Image and Radiology Report Submission to TRIAD™

Version 1 – February 2023
Digital Image Submission via TRIAD™

• All imaging studies are to be submitted via TRIAD™ to the ACR Center for Research and Innovation (ACR CRI)
  • No image data will be accepted on media for ALZ-NET

• TRIAD™ (Transfer of Images and Data) is the ACR CRI’s cloud-based image and data exchange platform that supports image and data archival as well as immediate transfer of data

• All imaging studies are required to be submitted using TRIAD™

• TRIAD™ can be installed on one or several computers of choice within the institutional ‘firewall’ and/or on an institutional network

• The application can be configured as a DICOM destination on either the scanner console or PACS system for direct network transfer
TRIAD™ Facts and System Requirements

- TRIAD™ meets FDA regulatory requirements for use in Clinical Trials and is Title 21 CFR Part 11 compliant
  - Sends images and data files securely
  - Anonymizes the DICOM headers locally before submission based on flexible and profile-based algorithm
  - A straight-forward software download is all that is needed to get started
  - Images are submitted with the click of a button
- TRIAD™ components are upgraded to newest .NET Framework version 4.8
- TRIAD™ end user access/log in is authenticated by Okta Single Sign On (SSO) for added security
  - TRIAD access will use the same login credentials as CTMS, the application to register patients for ALZ-NET.
Image Data to be Submitted

• The imaging studies collected for ALZ-NET are to be imaging exams that were performed as part of regular clinical care (i.e, Amyloid PET, Amyloid PET/CT, Amyloid PET/MR, Tau PET, Tau PET/CT, Tau PET/MR, and/or MRI Brain scans).

• All Patient Name and Patient ID DICOM tag fields are anonymized upon submission to TRIAD™
  ▪ TRIAD™ replaces Patient Name and Patient ID fields with trial-specific ALZ-NET Case ID Number
  ▪ No 3rd party or additional anonymization programs are recommended to be used as these systems can often times wipe valuable DICOM tags related to patient gender, date/year of birth or specific image-related details used during the Image Quality Assessment process

• Valuable scan data and details are contained in specific DICOM tag fields that are necessary for study identification as well as to confirm technical aspects of the scans

• Radiology reports associated with each uploaded image are also required to be uploaded via TRIAD.
  • Reports do not need to be redacted. Patients have authorized transfer of PHI via their signed ALZ-NET informed consent document.
Accessing TRIAD™ for Image Submission

- Select the ‘Clinical Trial (Custom)’ domain of TRIAD:

- Enter the registered User email address:

This is the same login information for ACR Okta (used to login to CTMS)
Selecting Image Data Files for Submission

- If intended image files to be submitted are on CD or an internal network location:
  - Select your site from the drop-down menu

- If image files are on the configured scanner console or internal PACS destination:
  - Select folder where the images are located (e.g., disc drive, desktop, network location, etc)
  - If configured from the scanner console or PACS destination, the images pushed from the destination will be cached here
Moving Image Data to the Submission Queue

• Images ready for submission will pre-populate and must be selected for the Image Submission queue:
Moving Image Data to the Submission Queue

• Once the desired image series are selected, click ‘Move to Submission Queue’:

• The scan now appears at the bottom of the screen and is ready to be assigned the correct ALZ-NET Case ID number and submitted:
Radiology Report Submission

Radiology Reports are uploaded to TRIAD using the steps outlined in slide 6

The .pdf document(s) will populate in the ‘Non-DICOM File Type’ box:

**Please ensure that Radiology Reports are in pdf format ONLY**
Radiology Report Submission (continued)

Once the desired .pdf document(s) is displayed, select ‘Move to Submission Queue’:

Once in the Submission Queue:
TRIAD™ Support

• Questions and inquiries related to the TRIAD™ Platform may be addressed to the TRIAD™ Support Team:

  Triad-Support@acr.org
  703.390.9858

• Tech Support is available from Monday to Friday between 8am - 5pm EST

• TRIAD™ User Guide is available:

  https://triadinstall.acr.org/triadclient/
Upon Image Submission

• Once a scan has been submitted to TRIAD, some of the details related to the scan are transferred to the ALZ-NET database

• Submitted scans are archived at the ACR CRI and are expected to contain specific DICOM data intact and present for successful archival at ACR CRI
ALZ-NET Imaging Support

• Questions and inquiries related to the imaging expectations for ALZ-NET may be addressed to the ACR CRI Imaging Technologist:

  Rebecca DiGati, CNMT
  Senior Imaging Services Specialist
  rdigati@acr.org
  215.574.3175