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)

Questions and comments can be entered in the Q&A field
CTC Registry Training Webinar Series

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

NRDR

CTC

CT Colonography Registry

AMERICAN COLLEGE OF RADIOLOGY
Moderator

Zach Smith
Sr. Quality Programs Assistant, ACR
Speakers

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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

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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
Example: Placing a Ticket
NRDR Support

Example: Knowledge Base Search

CTC Registry Start up Guide

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...
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.
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.

<table>
<thead>
<tr>
<th>Number of Radiologists</th>
<th>Number of Distinct Sites or Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – 5</td>
<td>$500</td>
</tr>
<tr>
<td>6 – 15</td>
<td>$750</td>
</tr>
<tr>
<td>16 – 25</td>
<td>$1,000</td>
</tr>
<tr>
<td>26 – 35</td>
<td>$1,250</td>
</tr>
<tr>
<td>36 – 45</td>
<td>$1,500</td>
</tr>
<tr>
<td>46 – 55</td>
<td>$1,750</td>
</tr>
<tr>
<td>&gt; 55</td>
<td>$2,000</td>
</tr>
</tbody>
</table>
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
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

“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

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

<table>
<thead>
<tr>
<th>Report</th>
<th>What the Report Shows</th>
<th>Freq.</th>
<th>User</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accrual</td>
<td>Number of cases registered, cancelled, in progress and completed for the user's facility</td>
<td>Facility &amp; Registry Admin.</td>
<td>Ad hoc</td>
</tr>
<tr>
<td>Case Status</td>
<td>Patient ID, physician, case status, and form submission dates for each case</td>
<td>All</td>
<td>All</td>
</tr>
<tr>
<td>Case Detail</td>
<td>Most data elements from each case, with one row per case</td>
<td>All</td>
<td>All</td>
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<tr>
<td>Metrics</td>
<td>Summarized case metrics (e.g. True Positive Rate), similar to those available in aggregate reports</td>
<td>All</td>
<td>All</td>
</tr>
<tr>
<td>Data Export</td>
<td>Raw data from Case Registration and Exam forms submitted to registry, can be exported to Excel</td>
<td>Facility &amp; Registry Admin. Facility Users</td>
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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

- **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
  - All

### Interactive Tableau Reports

- **CTC Registry Measures - Aggregate Report**
  - Aggregate measure data for facility comparisons and annual trends
  - All

- **Summary of Data Submitted**
  - All case data submitted filterable by facility, date range, case status and patient age
  - Facility & Registry Admin. Facility Users

### Aggregate Reports

[Click here](https://nrdrsupport.acr.org/support/solutions/articles/11000039163-ctc-available-reports) for more information on aggregate reports.
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

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**Interactive Tableau Reports**
- CTC Registry Measures - Aggregate Report
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  - Ad hoc
  - All

- Summary of Data Submitted
  - All case data submitted filterable by facility, data range, case status and patient age
  - Ad hoc
  - Facility & Registry Admin. Facility Users

"Old" Operational Reports

"New" Interactive Reports
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
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

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

- 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.