Coordinated Research Network Development

Kathleen Hewitt, DNP, RN, CPHQ, AACC
Associate Vice President
Science and Quality Strategy and Innovation
American College of Cardiology
NCDR Programs

Registries
- Diabetes
- PINNACLE
- ACTION
- CathPCI
- ICD
- AFA
- LAAO
- PVI
- IMPACT
- PVI

Quality Improvement
- Patient Navigator Cohort
- Patient Navigator-Focus MI
- Surviving MI
- PCI Bleeding
- QII Toolkits

Research & Analytics
- NCDR R&P
- Regulated Research
- Non-regulated Research
- Analytics
# NCDR Quality Improvement

<table>
<thead>
<tr>
<th>QI Campaigns</th>
<th>Registries</th>
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<tr>
<td>Surviving MI (30d mortality)</td>
<td>• ACTION</td>
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<tr>
<td>Patient Navigator (35) (30d MI/HF readmission)</td>
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<td>Patient Navigator-Focus MI</td>
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<td>QI Toolkit</td>
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<td>Bleeding Risk Toolkit</td>
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<td>D2B Toolkit</td>
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<td>QI for Outpt Practices Tools</td>
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<td>PCI Bleeding</td>
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<td>Clin Qual Coach</td>
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<td>TAVR In-Hosp Mort</td>
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<td>ICD/CRT AUC</td>
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NCDR Research

Internally Funded
R&P

2017 – 17 (6 in JACC)

Externally Funded

Other Studies

Company | PAS Research Studies | TVT | LAAO | ICD
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Edwards Lifesciences | • PARTNER PAS II (SAPIEN™) | ✓ | | ✓
 | • SAPIEN 3i CAP | ✓ | | |
Medtronic | • CoreValve® PAS | ✓ | | |
Abbott | • MitraClip® PAS I | ✓ | | |
 | • MitraClip® PAS II | ✓ | | |
Boston Scientific Corporation | • WATCHMAN™ | ✓ | | |
 | • NESTed Postmarket Surveillance | | ✓ | |
 | • MADIT-CRT PAS | | ✓ | |
 | • EMBLEM S-ICD PAS | | ✓ | |

ACTION 1
CathPCI 4
ICD 4
IMPACT 2
PINNACLE 4
PVI 1
TVT 1
CRN Development – Where we are now?

Data definitions –
• harmonizing across registries

Data capture –
• 50% of registry data hand abstracted
• financial burden
• not sustainable
• prevents realtime analytics

Structured reporting for registry submission
• Capture data once
• Verify prior to submission

Quality assurance –
• Now
• Then???

Adherence to informatics standards into CRNs —
• NCDR certifies vendors

Implementation of UDI into CRNs -
• CathPCI v. 5.0
Where are we today?
informatics / GUDID fundamentals

- GUDID added to all NCDR registries
- CathPCI
- Automatically captured from team-based documentation
How should the ideal healthcare system work & what needs to be done?

- Standard across healthcare systems
- All hands on deck - standards societies such as HL7, DICOM, and IHE.

Medical societies – “What”
- patient/population management,
- structured reporting
- QI
- reimbursement
- shared decision making
- research
- etc..

Technical groups – “How”