

*Methods for Data Capture, Integration,
Exchange, & Management
Registry Data Collection*

NCDR PVI Registry™

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PVI Registry™



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Disclosures:

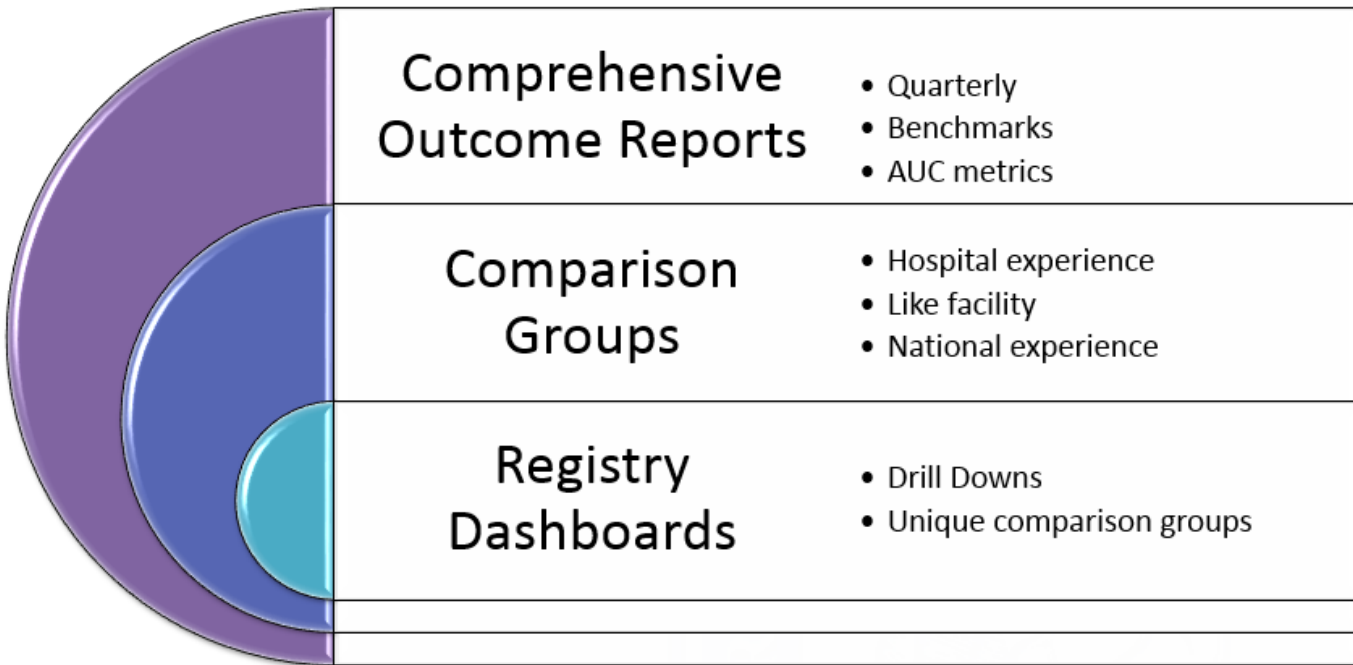
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| Name | Disease or Device | Facility | Sites | Patient Records |
|-------------|------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|------------------------------------|
| PINNACLE | Coronary artery disease, heart failure, atrial fibrillation, hypertension, diabetes, peripheral arterial disease | Outpatient | 445 | 35,000,000 |
| Diabetes | Diabetes and cardiometabolic care | Outpatient | 329 | 1,000,000 |
| CathPCI | Percutaneous coronary interventions Diagnostic catheterizations | Hospital/Free Standing | 1,730 | 20,000,000 |
| ICD | Implantable cardioverter defibrillators | Hospital | 1,815 | 2,000,000 |
| ACTION | Acute coronary syndrome STEMI and NSTEMI | Hospital/EMS | 1030 | 1,200,000 |
| PVI | Carotid artery revascularization Lower extremity | Hospital/Free Standing | 214 | 350,000 (CAS & CEA) |
| IMPACT | Congenital heart disease Pediatric and Adult | Hospital | 100 | 70,000 |
| STS/ACC TVT | Transcatheter Valve Therapy | Hospital | 400 | 75,000 |
| LAAO | Left atrial appendage occlusion procedures | Hospital | 159 | 1,500 |
| AF Ablation | AF ablation procedures | Hospital | 41 | 1,500 |

NCDR PVI Registry™ Data Capture

- Complimentary online data collection tool provided to all participants
- Currently have four certified third party vendors for data entry

Format of NCDR PVI reports



Data Quality Program

Pre-data capture

Training
Software Certification



PVI Registry™

Data Submission

Clinical Support
Data Quality Report
Data Outlier Program

Post-data
Submission

National Audit Program
State/Regional Audit Program
Self audit Program
Voluntary Audit Program



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PVI Registry Data Quality



- Data Quality Tool provided to participants for data completeness and accuracy
- **Green** – Submission complete & will be included in national benchmarking
- **Yellow** – data entry not complete; submission will not be used for benchmarking
- **Red** – submission had errors

NCDR PVI Registry™ Audit

- Audit process in place
- Sites randomly selected
 - 10 records or more per site
 - Required two (2) quarters of green data quality submissions (data and completeness assessment)

NCDR PVI Registry™

- 2015 PVI Pilot Audit
 - Overall agreement for data completeness and accuracy was 95.6%
 - 100 records selected
- 2016 PVI Audit Q3 2017
- Launching soon a “self-audit” tool



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INITIATIVES

HOSPITAL RECOGNITION KIT

CLINICAL TOOLKITS

The ACC Quality Improvement for Institutions program gives health care institutions a comprehensive suite of cardiovascular registries and service solutions - supporting quality clinical care and improving patient outcomes.

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data that delivers

clarity for
decision-making

quality in
patient care



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The National Cardiovascular Data Registry (NCDR) is the largest, most comprehensive, outcomes-based cardiovascular patient data repository in the United States. [Learn More...](#)

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Initiatives

ACC quality improvement initiatives disseminate evidence-based strategies and toolkits, promote best practice sharing, and

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Quality Campaign Tools

- Evidence-based QI strategies
- Self-assessment surveys
- Learning network
- Toolkits
- Recognition





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