the NRDR
- Benefits For Clinicians
- About the NRDR Knowledge Base

Support for CMS Regulations (3)

- Key Dates and Milestones
- Merit-based Incentive Payment System (MIPS)
- MIPS Educational Material

Features of Individual NRDR Registries (9)

- CDS Registry (CDSR)
- CT Colonography Registry (CTC)
- Dose Index Registry (DIR)
- General Radiology Improvement Database (GRID)
- Interventional Radiology Registry (IR)
- » See all 9 articles

Announcements (11)

- NRDR 13.8 Release Notes

NRDR Portal Login

Need assistance?

[Visit NRDR Support](#) to view the Knowledge Base user guide or place a help ticket

NRDR Support

The image displays the NRDR support portal interface. On the left, a 'Submit a ticket' modal form is open, featuring the following fields:

- Subject ***: A text input field.
- Description**: A rich text editor with formatting options (B, I, U, list, link, unlink, image, video, etc.).
- + Attach a file**: A link to upload files.
- Requester's Email ***: A text input field.
- Support Team ***: A dropdown menu with 'NRDR' selected.
- Facility Name**: A text input field.
- Facility ID # (Providing ID # will provide a faster response)**: A text input field.
- Registry and Databases ***: A dropdown menu.
- Submit** and **Cancel** buttons at the bottom.

On the right, the main portal page is visible. It includes a header with 'Welcome', 'Login', and 'Sign up'. A navigation bar contains 'Home' and 'Support'. A search bar is labeled 'SEARCH'. A red box highlights the '+ New support ticket' button, with a red arrow pointing from it towards the text 'Example: Placing a Ticket'.

**Example:
Placing a Ticket**

NRDR Support

Example: Knowledge Base Search

The screenshot shows a search interface with the query 'ctc start up' entered. The search results list three items: 'CTC Registry Start up Guide' (START UP GUIDES), 'CT Colonography Registry (CTC)' (FEATURES OF INDIVIDUAL NRDR REGISTRIES), and 'CTC Registry Summary of Data Submitted Report' (CTC REPORTS). A red box highlights the search bar, and a red arrow points from it to the 'CTC Registry Start up Guide' result. Below the search results, the 'CTC Registry Start up Guide' is displayed with a breadcrumb trail: 'Solution home / NRDR - Getting Started / Start up Guides'. The guide is dated 'Modified on: Thu, 24 Jun, 2021 at 2:37 PM'. The main content of the guide includes a welcome message, a list of steps for getting underway with the CTC Registry, and a request for feedback. A 'Related Articles' sidebar on the right lists several other documents, including 'CT Colonography Registry (CTC)', 'Web-based Data Transmission for NRDR', 'CTC Facility Aggregate Report', 'Add Records to Facility Dictionaries', '01/16/2019 NRDR 13.3', 'CTC Physician Aggregate Report', 'CTC Data Dictionary', 'CTC Data Submission Overview', '3D Printing (3DP) Registry Start up Guide', and 'CTC Available Reports'.

How can we help you today?

ctc start up

SEARCH

CTC Registry Start up Guide START UP GUIDES

CT Colonography Registry (CTC) FEATURES OF INDIVIDUAL NRDR REGISTRIES

CTC Registry Summary of Data Submitted Report CTC REPORTS

Solution home / NRDR - Getting Started / Start up Guides

CTC Registry Start up Guide

Modified on: Thu, 24 Jun, 2021 at 2:37 PM

Thank you for your interest in joining the CT Colonography (CTC) Registry! We hope this step-by-step Start-up Guide helps you to get underway with submitting your data and to obtain the most value out of your registry participation.

The following steps pertain to getting underway with the CTC Registry and include links to articles in [Knowledge Base](#), the National Radiology Data Registry (NRDR) user guide.

The NRDR Team welcomes suggestions for how we can improve this guide and your overall experience with CTC Registry start up and ongoing participation. Please send your suggestions

Related Articles

- [CT Colonography Registry \(CTC\)](#)
- [Web-based Data Transmission for NRDR](#)
- [CTC Facility Aggregate Report](#)
- [Add Records to Facility Dictionaries](#)
- [01/16/2019 NRDR 13.3](#)
- [CTC Physician Aggregate Report](#)
- [CTC Data Dictionary](#)
- [CTC Data Submission Overview](#)
- [3D Printing \(3DP\) Registry Start up Guide](#)
- [CTC Available Reports](#)

CTC Registry Survey Results

- Survey was issued to radiologists and others involved in CTC screening asking about their experience using the registry and reasons for participation
- Active users are satisfied, with the majority very likely to renew participation and rating it a very good experience
 - Active users impressed by the ease of setting up registry participation and customer support
- Potential users' main reasons for considering the registry:
 - Provide data to encourage CMS reimbursement
 - Internal quality improvement
- Guidelines for exam volume – there is no minimum



Registry Start-up Guide

- This guide includes step-by-step instructions for preparing for and beginning participation with the CTC Registry and includes links to articles in the NRDR Knowledge Base.

[Solution home](#) / [NRDR - Getting Started](#) / [Start up Guides](#)



CTC Registry Start up Guide

Modified on: Fri, 26 Mar, 2021 at 5:42 PM

Thank you for your interest in joining the CT Colonography (CTC) Registry! We hope this step-by-step Start-up Guide helps you to get underway with submitting your data and to obtain the most value out of your registry participation.

The following steps pertain to getting underway with the CTC Registry and include links to articles in [Knowledge Base](#), the National Radiology Data Registry (NRDR) user guide.

The NRDR Team welcomes suggestions for how we can improve this guide and your overall experience with CTC Registry start up and ongoing participation. Please send your suggestions and comments to NRDRSupport@acr.org.

I. Assemble Your Team

Bringing together a team comprised of individuals who can contribute varied expertise will help ensure a successful launch and continued operation of the CTC Registry at your institution. Examples of potential roles (some individuals may have multiple roles) are briefly described below.

- **Physician Champion:** oversees the registry implementation process and ongoing participation efforts. The champion likely would be an abdominal radiologist involved with quality improvement efforts
- **Data Coordinator:** enters case data into the online CTC forms. This should be someone very familiar with CTC procedures such as a lead technologist or nurse
- **Information Technology (IT) Specialist:** interfaces with multiple hospital

Assemble Your Team

- Physician Champion: reviews CTC imaging protocols to ensure compliance and reviews dictation template for the inclusion of necessary data points
- Data Coordinator: manages data collection and submission to the CTC registry. Depending on your practice, you may find that a CT technologist, nurse navigator, or CTC coordinator may be the best fit for this role on your team
- NRDR Administrator(s): set up and manage registry accounts and assign NRDR user profiles to team members depending upon need to enter data, review reports, etc.

Get Your Team Signed Up with ACR Login

- ACR Login provides enhanced data security, making it harder for user accounts to become compromised.
 - Employs “Single Sign On” technology and Multifactor Authentication (MFA).
 - MFA necessitates users entering an additional piece of information when logging in – like what most banks require for log in.

Complete the Application Process and Create an NRDR Account

- Facilities new to NRDR wishing to participate in the CTC Registry must complete the application process. NRDR Knowledge Base articles provide step-by-step instructions.
- Items You'll Need to Register
- The Application Process
 - If already participating in NRDR, the Corporate Administrator would be able to submit an addendum application and CTC registration will automatically be accepted once submitted



Costs

- One-time application fee (\$500) for NRDR portal plus annual fee based on number of radiologists and number of sites.
- Participation in DIR and/or GRID registries provides **Full registry access** at no additional cost.

- **Limited single database access** grants participation in just the CTC and the fee is calculated based on the number of physicians performing the activity relevant to the registry.

NRDR Annual Participation Fees for CTC, DIR, GRID, LCSR, and NMD
Effective January 1, 2015

Number of Radiologists	Number of Distinct Sites or Locations						
	1 – 5	6 – 15	16 – 25	26 – 35	36 – 45	46 – 55	> 55
1 – 5	\$500	\$1,000	\$2,500	\$4,000	\$5,500	\$7,000	\$8,500
6 – 15	\$750	\$1,250	\$2,750	\$4,250	\$5,750	\$7,250	\$8,750
16 – 25	\$1,000	\$1,500	\$3,000	\$4,500	\$6,000	\$7,500	\$9,000
26 – 35	\$1,250	\$1,750	\$3,250	\$4,750	\$6,250	\$7,750	\$9,250
36 – 45	\$1,500	\$2,000	\$3,500	\$5,000	\$6,500	\$8,000	\$9,500
46 – 55	\$1,750	\$2,250	\$3,750	\$5,250	\$6,750	\$8,250	\$9,750
> 55	\$2,000	\$2,500	\$4,000	\$5,500	\$7,000	\$8,500	\$10,000

Become Familiar with Options for Submitting Data

- Manual data entry
 - This method requires you to enter data case by case into the Case Registration and Exam forms.
- Flat file upload
 - The data for multiple facilities can be submitted via a flat file upload to the registry.
- Web-based data transmission
 - This method allows you to send data directly from your software vendor or IT department.



Which Method Should You Use?

- Manual data entry
 - Quickly enter a few records
 - Pull in demographics from previous visits
 - Immediate error detection
 - Change documentation
- Flat file upload
 - Enter many records at a time
 - Get statistics from the “Upload Errors Report”
 - Next-day error detection
- Web services (electronic) data transmission
 - IT infrastructure required
 - No manual effort after initial setup




Data Submission Options

- Step by step entry of a demo patient/exam into web form
 - Video demo
 - Considerations for when to use this option, e.g., volume of exams
 - Benefits

Data Submission Options

- Overview of excel spreadsheet submission
 - Video demo
 - Considerations for when to use this option, e.g., volume of exams
 - Benefits
 - Streamlined for larger case volume
 - Able to run Upload Errors report
- Overview of web services



Facility ID		
Error Type	100853	Total
Warning. At_Least_One_Polyp_Ge_10_mm is required for completing an exam record (Exam stage)	5	5
Warning. Colonic_Perforation is required for completing an exam record (Exam stage)	5	5
Warning. Did_Technique_Meet_ACR_Guidelines is required for completing an exam record (Exam stage)	3	3
Warning. Interpreting_Physician_NPI is required for completing an exam record (Exam stage)	3	3
Warning. Type_Of_Study is required for completing an exam record (Exam stage)	3	3



Data Submission Frequency

- At least every quarter
- Deadline for submission is one month after the end of the quarter
- Reports are calculated cumulatively

Data Completeness and Validity

- Correcting or updating data entry
 - For data submitted using online case forms
 - For data submitted using flat file upload
- How the registry lets you know which exams are missing required fields
- Resolving conflicts between uploaded data and data shown in reports

Data Security

- PHI is encrypted
- Social Security Numbers are not required
- Patient consent is not required

Review Your Reports

CTC Available Reports

Modified on: Wed, 22 Sep, 2021 at 1:17 PM

The following reports are available for the CTC registry. Click on a link for more information about each report.

Report	What the Report Shows	Freq.	User
NRDR Portal Operational Reports			
Accrual	Number of cases registered, cancelled, in progress and completed for the user's facility	Ad hoc	Facility & Registry Admin.
Case Status	Patient ID, physician, case status, and form submission date for each case		All
Case Detail	Most data elements from each case, with one row per case		
Metrics	Summarized case metrics (e.g. True Positive Rate), similar to those available in aggregate reports		
Data Export	Raw data from <i>Case Registration</i> and <i>Exam</i> forms submitted to registry; can be exported to Excel		
PDF Reports			
Facility Aggregate Report	Aggregate data for facility compared to other sites and entire registry Sample Facility Aggregate Report	Quarterly	All
Physician Aggregate Report	Aggregate data for each physician (by NPI) in user's facility compared to other sites and entire registry Sample Physician Aggregate Report		
Interactive Tableau Reports			
CTC Registry Measures - Aggregate Report	Aggregate measure data for facility comparisons and annual trends	Ad hoc	All
Summary of Data Submitted	All case data submitted filterable by facility, date range, case status and patient age.	Ad hoc	Facility & Registry Admin. Facility Users

“Old” Operational Reports

- Case/Submission counts
- Retiring in Dec 2021 - Replaced by Interactive Summary of Data Submitted

Aggregate .pdf reports

- Quarterly (pt in time) comparison
- Facility & Physician Level

“New” Interactive reports

- “Real Time” / On-demand
- Data submission validation
- Facility Summary Comparison

Review Your Reports

CTC Available Reports

Modified on: Wed, 22 Sep, 2021 at 1:17 PM

The following reports are available for the CTC registry. Click on a link for more information about each report.

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PDF Reports			
Facility Aggregate Report	Aggregate data for facility compared to other sites and entire registry Sample Facility Aggregate Report	Quarterly	All
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Interactive Tableau Reports			
CTC Registry Measures - Aggregate Report	Aggregate measure data for facility comparisons and annual trends	Ad hoc	All
Summary of Data Submitted	All case data submitted filterable by facility, date range, case status and patient age.	Ad hoc	Facility & Registry Admin. Facility Users

Aggregate .pdf reports

Aggregate Reports

Filter

Registry: CTC

Report Category: All

Upload Date: (mm/dd/yyyy) to (mm/dd/yyyy)

Search

Published Aggregate Reports

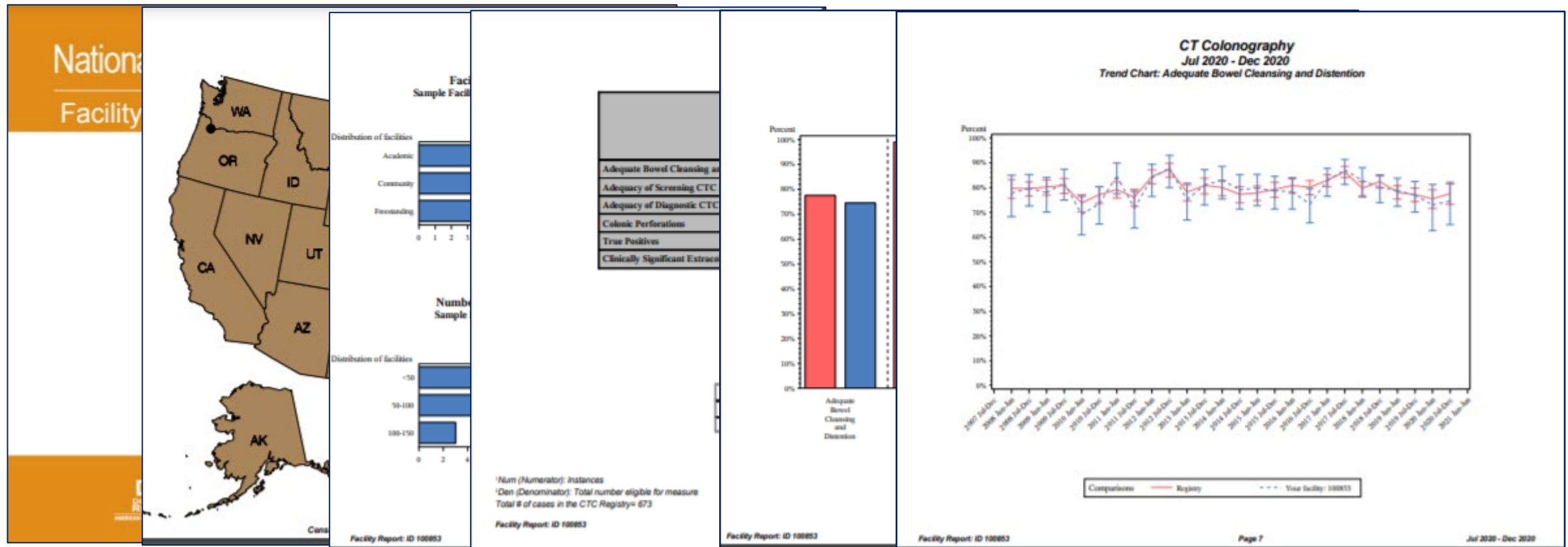
Registry	Report Category	File Name	Description	Upload Date/Time	Actions
CTC	Corporate Account	CTC_100000_FacilityReport_2016Q4.pdf	CTC Report 3	03/22/2017 17:29:56	Download
CTC	Corporate Account	CTC_100000_FacilityReport_2016Q4.pdf	CTC Report	03/22/2017 17:22:19	Download

ACR NRDR Homepage
Super Corporate Account Information
Corporate Account Management Financial
Corporate Account Management Operational
Facility Management
Aggregate Reports
Facility Information
Link Exam to Facility
Merge Patients Upload
Manage User Accounts
Manage User Profiles

Facility Aggregate Report

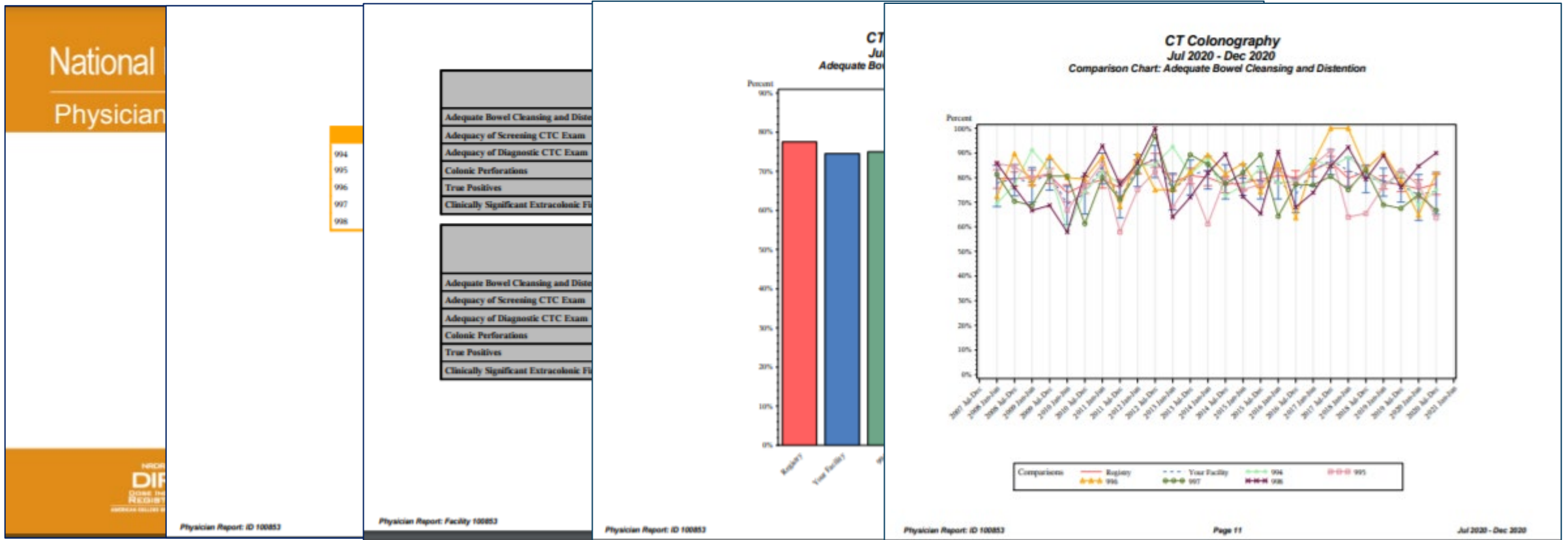
- Quarterly
- Point in Time – **facility** level comparison

- .pdf “Printable”



Physician Screening Report

- Quarterly
- Point in Time – **physician** level comparison
- .pdf “Printable”



Review Your Reports

CTC Available Reports

Modified on: Wed, 22 Sep, 2021 at 1:17 PM

The following reports are available for the CTC registry. Click on a link for more information about each report.

Report	What the Report Shows	Freq.	User
NRDR Portal Operational Reports			
Accrual	Number of cases registered, cancelled, in progress and completed for the user's facility	Ad hoc	Facility & Registry Admin.
Case Status	Patient ID, physician, case status, and form submission dates for each case		All
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Interactive Tableau Reports			
CTC Registry Measures - Aggregate Report	Aggregate measure data for facility comparisons and annual trends	Ad hoc	All
Summary of Data Submitted	All case data submitted filterable by facility, date range, case status and patient age.	Ad hoc	Facility & Registry Admin. Facility Users


"Old"
Operational
Reports

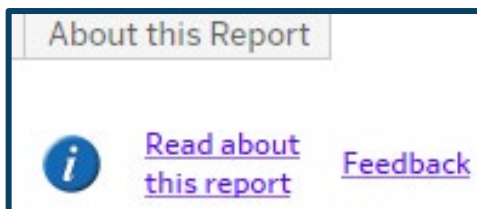
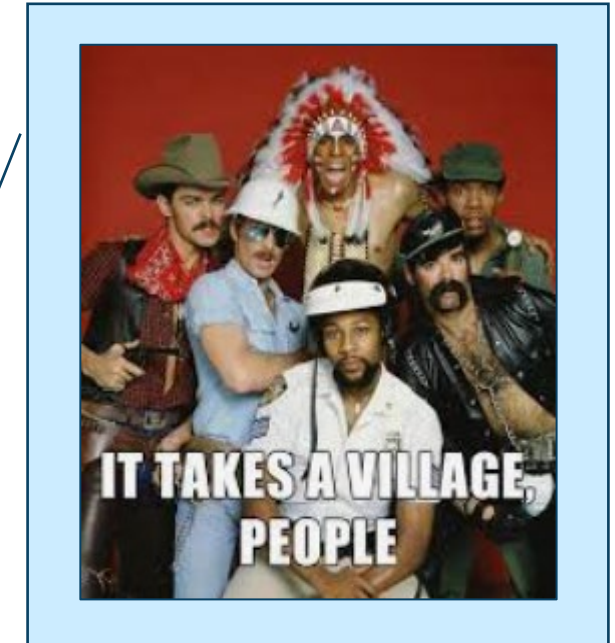
"New"
Interactive
Reports

ACR NRDR Homepage
Super Corporate Account Information
Corporate Account Management Financial
Corporate Account Management Operational
Facility Management
Quality Improvement Registries
CDSR
CTC Registry
DIR
GRID
LCSR
MIPS Participation Portal
NMD
Pilot and Research Registries
Portal Management
Dictionaries and Settings
My Account
Change Account Details

CTC Registry
ACR NRDR Homepage
About the CTC Registry
Forms and Data Dictionary
CTC Forms
CTC Data Dictionary
Data Collection
Data File Process Status
Case Registration Forms
Exam Forms
CTC Data Submission Overview
Reports
Operational Reports
Accrual
Case Status
Case Detail
Metrics
Upload Errors Report
Interactive Reports
Measures - Aggregate Report
Summary of Data Submitted

Interactive Reports: Overview

- Available on-demand
- Near real-time (~1-2 days after submission)
- Ability to investigate own data
 - Filtering (date range, patient age, case status)
 - Hover over/drilldown capability
 - Download data for local analysis (excel, .csv)
- **Minimum criteria for benchmarking (5 sites, 20 cases)** 
- Assistance & Feedback links – how to navigate and interpret report



The CTC Summary of Data Submitted report provides an overview of data flowing into the registry. The report contains the following interactive charts:

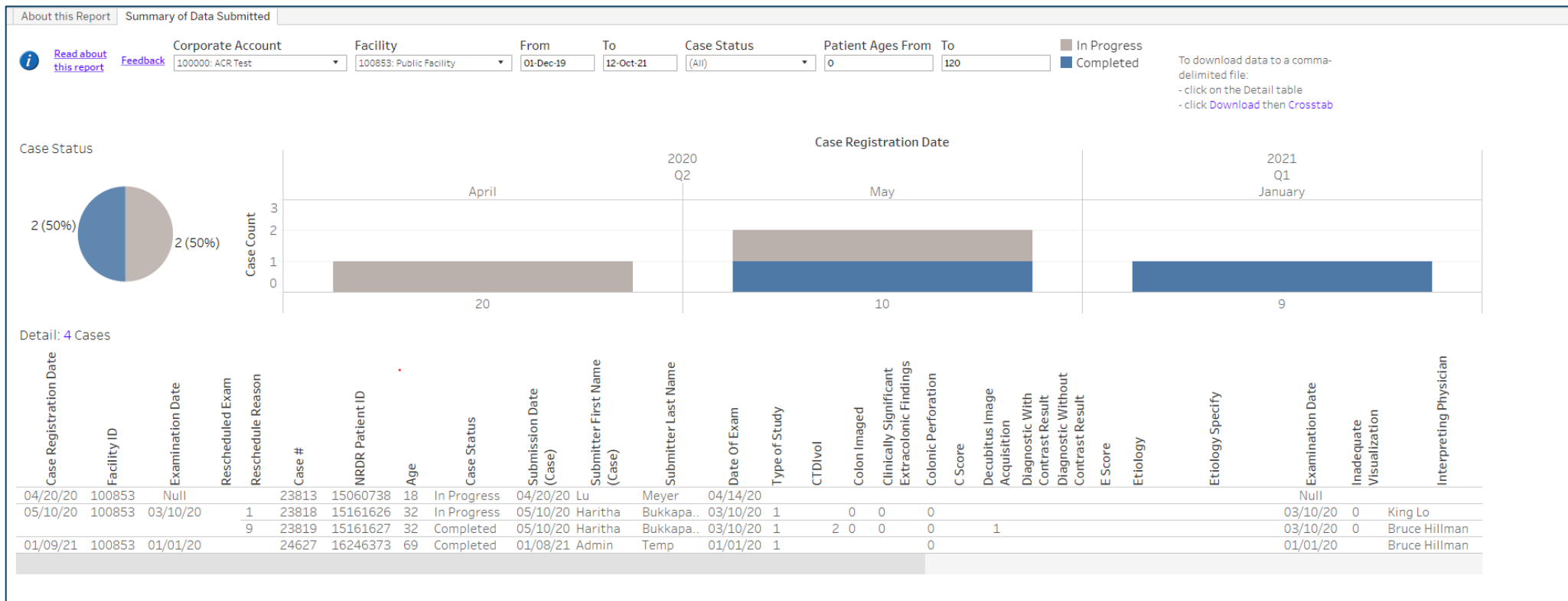
- The Case Status pie chart displays the proportion of cases that are In Progress and Completed
- The Case Registration Date bar chart shows the number of cases by registration date, color coded by status
- The Detail table shows various Case and Exam fields for the selected data.

Filters and Interactive Functions

The [Corporate Account](#), [Facility](#), and [From/To date](#) filters define the criteria for data retrieval.

Interactive Reports: Summary of Data Submitted Report

- Review for correct upload of data (# and date of cases as expected)
- Review completeness and accuracy of fields



Interactive Reports: Measures Aggregate Report

Measure	Description
Rate of Adequacy of Screening CTC Examination	Percentage of screening exams with adequate data acquisition/technique for CTC (a screening exam refers to an exam in which the patient is asymptomatic)
Rate of Adequacy of Diagnostic CTC Examination	Percentage of diagnostic exams with adequate data acquisition/technique for CTC (a diagnostic exam refers to any exam other than a screening exam)
Rate of Colonic Perforation	Percentage of exams with colonic perforation
True Positive Rate	Percentage of exams with confirming colonoscopies for a ≥ 10 mm polyp detected by CTC
Potentially Important Extracolonic Findings	Percentage of exams resulting in potentially important extracolonic findings
CT Dose Index volume (CTDIvol)	Average CTDIVol, per exam

Using Reports for Quality Improvement Initiatives

- Set quality improvement goals
- Evaluate true positive rate
- Compare C-RADS scores to national benchmarks
- Educate referring providers

Q&A



NRDR Help Desk



WHEN YOU GET TO THE
END OF YOUR ROPE

- **Email:** NRDRSupport@acr.org
- **Phone:** 1-800-227-5463 x3535
- **Web:** <https://nrdrsupport.acr.org>

Engaging with CTC Registry

- NRDR Knowledge Base
 - <https://nrdrsupport.acr.org/support/home>
- Join the CTC Registry
 - <https://nrdrsupport.acr.org/support/solutions/articles/11000102728-ctc-registry-start-up-guide>
- Future webinars
 - Stay tuned for more webinars in the CTC Registry Training Series

CE Credit Claiming

CE Credit claiming instructions will be sent to you via email from alacount@acr.org following the activity, by October 29, 2021. Please click on the link and follow the instructions in the email to claim your credit, complete the activity evaluation, and receive your certificate. All evaluations and credit claiming requests must be completed no later than **11:59 EDT, Friday, January 21, 2022**.

For questions regarding the credit claiming of this activity, please contact Alexis LaCount: alacount@acr.org.