

ACR Research Operations Infrastructure

ACR CRI Services

Services of a **full clinical CRO**

Funding

Grants and Commercial Sponsors

Project Development

Study Design and Contracting

Study Document Creation

Protocol, Charter, Imaging Manual, Data Management Plan, Blinded Read Manual

Site Services

Site Selection & Qualification, Subject Recruitment Mgmt., Site/Reader/CRO Training, IT Informatics Solutions

Study Execution & Operational Management

Image Collection + QC, Data Collection + QC, QA + Regulatory, Reviewer Contracting & Mgmt.

Analysis

Image Central Review, Validation, Analytic Tools + Pipelines, Statistical Analysis, Data Transfer

For more information:

<https://www.acr.org/Research/Clinical-Research>

Research Project Types

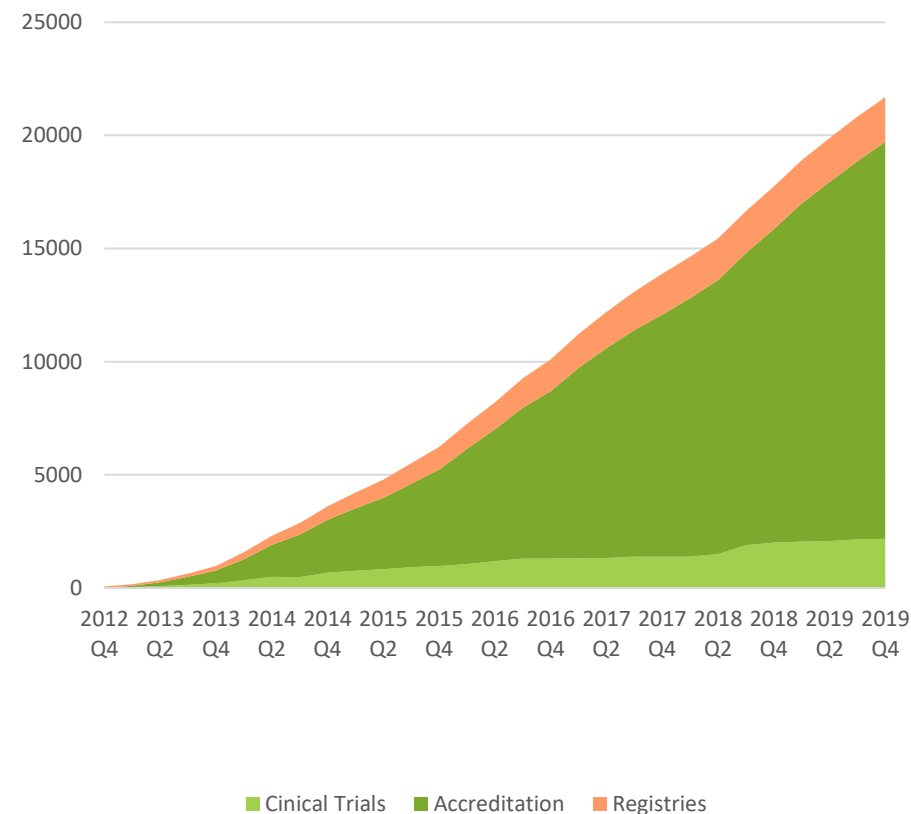
Clinical trial services to support **all project types**

- ✓ Screening/Detection
- ✓ Therapeutic/Response Trials
- ✓ Radiation Therapy
- ✓ Novel Imaging Methods
- ✓ Biomarker Development/Validation
- ✓ Central Reader Studies
- ✓ Reader Education / Truther / Testing
- ✓ Software/Hardware Validation
- ✓ Registries
- ✓ AI Algorithm Development / Validation
- ✓ Socio-Economic Research

ACR Research Clinical Systems

TRIAD - Transfer of Images and Data

- Developed to support image-sharing and workflow needs
- Standards-friendly (DICOM, IHE) and FDA Compliant (CFR 21 Part 11)
- Broad Portfolio
 - Supports Data Workflow for Research, Education, and Quality Programs
 - Over 10 Years Serving Diagnostic and Radiation Therapy Clinical Trials
 - All ACR Accreditation image submissions received through TRIAD
 - Web-based uploading (e.g. AIRP)
 - **ACRConnect**, as the next generation, provides a vendor-neutral infrastructure, making it easier for collaborations and expansion
- Anonymization
 - Unique profiles configured by Administrator
 - Flexibility to assign at the trial, site, submission parameters or DICOM tag level
 - Applied automatically locally prior to ingestion and/or outbound



TRIAD-Connect

<https://acr-1.wistia.com/medias/yark5c83be>

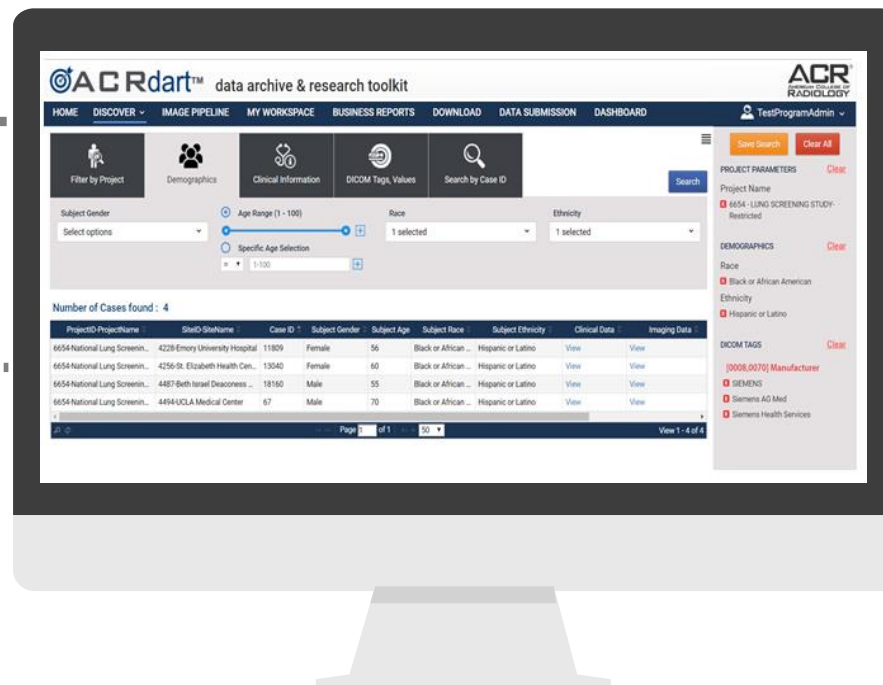
DART - Data Archive and Research Toolkit



Cloud-based,
integrated
platform



Federated access
to data across
domains for
analytics, tool
development, and
closed-loop
storage



Easier for researchers to
analyze images and other
clinical data – can run
within platform or
download locally



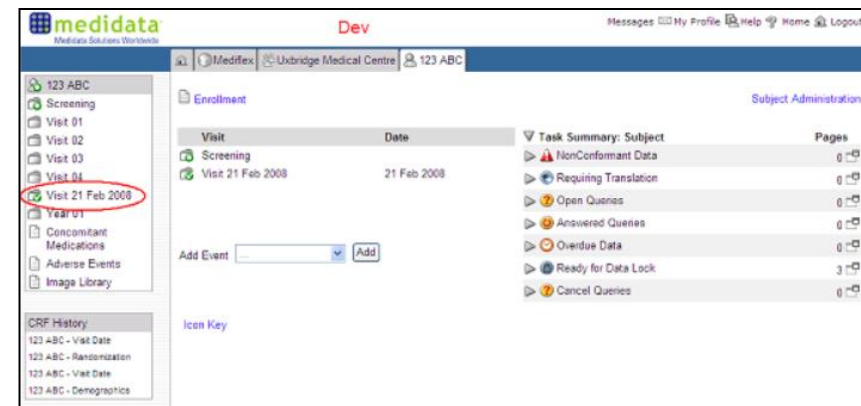
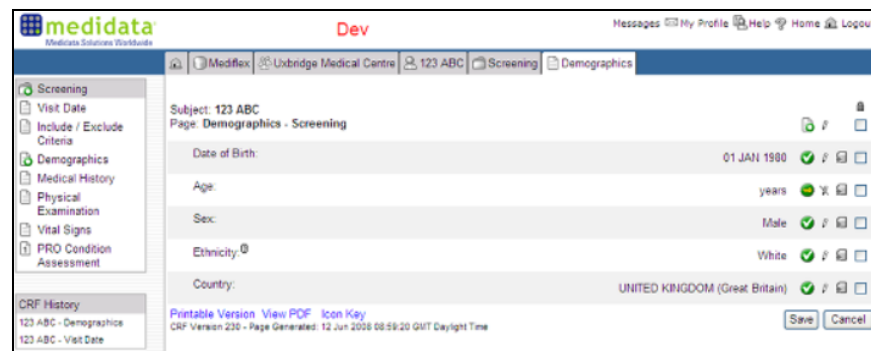
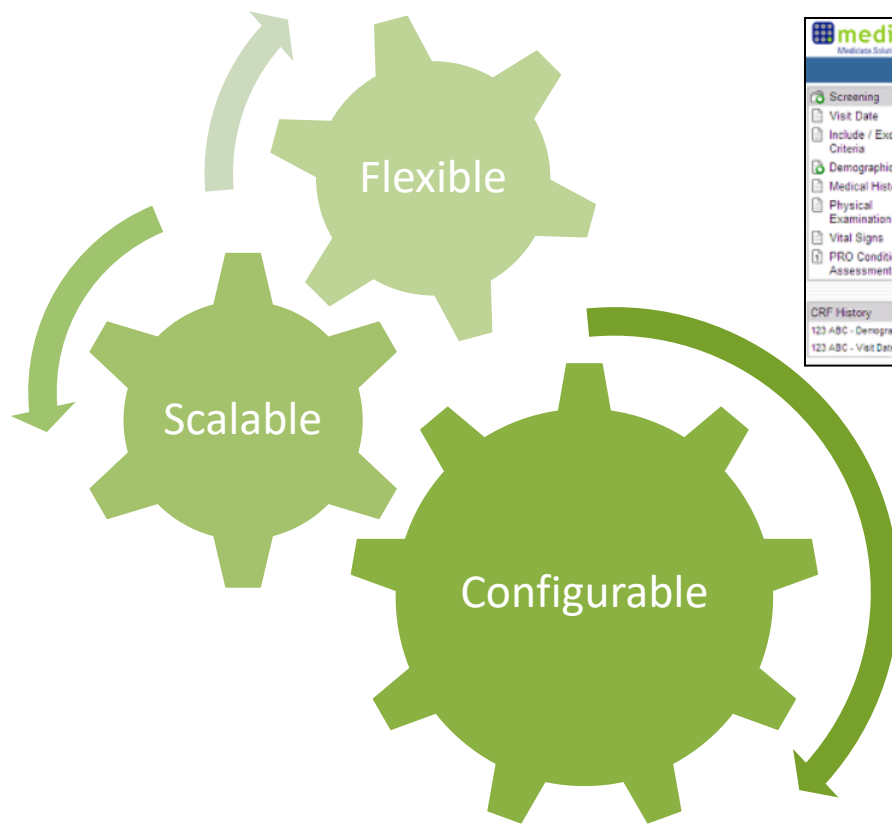
Data commons that
houses not just imaging
data, but all clinical +
imaging data

DART

<https://acr-1.wistia.com/projects/1uile69d9a>

Medidata RAVE

- Industry's leading solution for capturing, managing, and reporting patient data



Core Lab – Imaging Applications

- Volumetric Measurements/Segmentation
 - MiM Vista FDA Cleared
 - OsiriX* FDA Cleared
 - Velocity FDA Cleared
- DICOM Viewer/QC
 - IQ View* FDA Cleared
 - Clear Canvas*
 - Sante*
 - DICOM Works
 - MiM Vista for PET QC FDA Cleared
 - Velocity
 - TRIAD
- RECIST Evaluation
 - IQ View*
 - CEDARA
 - OsiriX* FDA Cleared
 - Mirada FDA Cleared
- Angiography/CTA
 - Aquarius iNtuition- Tera Recon*
- SUV Measurements
 - GE
 - SIEMENS
 - PHILIPS
 - MiM Vista
 - Velocity
 - MatLab/SPM*
- Fusion
 - MiM Vista
 - Velocity
 - MatLab/SPM*
- Dynamic Contrast MRI
 - Apollo MISTar
- MR Spectroscopy
 - Acorn NUTS

