NRDR Introduction to Various Databases
By
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Data Registries, ACR
Introduction to NRDR’s Data Registries

- What are the individual databases?
- How is data transmitted from your facility to our central server?
- What is the Registration Process?
  - Register your facility on-line at the NRDR portal
  - Submit a signed participation agreement and BAA
  - Fee structure
- NRDR QCDR
- Where to locate reports once you have begun to submit data?
- What will your facility aggregate (feedback) report look like?
- How to publicize your involvement in a patient safety registry using the Marketing Tool Kit.
Guiding principle behind registries

**Goal:** To **empower** facilities and physicians to **monitor and improve quality**, and to do so **easily** and **correctly**.
Participation process

Sign Participation Agreement and complete registration form

Get set up and send data

Install software/Designate person to upload data

Obtain reports

Recall rate and PPV2

SSDE for CT ABD PELVIS W IVCON
Fee Schedule for participation

One time Registration fee of $500

Annual fee on sliding scale, based on practice size

*BICOE facilities receive NMD registration at no cost indefinitely

*DICOE facilities receive DIR and GRID registration at no cost for 3 years

2014 annual fee for participation in NRDR (including NMD, CTC, ICE*, GRID, and DIR, and excluding NOPR) for participants with 5 sites or fewer:

<table>
<thead>
<tr>
<th>Number Of Radiologists</th>
<th>1-5 Sites</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>

2014 annual fee for participation in NRDR (including NMD, CTC, ICE*, GRID, and DIR, and excluding NOPR) for participants with more than 5 sites:

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

*For facilities participating in ICE only, the participation fee is a one-time fee, rather than an annual fee, and covers participation in ICE only for three years. This is in addition to the one-time $500 registration fee for new NRDR participants.
Registration Process & Fees
(Single facility and Multi-Center Facility)

Registration Process and Fee Structure

If you would like to participate in any of the NRDR registries, please do the following in the specified order:

1. Register your facility as follows:
   - Complete the Register New Facility Form to obtain a valid account and a corresponding facility ID number.
   - Choose a single person at your facility to be the Facility Administrator. If the Facility Administrator uses email filtering software, then he or she should ensure that the software will accept messages from nrdr@acr.org.
   - Multi-Center facilities will need to register ‘master’ and ‘child’ facilities. A multi-center facility guide has been provided to assist you with organization of many facilities contributing data under one corporate entity name.

   Facilities which have completed the Register New Facility Form will receive an email confirmation. The confirmation contains information pertinent to logging in to the NRDR website to complete the Registration Information Form for each registry in which the facility wishes to participate, specifically, CTC, DIR, GRID, ICE or NMD.

2. Send us a signed copy of the NRDR Participation Agreement by email (nrdr@acr.org), fax or mail. The NRDR address and contact information is below. Add your facility ID to the cover page of the participation agreement. If you do not have a facility ID, please return to Step 1 above to complete your registration(s).

   Due to NOPR’s separate function as part of the CMS reimbursement process, the registration procedure for NOPR is independent of the registration procedure for NRDR. Registrations for NOPR must be submitted separately. Fees for participating in NRDR do not include NOPR participation. Registrations for NOPR may be submitted using the PET Facility Pre-Registration Form.

3. Submit data to the selected databases. Note: We cannot accept data until after we have a signed participation agreement on file (Step 2).

4. Submit payment for the electronic invoice you’ll receive when you register. The fee schedule is described below. You will have the opportunity to pay for NRDR registration fees either by credit card or check. Checks may be sent to the NRDR address listed below.

   NEW! For the new Qualified Clinical Data Registry option

   The registration form to declare intent for PQRS reporting will be available soon.

   The reporting fee for reporting performance measures to CMS for PQRS will be as follows:

   - For physicians at facilities registered in NRDR with a signed Participation Agreement by June 30, 2014
     - No reporting fee, only NRDR participation fee

   For physicians at facilities that register on or after July 15, 2014, the following reporting fees will apply (in addition to NRDR participation fees)

   - ACR Member rate: $199 per physician per year
   - Nonmember rate: $299 per physician per year

   NRDR Participation Fee Schedule: There is a one-time facility registration fee of $500 for NRDR (not including NOPR). In addition, there is an annual fee based on the number of radiologists practicing at a facility and the number of sites included in a facility. The 2014 annual fee is determined as follows:

   2014 annual fee for participation in NRDR (including NMD, CTC, ICEs, GRID, and DIR, and excluding NOPR) for participants with 5 sites or
NRDR Homepage

National Radiology Data Registry

Comparing practice performance to regional and national benchmarks is an important tool for improving the quality of patient care. The ACR National Radiology Data Registry (NRDR) will help your facility benchmark outcomes and process-of-care measures and develop quality improvement programs. About NRDR.

Registration Process and Fee Structure

NRDR PQRS Qualified Clinical Data Registry

The Centers for Medicare and Medicaid Services has approved the ACR National Radiology Data Registry as a Qualified Clinical Data Registry (QCDR) for the CMS Physician Quality Reporting System (PQRS) in the 2014 program year. Please click here for more information on using NRDR for PQRS reporting.

CT Colongraphy Registry

Designed to promote quality of care for patients undergoing CT colongraphy, the CTC registry provides evidence-based health outcomes and process data for decision-making purposes. The registry allows facilities to compare their results to regional and national benchmarks for quality improvement.

Dose Index Registry

The DIR allows facilities to compare their CT dose indices to national and institutional volume frequency dose indices.

NRDR PARTICIPANTS

USER LOGIN
Password Tips

2014 ACR DATA REGISTRIES FORUM
October 28, 2014
Reston, VA, and online via webinar
Facilities participating in ACR registries, potential registry participants, and policy-makers will learn about using registries to proactively manage quality and document performance.
Be a Presenter at the 2014 Forum »
Learn More & Register »

CONTACT US
If you have questions about any of our registries, please contact us.
Email: nrdr@acr.org
Phone: 1-800-227-5663 x3335
NRDR Homepage

Location of Necessary Documents

NRDR RESOURCES
- Master-Child User Guide
- New Facility Registration
- Registration Process and Fee Structure
- NRDR Introduction Webinar to DIR
- NRDR Introduction to GRID, NMD, CTC, and ICE Webinar
- NRDR Participation Agreement
- NRDR PQRS Addendum
- NRDR FAQ
- IRB Exemption
- NRDR User Guide
- NRDR Brochure
- Using NRDR as an ABR PQI project
- Representative List of NRDR Facilities

IV Contrast Extravasation
ICE is a practice quality improvement project focused on CT IV contrast extravasation rates sponsored jointly by the ACR and the Society of Abdominal Radiology. This project collects data from institutions across the US to provide a meaningful way to compare practice performance in areas of quality and patient safety with national benchmarks.

National Mammography Database
The NMD leverages data that radiology practices are already collecting by providing comparative information for national and regional benchmarking. Participants receive semi-annual...
The NRDR User Guide is designed to help you through the registration process. 

https://nrdr.acr.org/Portal/Nrdr/Main/NewFacilityRegistration/page.aspx
The New Facility Registration Page using the NRDR Portal (Contd.)

3. Please include my facility in the list on the website of registered NRDR facilities

4. * Security Text
   Enter the code you see on the image:
   ![Image with code 679691]

[Register button]

Registration

How many radiologists and other physicians interpret images at your facility? 0 [must be -> 0]

How many perform CT colonography? 0 [Not Applicable]

How many perform mammography exams? 0 [Not Applicable]

How many want to use ICE as an ABR PQI project? 0 [Not Applicable]

How many sites (locations) does your facility include? 0 [must be ->1]

[Continue button]

Please check the registries in which you would like to participate:

<table>
<thead>
<tr>
<th>Registry</th>
<th>Physicians</th>
<th>Fee</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRDR</td>
<td></td>
<td>$1500.00</td>
<td></td>
</tr>
<tr>
<td>DIR*</td>
<td>7</td>
<td>$375.00</td>
<td>June 2014 - December 2014</td>
</tr>
<tr>
<td>GRID*</td>
<td>7</td>
<td>$375.00</td>
<td>June 2014 - December 2014</td>
</tr>
<tr>
<td>NMD</td>
<td>3</td>
<td>$250.00</td>
<td>June 2014 - December 2014</td>
</tr>
<tr>
<td>PQRS Measure Participation**</td>
<td>7</td>
<td>$0</td>
<td></td>
</tr>
<tr>
<td>All registries***</td>
<td>7</td>
<td>$375.00</td>
<td>June 2014 - December 2014</td>
</tr>
</tbody>
</table>

1. Participation in GRID or DIR makes you eligible to participate in all other registries at no additional cost. You may want to consider the "All registries" option instead.
2. The $1500 NRDR fee will be waived if you only choose to participate in the PQRS Measure Participation.
3. This rate applies to any combination of registries that includes GRID or DIR.

PLEASE NOTE: If you already participate in a registry, your cost of joining additional registries may be less than that shown above. Click Continue to view your actual cost.

[Continue, Cancel buttons]
The New Facility Registration Page using the NRDR Portal (Contd.)

**TOTAL INVOICE**

<table>
<thead>
<tr>
<th>Sites</th>
<th>Registry Name</th>
<th>Number of Physicians</th>
<th>Begin Date</th>
<th>End Date</th>
<th>Payment</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRDR</td>
<td>One-time registration fee</td>
<td></td>
<td></td>
<td></td>
<td>$500.00</td>
</tr>
<tr>
<td>CTC</td>
<td>5 physicians</td>
<td>June 2014</td>
<td>December 2014</td>
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<td></td>
</tr>
<tr>
<td>DIR</td>
<td>20 physicians</td>
<td>June 2014</td>
<td>December 2014</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>GRID</td>
<td>20 physicians</td>
<td>June 2014</td>
<td>December 2014</td>
<td>$0.00</td>
<td></td>
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<tr>
<td>ICE</td>
<td>2 physicians</td>
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<td>August 2017</td>
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<tr>
<td>NMD</td>
<td>3 physicians</td>
<td>June 2014</td>
<td>December 2014</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>PQRS</td>
<td>20 physicians</td>
<td>June 2014</td>
<td></td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>All registries</td>
<td>20 physicians</td>
<td></td>
<td></td>
<td>$500.00</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>$1,000.00</strong></td>
</tr>
</tbody>
</table>

And thank you for selecting the PQRS Measure Participation! The cost of this participation will depend on the number of physicians enrolled. The enrollment process will be available in the summer of 2014, please stay tuned.

Payment may be made by credit card through the NRDR Web site or by check. If paying by check please include your Facility ID# on the check and make it payable to NRDR. Please send the check and a copy of this invoice to:

American College of Radiology
1891 Preston White Drive
Reston, VA 20191-4397

If you have any questions or concerns, please contact the NRDR Administrator using the contact information below.

Lu Meyer
NRDR Administrator
American College of Radiology
1891 Preston White Drive
Reston, VA 20191-4397
USA
Phone: 703-648-8958
Fax: 703-264-5287
nrdr.acr.org

**Submit**

**Cancel**
User Roles

1. Facility Administrator:
   - **Only one** Facility Administrator is permitted
   - **Only facility administrator** receives the **invoices** each year and is responsible for sending **payment**.

2. Registry Administrator
   - >1 person is permitted

3. Facility User
   - >1 person is permitted
CTC: CT Colonography Registry

Registry Start date: January 2008

Data collection and transmission:
• Case Registration Form
• Exam Form
• Polyp (follow up) Form
• Transmission of data method: manual (web-based forms)
• Interactive Reports available: yes
DIR: Dose Index Registry

- Registry Start date: July 2011
- Allows facilities to compare their CT dose indices to regional and national values
- Institutions receive periodic feedback reports comparing their results by body part and exam type to aggregate results.
- Qualified by American Board of Radiology (ABR) for PQI project to fulfill the requirements in the ABR maintenance of certification program.

Data collection and transmission:
- Transmission of data method: Automated
- Interactive Reports available: yes
IV Contrast Extravasation Registry™

- Registry Start date: 2008
- Easy-to-complete PQI project for ABR MOC Programs
- Compare your practice patterns with the educational document provided by the SAR
- To determine if your practice needs to develop a protocol to implement an improvement plan

Getting Started
- Read the Introduction letter by Tom Dykes, MD for full instructions
- Project timeline is approximately one year and consists of 2 six-month periods of data collection & approx. 1 month of data review & analysis.

Data Submission
- You must list all participating physicians before you can submit data
- Transmission of data method: manual
- Interactive Reports available: no

Notice: The NRDR Steering Committee has decided to phase out the ICE registry. The last date for accepting new registrants will be December 31, 2014. Active participants will have up to two years after that date to finish their projects. The registry will be discontinued completely on December 31, 2016.
GRID: General Radiology Improvement Database

Registry Start date: September 2008
Database for collecting various patient experience information such as:
• Turn around times
• Patient wait time
• Adverse events

Data collection and transmission:
• Facility Form (annual)
• Monthly Data Form by Facility
• Monthly Data Form by Physician
• Transmission of data method: manual (web-based forms/flat files upload in specified formats)
• Interactive Reports available: no

*Reporting at the exam level will be offered this fall, 2014.
GRID: Continued

• Two levels of participation – Green and Gold. Green participants do not provide outcome measures, gold participants do.
• Explorations underway to further automate GRID data collection (collaborating with RIS and workflow tool vendors)
NMD: National Mammography Database

Registry Start date: July 2009

Database for collecting data such as cancer detection rate, positive predictive value rates and recall rate.

Data collection and transmission:
• Certified vendors
• Facility software using ACR specified template
• Transmission of data method: Automated
• Interactive Reports available: no
Data Elements: Which fields to submit

- We supply you with User Guides for Each Registry
- We provide an Element and / or Data Dictionary specific to each Registry
- We also provide webinars, sample reports and sample forms to help you become familiar with what you can expect.
Locating Feedback Reports

Step 1: Log in to NRDR

Step 2: Select the registry
Locating Feedback Reports (Contd.)

Step 3: Under Reports, locate the report option you want to review.

NOTE: Aggregate Feedback reports cannot be created on demand.
NRDR PQRS

- CMS has approved NRDR as a PQRS QCDR.
- Radiologists may use the NRDR QCDR to meet PQRS participation requirements.
- Feedback reports on your chosen measures will be provided on performance rates and compared to registry benchmarks 4 times a year.
- Physicians will review and approve measure data before it is submitted to CMS.
- Measure data will be submitted to CMS in March following the end of the reporting year.
NRDR PQRS (Contd.)

NRDR
The National Radiology Data Registry is a data warehouse for the registries listed below. The participating facility may choose to participate in any or all registries as appropriate for their practice. When available, registries are listed in descending order by their level of evidence.

CTC
The CT Colonography Registry collects measures critical to evaluating CT colonography procedures.

DIR
The Dose Index Registry (DIR) allows facilities to compare their CT dose indices to regional and national CT dose indices.

GRID
The General Radiology Imaging Index Registry collects process and outcome measures.

ICE
Intravenous iodinated contrast media is used for a wide variety of radiologic procedures. Intravascular contrast media can cause serious, even fatal, complications, if not used appropriately. The Society of Uroradiology has developed measures to help optimize the use of contrast agents.

PQRS Measure Participation

The National Radiology Data Registry is approved as a Physician Quality Reporting System (PQRS) Qualified Clinical Data Registry (QCIR) by the Centers for Medicare and Medicaid Services (CMS). Radiologists may use the NRDR QCIR to meet PQRS participation requirements by reporting one measure across three National Quality Strategy (NQS) domains, to include at least one outcome measure. Measures can be selected from a list of PQRS measures supported by the NRDR QCIR, and/or “non-PQRS” measures across the NRDR databases (CTC, DIR, GRID, ICE and NMD) for a total of nine. The measure lists with associated NQS domains and measure type are available for selection in this NRDR PQRS module.

Physicians participating in the NRDR QCIR will receive feedback reports at least four times per year that provide performance rates on their chosen measures and compared to registry benchmarks. Measure data will be submitted to CMS in March following the end of the reporting year. Physicians will review and approve measure data before it is submitted to CMS.

For more information on PQRS, visit these ACR webpages: http://www.acr.org/Quality-Safety/Quality-Measurement/PQRS or the CMS website: http://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/PQRS/index.htm#WhyMeasurePQRS.

Quality is Our Image
Contact us!

nrdr@acr.org
X3535

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Lu Meyer
Debapriya Sengupta
Mythreyi Chatfield