Product Updates & Operational Highlights:
Clinical Decision Support Services

Presented by:
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ACS MIDAS+
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Product Updates & Operational Highlights

Clinical Decision Support Services

Vicky Mahn-DiNicola RN, MS, CPQH
Vice President & Product Manager
ACS MIDAS+

Product Updates 2005 - 2006

- MIDAS+™ CPMS
- DataVision™
**MIDAS+ CPMS Enhancements**

**Core Measures**

- Updates distributed quarterly
- Ongoing and Never Ending!

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**MIDAS+ CPMS Enhancements**

**Core Concurrent Review Reports**

- Concurrent review being motivated by P4P
- Requires clinical staff trained in Core Measure data abstraction to review potentially eligible patients
- Case identification can be supported by SmarTrack™ Rules from UR module
- Requires user to manually create Core Focus Study and begin collecting data while patient is still in the hospital
- Final inclusion in Core Measures reflected in the Core Detail Profile and driven by final ICD-9 assignments at discharge
- Accessed from Standard Reports
- Can be run by current location or specific measure
**MIDAS+ CPMS Enhancements**

**Focus Encounter Detail Export**

- Accessed from Standard Reports
- Exports to Excel Worksheet
- Includes encounter level detail
- Includes Focus item detail
- Includes Measure Category Assignments
- Includes customize data fields
- Includes up to four Focus Providers

**MIDAS+ CPMS Enhancements**

**Appropriateness of Care Profiles**

<table>
<thead>
<tr>
<th>Indicator Profile Viewer - JCAHO - Core Appropriateness of Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicator</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>Composite Bundle</td>
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<tr>
<td>Complex Bundle (expanded)</td>
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<td>All Topics After-None Bundle (10 staten)</td>
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<td>All Topics After-None Bundle (expanded)</td>
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<td>Acute MI All or None Bundle</td>
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<tr>
<td>Heart Failure All or None Bundle</td>
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<tr>
<td>Pneumonia All or None Bundle</td>
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<tr>
<td>SIP All or None Bundle</td>
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<tr>
<td>Custom Heart Failure All or None Bundle</td>
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<tr>
<td>Custom Pneumonia All or None Bundle</td>
</tr>
<tr>
<td>Custom Care SIP All or None Bundle</td>
</tr>
</tbody>
</table>
**Appropriateness of Care Profiles**

**Accessed through DataVision**

![DataVision Navigator](image)

**MIDAS+ CPMS Enhancements**

**Appropriateness of Care Profiles**

- **Core Composite Bundle (10 Starter Set)**
- **Core Composite Bundle (Expanded)**
  - Combine patient populations across topics
  - Include only process measures (not outcome)
  - “Process-centric”
    - Numerator: All the processes given correctly
    - Denominator: All the processes possible

\[
\text{AMI Numerator} + \text{HF Numerator} + \text{PN Numerator} = X
\]

\[
\text{AMI Denominator} + \text{HF Denominator} + \text{PN Denominator}
\]
**MIDAS+ CPMS Enhancements**

** Appropriateness of Care Profiles**

- **All or None Bundles (Measure of “Perfect Care”)**
  - Available for each Core Topic
  - Available for All Topics Combined
  - Include only process measures (not outcome)
  - “Patient-centric”
    - Numerator: All the patients that received all processes of care for which they were eligible
    - Denominator: Count of patients eligible for one or more process of care

\[
\text{50 Patients who received all care they were eligible for} = 50\% \\
\text{100 Patients Eligible for \geq 1 process}
\]

**MIDAS+ CPMS Enhancements**

** Custom Bundles**

- Hospitals can define their own Composite or All or None Core Measure Bundles to meet organizational reporting needs
- Requires ACS MIDAS+ CDSS Team to set a site parameter on your server
- Define the type of Bundle you want and the Core Measures you want bundled and submit your request to [www.midas.core@acs-inc.com](http://www.midas.core@acs-inc.com)
DataVision Enhancements 2005 - 2006

- DataVision Tool Pack Enhancements
  - Discharge Status Report

- DataVision Tool Pack Enhancements
  - Complications of Care
  - Requires ICD-9 Dx Status to distinguish diagnoses present and absent on admission
DataVision Enhancements
2005 - 2006

- DataVision Tool Pack Enhancements
  - Complications of Care Detail Report
  - Identifies encounters with Major Complications

15th Annual MIDAS+ User Symposium

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DataVision Enhancements
2005 - 2006

- DataVision Tool Pack Enhancements
  - Provider Utilization
  - Includes ALOS
  - Average Charges
  - Average Costs

15th Annual MIDAS+ User Symposium
## DataVision Enhancements 2005 - 2006

### DataVision Tool Pack Enhancements

- APR DRG Severity by Attending Provider
- APR DRG Mortality by Attending Provider

### DataVision Readmission Toolpack

- Accessed from Standard Reports
- Supports analysis of like or same diagnosis for readmission encounter
- Analyzes up to 90 days readmission for all populations in DataVision
  - Specific clinical populations & co-morbidities
  - All inpatients
  - All newborns
  - SNF, Behavioral Health

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**Microsoft Excel - TRANS16056.FIL**

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<th>C</th>
<th>D</th>
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<td>6</td>
<td>1</td>
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</table>
DataVision Enhancements 2005 - 2006

• JCAHO Stroke Certification Study
  – Includes SmarTrack Worklist
  – Focus Study
  – Profile of Measures
  – No comparative data yet available
  – Hospital manages their own data submission to JCAHO to meet their 2 year application process as a Certified Center of Care for Stroke

DataVision Enhancements 2005 - 2006

• Hospital APR DRG Ranking Profile
  – Accessed from the DataVision Web Application
  – Ranks your hospital’s APR DRG volume
  – Expected and observed severity adjusted LOS
  – Expected and observed severity adjusted Mortality
  – LOS and Mortality Ratios
DataVision Enhancements 2005 - 2006

- APR DRG Provider Comparison Profile
  - Accessed by drilling down on selected APR DRG directly from Hospital APR DRG Profile
  - Ranks providers by volume for selected APR DRG
  - Expected and observed severity adjusted LOS
  - Expected and observed severity adjusted Mortality
  - LOS and Mortality Ratios
DataVision Enhancements

2005 - 2006

- **Provider APR DRG Profile**
  - Accessed by drilling down on selected provider from APR DRG Provider Comparison Profile
  - Ranks APR DRG populations by volume for selected provider
  - Expected and observed severity adjusted LOS
  - Expected and observed severity adjusted Mortality
  - LOS and Mortality Ratios
  - Specialty Ratio comparing selected provider’s specialty against like specialists at your facility
Future DataVision Enhancements on the Radar Screen

- Updating AHRQ Patient Safety Measures
- Exploring Integration of Zynx Forecaster into DataVision Web Application
- Modified Distribution for Criterion Instruction in Distributed Core Measure Focus Studies
- Exploring Statistical Process Control Chart Launch capability directly from client server
- User friendly data export tool to upload Acute MI and Heart Failure data to Outcome Sciences for clients that participate in AHA Get With The Guidelines
  - Acute MI and Heart Failure GWTG Focus Study Add on
  - Includes support of JCAHO Acute MI Test Measures for LDL Cholesterol Assessment and Lipid Lowering Therapy
**Future DataVision Enhancements on the Radar Screen**

- **APR DRG Summary Report Enhancements**
  - Corporate APR DRG Reports
  - APR DRG Trend reports over time
  - Age parameter > and < 65 years of age
  - Incorporation of APR DRG Relative Weights for severity adjustment

- **Modification of Physician Quality Profile to compute provider quality metrics directly from MIDAS+ Quality Module**

- **SCIP Study** (also available for CPMS clients)
  - Cardiac Surgery Patients with Controlled 6AM Postoperative Serum Glucose
  - Surgery Patients with Appropriate Hair Removal
  - Colorectal Surgery Patients with Immediate Postoperative Normothermia

**Future DataVision Enhancements on the Radar Screen**

- **Remaining SCIP Metrics** *(CPMS & DataVision)*
  - Cardiac
  - Venous Thromboembolism Prevention Study

- **Central Line Focus Study**
- **Ventilator Associated Pneumonia Study**
- **Pediatric Asthma Core Measure Set**
- **Rapid Response Team Focus Study**
- **Code Arrest Focus Study**
- **Medication Reconciliation Focus Study**
- **Behavioral Health Core Measures** *(test)*
Operational Highlights

• CDSS Support call activity
• Training activity for Core Measures
• Training enhancements for DataVision
• JCAHO and CMS Data Quality Updates
• Summary of IHI Data Transmission
• MIDAS+ response to Federal Deficit Act
• MIDAS+ response to HCAHPS
• CDSS Department Reorganization