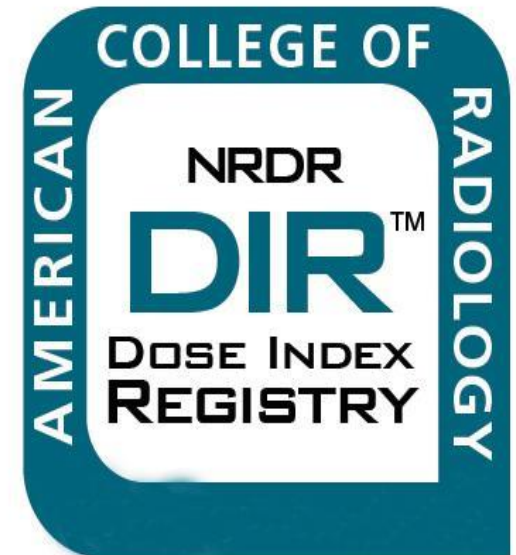


CMSS Registries Summit 2018
Registry Leadership Forum
ACR National Radiology Data Registry
Experience

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ACR National Radiology Data Registry

- NRDR is umbrella for 6 distinct registries
- Established in 2008 with 2 databases; latest opened in 2017
- Development and operations completely in-house; no software vendor
- 4,300 facilities; 83 million exams
- MIPS 2017 reporting for 3,870 physicians



NRDR Accomplishments

- **Quarterly facility/physician quality reports** – comparisons to registry aggregated rates;
- **“Live” site-level reports** for custom reports and outlier case analysis; integrating Tableau
- **MIPS Performance portal**
- **Dozens of publications** using NRDR data
- Registry data available to health services researchers with approval
- Data analysis for multiple uses; guidance for modifying practice policy and development of benchmarks for QI
- Commercialization of data not really viable



Current Challenges

- Minimizing data collection burden
 - Myriad of radiology practice models; multiple systems, sites, software vendors and technology
- Data accuracy/completeness
 - Integrating imaging/clinical data at site or w/in registry from disparate systems within/out of institution
 - Manual entry of EHR data to radiology system – burden, inaccuracies
 - Outcome data incompleteness
 - Hurdles:
 - Institution/system IT support
 - Conflicting priorities for hospital and physician group, dependency of physicians on hospital for data access
 - Security

Integrating Innovation

- Continue efforts to link to multiple data sources for registry data elements
- Radiology reports rich source of data on quality; not easily accessible in automated way
- Build on use of structured templates (vs use of NLP) with easier availability at point of reporting
- Integrate use of ACR reporting and data systems, structured reports in informatics tools, vendor systems
- Further develop HL7 or FHIR capabilities for electronic exchange of data, and participate in development of standards for HL7 and FHIR to support radiology activities

Thanks!