

# **New Paradigms of Collaborative Infrastructure: Impact of the “Fabric” Supporting Safety Registry Efforts**

**Washington, DC  
April 27, 2009**

**Stephen Hammill MD**

# The National ICD Registry as a **Model for Collaboration**

- All hospitals placing primary prevention ICDs in Medicare patients
  - >1500 hospitals; 75% submit all patients
- >10,000 ICD procedures per month
  - >330,000 to date
- Quarterly benchmarking reports
- First on-site data audit completed
- Performance measure development--Yale/CMS
- Research
  - Abstracts—9    Manuscripts---5**
  - Circulation, HeartRhythm, JAMA***

# The National ICD Registry as a Model for Collaboration

- **Professional Societies**  
HRS, HFSA, ACC, AHA, STS
- **Industry**  
Medtronic, Boston Scientific, St Jude, Biotronik
- **Payors**  
CMS, BCBS, United HealthCare, Aetna, AHIP
- **Government Agencies**  
AHRQ, FDA
- **Hospitals**  
Am Hosp Assoc

*HRS, ACC, and NCDR  
have worked closely  
to develop and maintain  
the ICD registry*

# **NCDR Data Quality Program to Assure Quality Data**

**➤ DQR process**

**➤ National Onsite Audit Program**

**Audit findings and site's original data  
compared**

# ***Incentive to assure full participation: Carrot or Stick?***

- **Carrot** – \$\$, QI/QA

## **Advantage**

**Registry participation expensive, time consuming—providers need something in return**

## **Disadvantage**

**Providers may opt out or not enroll consecutive patients**

## ***Benchmarking***

**Compares hospital's outcomes with hospitals of similar size and a national aggregate**

# ***Incentive to assure full participation: Carrot or Stick?***

**Stick** – linked to payment

## **Advantage**

**Ensures participation—all providers, all patients**

**Generalizable findings**

## **Disadvantage**

**Requires payor support**

***CED***

**Insures full participation,  
consecutive patients**

# *A successful registry requires collaboration*

- **Involve all stake holders**
- **Develop infrastructure**
- **Assure quality data, provide feedback**
- **Establish incentive for participation**