Welcome to the meeting. We will begin shortly.

If dialing in by phone, enter #, your Audio PIN, then #

Type your question into the text field under “Questions”
Learning Objectives

- Recognize how registry data can be used for facility benchmarking and quality improvement.
- Explain the connection between entering accurate, complete, and timely data for maximizing the value of registry participation.
- Upload complete data into the NMD and resolve validation and rejection errors to maximize the value of registry participation.
Moderator

Zach Smith
Sr. Quality Programs Assistant, ACR
Speakers

Robert D. Rosenberg, MD, FACR, FSBI
Chair of NMD Committee
Staff Radiologist, Radiology Associates of Albuquerque
Professor Emeritus, University of NM

Gretchen Merriss
Data Analyst, Clinical Radiologists
Speakers

Lu Meyer
Sr. Quality Program Specialist, ACR

Ryan Keefer
Associate Quality Program Specialist, ACR

Mike Simanowith
Director of Registries, ACR
Disclosures

- None
Ask Your Questions in the Chat

If dialing in by phone, enter #, your Audio PIN, then #

Type your question into the text field under “Questions”
Boot Camp Part 1 Webinar - Poll

- Boot Camp Part 1 Recording: https://attendee.gotowebinar.com/recording/4098952269632543500

Did you attend the Part 1 webinar on August 20?
A. Yes
B. No
Audit is About Self Knowledge

- “Knowing yourself is the beginning of all wisdom.”
  - Aristotle

- Know yourself. Don't accept your dog's admiration as conclusive evidence that you are wonderful.
  - Ann Landers
Purpose of NMD Reports: How are the data used?

Today we will cover:

- Data submission
- Data submission error resolutions
- Report management
- Report uses
NRDR Knowledge Base - Poll

How familiar are you with the NRDR Knowledge Base?

A. I use it often  
B. I use it occasionally  
C. I use it rarely  
D. I know about it but have never used it  
E. I have not heard about it
Data Submission: What are the options to report the data?

- Batch file upload
  - Creating a file
    - Using NMD certified software
    - Using other methods, eg, Excel
  - Uploading a file
Data Submission: What are the options to report the data?

- Web-based data transmission
  - How to set up
  - Benefits of this method
  - Submit an NRDR help desk ticket for more information
Data Submission: How often should the data be reported?

Guidelines for data submission

- At least every quarter
  - Submit current and previous quarter (6 months)
- Deadline for submission is one month after the end of the quarter
- Choose timeframe that includes updated records
- Reports are calculated cumulatively
Resolution of Errors and Missing Data: What to do after I upload the data?

- Check file upload status

<table>
<thead>
<tr>
<th>Filename</th>
<th>File Received</th>
<th>File Loaded</th>
<th>Status</th>
<th>Facility ID</th>
<th>History ID</th>
<th># of records in file</th>
<th># of records rejected</th>
<th># of records added</th>
<th># of records added with warning</th>
<th># of records updated</th>
<th># of records updated with warning</th>
<th>Message</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000000_mmd_20200010-040001.txt</td>
<td>06/10/2020 09:48:12</td>
<td>06/10/2020 23:03:42</td>
<td>Successful</td>
<td>1000000</td>
<td>20688</td>
<td>220</td>
<td>218</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>All records were invalid.</td>
<td>Delete Data File Download Log File View Details</td>
</tr>
<tr>
<td>1000000_mmd_202000610-030001.txt</td>
<td>06/10/2020 09:46:34</td>
<td></td>
<td>Rejected</td>
<td>1000000</td>
<td>20687</td>
<td>220</td>
<td>220</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>All records were invalid.</td>
<td>Delete Data File Download Log File View Details</td>
</tr>
</tbody>
</table>
Resolution of Errors and Missing Data: What to do after I upload the data?

- **Common Issues**
  - Files show “Valid w/ warning” (NPI)
  - Files were rejected

| Filename                          | File Received    | File Loaded | Status | Facility ID | History ID | # of records in file | # of records rejected | # of records added with warning | # of records updated with warning | Message                                      | Action                                      |
|----------------------------------|------------------|-------------|--------|-------------|------------|----------------------|-----------------------|-----------------------------------|------------------------------------------|--------------------------------------------|
| 100000_nmd_20200803-092100.txt   | 06/03/2020 11:35:13 | Rejected    | 100000 | 21265       | 1          | 1                    | 0                     | 0                                 | 0                                       | All records were invalid.                   | Delete Data File, Download Log File, Show Log File, View Details |
Resolution of Errors and Missing Data: What to do after I upload the data?

- File format doesn't match file version indicated

- Uploaded data are not showing as submitted on the dashboard
Resolution of Errors and Missing Data: What to do after I upload the data? – Data Quality Report

- Data Quality Report

<table>
<thead>
<tr>
<th>Indication For Exam</th>
<th>Assessment (Patient-Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Routine Screening</td>
<td>Category 0: INCOMPLETE ASSESSMENT</td>
</tr>
<tr>
<td></td>
<td>Category 1: Negative</td>
</tr>
<tr>
<td></td>
<td>Category 2: Benign</td>
</tr>
<tr>
<td></td>
<td>Category 3: Probably benign</td>
</tr>
<tr>
<td></td>
<td><strong>Record Count</strong></td>
</tr>
<tr>
<td></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2 - Additional evaluation of recent screening</th>
<th>Assessment (Patient-Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Category 1: Negative</td>
</tr>
<tr>
<td></td>
<td>Category 2: Benign</td>
</tr>
<tr>
<td></td>
<td><strong>Record Count</strong></td>
</tr>
<tr>
<td></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

- Record count by NPI
- First exam date
- Last exam date
- Record count by classification and malignancy type
Resolution of Errors and Missing Data: What to do after I upload the data?

- Data Quality Report

### Error Detail

<table>
<thead>
<tr>
<th>Error</th>
<th>Patient NRDR ID</th>
<th>Exams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tumor Stage is not Stage 0 and Malignancy Type = DCIS</td>
<td>15150462</td>
<td>1</td>
</tr>
<tr>
<td>Tumor Stage is not Stage 0 and Malignancy Type = DCIS</td>
<td>15150463</td>
<td>1</td>
</tr>
<tr>
<td>Tumor Stage is not Stage 0 and Malignancy Type = DCIS</td>
<td>15150465</td>
<td>2</td>
</tr>
</tbody>
</table>

### Missing and Unknown Values

<table>
<thead>
<tr>
<th>Check</th>
<th>Data Element</th>
<th>Records</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missing</td>
<td>Sex (Optional)</td>
<td>58</td>
<td>100.0%</td>
</tr>
<tr>
<td>Missing</td>
<td>Pathological size of tumor (Optional)</td>
<td>58</td>
<td>100.0%</td>
</tr>
<tr>
<td>Missing</td>
<td>Film or digital (Optional)</td>
<td>58</td>
<td>100.0%</td>
</tr>
<tr>
<td>Missing</td>
<td>Use of computer-aided detection (CAD) - Standard views (Optional)</td>
<td>58</td>
<td>100.0%</td>
</tr>
<tr>
<td>Missing</td>
<td>Use of tomosynthesis (Optional)</td>
<td>58</td>
<td>100.0%</td>
</tr>
<tr>
<td>Missing</td>
<td>Biopsy date (Optional)</td>
<td>18</td>
<td>31.0%</td>
</tr>
<tr>
<td>Unknown</td>
<td>Malignancy Type: Unknown</td>
<td>37</td>
<td>63.8%</td>
</tr>
<tr>
<td>Unknown</td>
<td>Classification of lesion: Unknown</td>
<td>18</td>
<td>31.0%</td>
</tr>
</tbody>
</table>
NMD Report Use – Poll 1

Have you accessed the NEW interactive NMD Data Quality Report?

A. Not yet
B. Yes, first time viewing the report
C. Yes, more than once
Report Management: What happens to the data?

- Available reports
  - NMD Facility Screening Report
  - NMD Facility Screening Group Report
  - NMD Physician Screening Report
  - NMD Physician Screening Group Report

- Future reports
  - Interactive aggregate reports
Report Management: What happens to the data?
Facility Screening Report

- NMD Facility Report compares site performance to other similar sites by type, size, location, and region

- NMD Facility Group Report compares facilities under the same corporate account

- Both: Comparison to all facilities in NMD registry as a whole

- Posted quarterly – 1 – 2 weeks after month submission grace period

<table>
<thead>
<tr>
<th>Qtr</th>
<th>Collect Data</th>
<th>Submit Period</th>
<th>Report Creation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1</td>
<td>Jan - Mar</td>
<td>Apr</td>
<td>~1st 2 wks May</td>
</tr>
</tbody>
</table>
Physician Screening Report

- NMD Physician Report compares individual physician performance within a facility to all physicians in the facility.

- NMD Physician Group Report compares individual physicians under the same corporate account to all physicians in the group.

- Both: Comparison to all physicians in NMD registry as a whole.

- Posted quarterly.
NMD Report Use – Poll 2

How frequently do you review your NMD reports?

A. Annually
B. Semi-annually
C. Quarterly
D. More frequently than quarterly
E. Never
Data in the Report Doesn’t Reflect What Was Expected: What to do

- Exams underreported
  - Check uploads for rejects
  - Ensure data are uploaded within 1 month of end of the quarter

- Measures not calculated
  - If no follow-up data provided, measures requiring follow up don’t get calculated

- Low cancer detection rate
  - Cancers must be associated with a positive screening exam in order to be counted
Outcomes in NMD Report Differ from Vendors

- Incomplete data uploaded
- Was BIRADS used correctly?
- Vendor doesn’t use standard outcomes
  - Lymphoma is not a breast cancer so not a +
  - Multiple cancers in 1 patient – only counts as 1
  - Different time frame used for reports
  - Other options – old outcome definition of BIRADS 3
Intended Uses for Reports

- Set quality improvement goals
- Evaluate new radiologists
- See consistency of radiologists
- Demonstrate program performance to payers and others

Recall Rate - Variability
Engaging with NMD

- NRDR Knowledge Base
  - [https://nrdrsupport.acr.org/support/home](https://nrdrsupport.acr.org/support/home)
  - FAQ of questions from today will be sent after webinar

- Provide NMD feedback through our survey!
  - [https://app.smartsheet.com/b/form/7613389ae5d947b2a2a2ae0c9877980e7f](https://app.smartsheet.com/b/form/7613389ae5d947b2a2a2ae0c9877980e7f)

- Future webinars
  - Stay tuned for more webinars in the NMD Training Series
NMD Training Webinar Series – Poll

What topics would you like to see covered in a future webinar?

A. In-depth explanation of NMD reports
B. How to read report charts and graphs (across NRDR)
C. Translating NMD data into quality improvement projects (w/ case examples)
CE Credit Claiming

CE Credit claiming instructions will be sent to you via email from alacount@acr.org following the activity, by Friday, September 4, 2020. 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, Wednesday, November 26, 2020.

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