“Using Clinically-Enhanced Claims Data to Guide Treatment of Acute Heart Failure”

An AHRQ Grant to MHA

Hospital Benefits

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New AHRQ-Funded Research Study

• Clinical enhancement of claims data
  – Continue screening for quality of POA coding
  – Increase number of hospitals transmitting lab data
  – Begin transmitting electronic pharmacy data

• Comparative effectiveness research
  – Characterize use of drugs in patients hospitalized with acute decompensated heart failure
  – Evaluate clinical effectiveness of alternative initial and secondary interventions
  – Determine best therapies based on patient profiles
Assistance in Data Management

• Help meeting ‘meaningful use’ requirements
• Preparation for future mandatory reporting requirements
• Creation of clinically-enhanced claims data sets
  – Better distinguishes between comorbidities and complications
  – Adds objective findings to more subjective diagnostic designations
  – Provides finer definition of progression of disease and underlying pathophysiology than does diagnostic codes
Reports to Participating Hospitals

• Detailed analyses of the quality of its POA coding
• Comparative risk-adjusted mortality and adverse outcome rates based on clinically-enhanced claims data
• Description of how its drug treatment of acute decompensated heart failure compares to those of other hospitals
• Analysis of how critical processes in its drug treatment of acute decompensated heart failure may be altered to improve clinical outcomes
Linking Data to Decisions

- Data
  - Requires
  - Provide

- Evaluation
  - Invite

- Information
  - Facilitates

- Actions
  - Guide
  - Support

- Decisions
  - Facilitates

- Understanding
  - Mutes Extraneous Influences

- Risk-Adjustment

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- Minnesota Hospital Association
- mpa
- CareFusion
Risk-Adjusted Mortality
Linking Outcomes and Processes

Outcomes Measurement

Intervention in Process

Plan for Improvement

Performance Evaluation

Process Analysis

Identification of Opportunities for Improvement