



Hospital Industry Data Institute Demonstration for the Oklahoma Hospital Association

Tuesday, September 18, 2018

Rick Snyder, OHA Vice President, Finance & Information Services
Steve Warchol, DBA, Director of HIDI Outreach and Education
Tanya Lueckenotto, HIDI Business Analyst

Presentation Outline

- HIDI Overview
- Data Collection, Processing and Enrichment
- Business Intelligence and Reporting
- OHA Data Solutions Timeline
- Questions

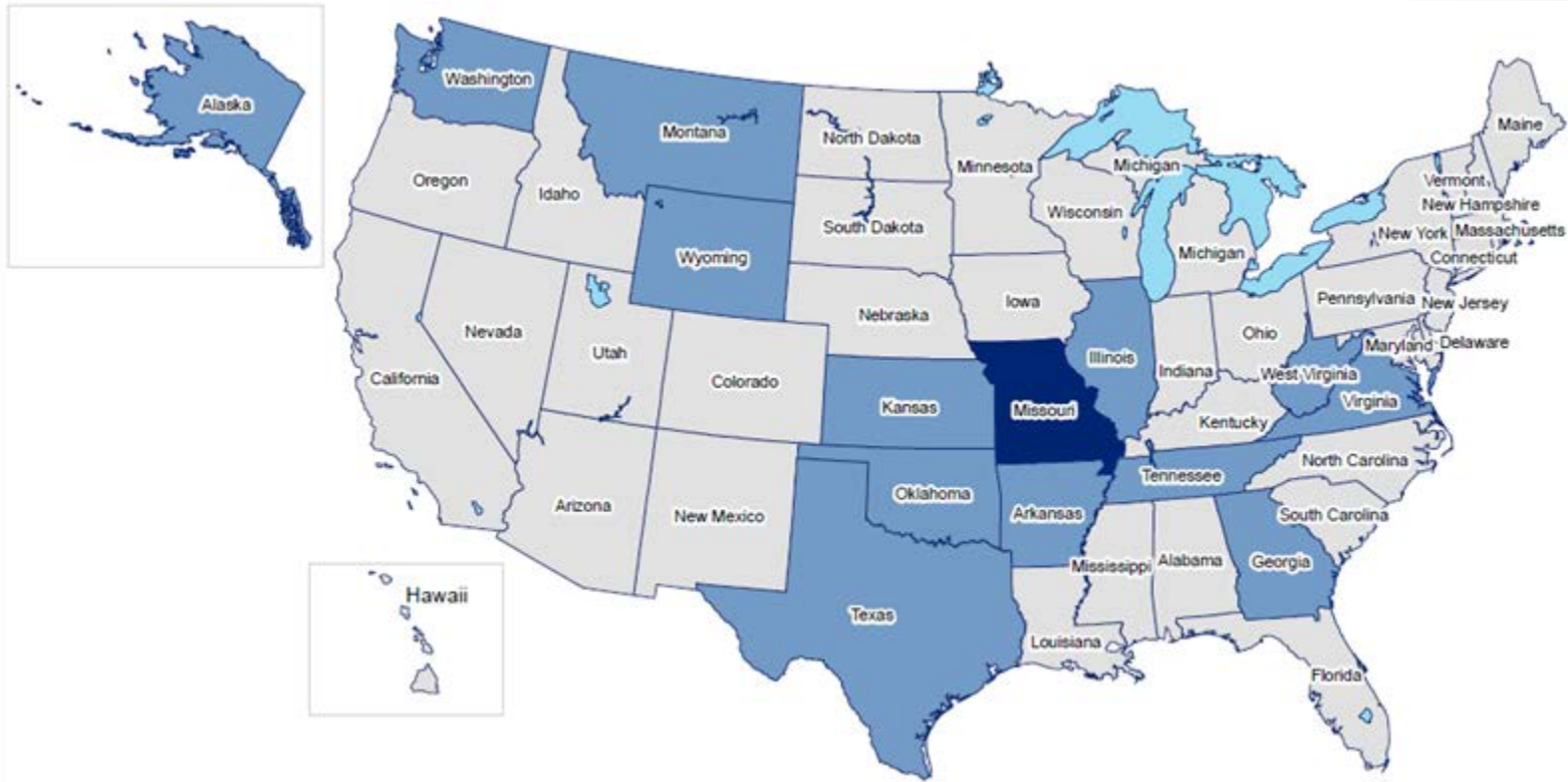
Meaningful Market Leading Experience

- Boasts more than 30 years' experience collecting hospital data and providing analytics
- Provides data collection, reporting and analytic solutions for diverse client base including hospitals, systems, collaborative provider networks, ambulatory surgery centers, state data organizations and other entities
- Serves over 2,000 hospitals and systems nationwide
- Serves more than 4,000 users
- Processes more than 70 million hospital discharges annually
- Serves as the data company of the Missouri Hospital Association operating as a not-for-profit 501(c)(3) entity

Meaningful Market Leading Experience

- Has diverse expertise in health services research, association policy and advocacy support, data stewardship, health IT, consulting, solution development and project management
- Supports associations' data, analytic needs, grants and research
- Operates a collaboration-ready environment and promotes collaboration with diverse stakeholders
- Is a national thought leader and published resource for sociodemographic risk adjustment, readmissions modeling, small-area population health measures and other topics
- Is a next generation vision services provider for data visualization, admit discharge transfer, data collection, watchlists, alerting and big data platform analytics

Nationwide Users of HIDI Solutions

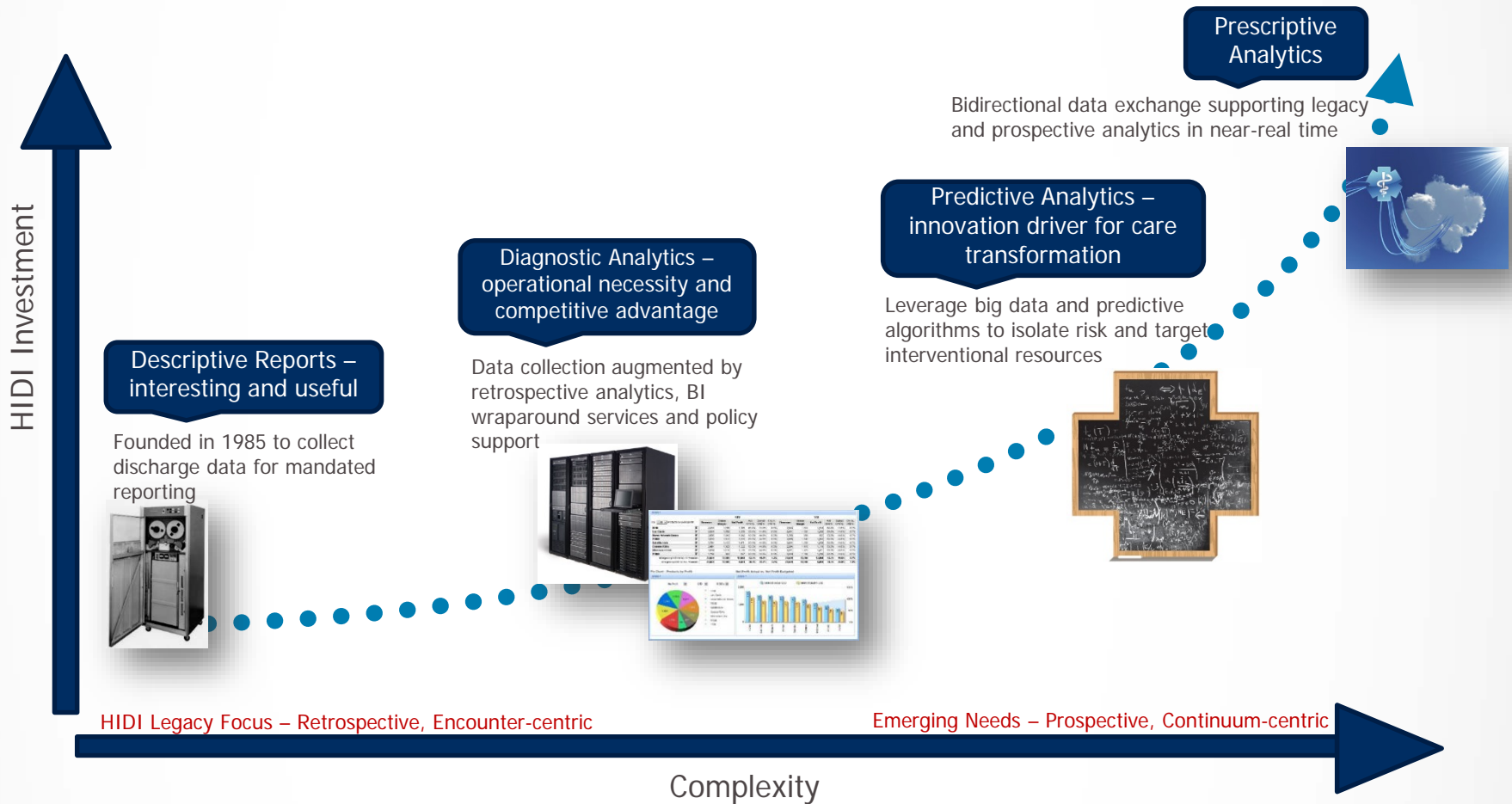


HIDI State Hospital Association Partners and Clients







- Alaska
- Arkansas
- Georgia
- Illinois (COMPdata)
- Kansas
- Montana (served by COMPdata)
- Oklahoma
- State of Alaska
- Texas
- Tennessee
- Virginia
- West Virginia
- Washington
- Wyoming



HIDI Roadmap to Meet Evolving Member and Customer Needs



HIDI Advantage[®] Supports Members' Operational Intelligence

-  Foundation for advocacy support
-  Data collection, enrichment and aggregation
-  Report services and business intelligence
-  Multi-tenant analytic research workbench and Analytics-as-a-Service
-  Episode-based analytic solutions
-  ADT data capture, watchlist, notifications and alerting

HIDI
Advantage

HIDI Data Collection

The Hospital Discharge Data Collection Leader

- Data collection and aggregation
 - Discharge data
 - Selected quality data elements option
 - NHSN-conferred data option
 - Access to patients treated in other states through HIDI-hosted voluntary non-resident database participation or other negotiated exchanges
 - Census data, other reference data sources
- Flexible data formats, batch data layout, 837-5010 data submission ready, fixed file layout available (HIDI400)
- Customer-designed program to meet state-specific requirements, timelines, audits/edits, error thresholds, communications, etc.
- Optional custom data deliverables to states, AHRQ HCUP, vendor partners, others as designated
- Optional global sampling population for core measure program

HIDI Data Collection

Custom Designed Data Enrichment

- Data Enrichment:
 - Applied Groupers
 - Applied Clinical Classifications (CCS, MDC)
 - Peer Groupings (Statewide, Regional, Custom)
 - AHRQ Measure Calculation
 - HAC Measure Calculation
 - Chronic Conditions Calculations
 - Readmission Linking and Measure Calculation (optional)
 - Enriched Readmission Modeling (SDS, SES, Custom Variables) (optional)
 - Master Patient Index Anonymized Unique Record Identification (optional)
 - Record Geocoding (optional)
 - Custom Quality Measure Calculation (optional)
- Custom Database Deliverable

HIDI Data Collection

Easy to Use Member Platform

- HIDI.net Platform:
 - Secure access
 - No infrastructure overhead costs or capital investments
 - Monthly processing option
 - Data encryption included
 - Easy to use and navigate
 - Hospitals can view full record displays and make individual patient record corrections online
 - Hospitals can download error and verification reports
 - Pre-screening of discharge data is available and uploaded data are immediately accepted or rejected
 - Customizable record edits at three levels: informational, warning and fatal

HIDI Data Collection

Demo of HIDI.net Data Collection Platform

[Home](#) [Upload](#) [Status](#) [Reports](#) [Documentation](#) [Account](#) [Status Summary](#) [Record Counts](#) [User Accounts](#) [Logout](#)

Upload UB Discharge Data

Select Facility:

If uploading a replacement file, be sure to delete the original from the Status page first!

File Specifications:

- Either a .TXT or .ZIP file
- Filesize less than 50 MB
- .ZIP Files can only contain one compressed file
- No passwords on .ZIP Files
- Files can contain both IP and OP data

Comprehensive and Robust Reporting

Guiding Hospital Leaders In Making Informed Decisions

- Make strategic market share decisions based on the most current data available and identify trends over multiple years
- See hospital performance against others on key financial and quality metrics
- Anticipate the associated financial impact of complex policy changes with current data
- Identify demographic, socioeconomic and health characteristics for your community health needs assessment with interactive geographic information systems
- Access reports designed to meet the specific needs of specialty and critical access hospitals
- System-level access for corporate users

Comprehensive and Robust Reporting

Guiding Hospital Leaders In Making Informed Decisions

OHA and OSDH Deliverables:

- Limited Data Sets by subscription: all claim records
- Mandated reporting to OK State Department of Health

C-Suite, Management and Hospital Users: Interactive client-driven reports, dashboards, and drill through reporting including:

- Market share and patient origin reports
- Quality benchmarking reports (AHRQ)
- Physician utilization reports

Comprehensive and Robust Reporting

Guiding Hospital Leaders In Making Informed Decisions

- Optional reporting modules for future consideration
 - CMS HIIN reports
 - Population health reporting
 - Readmissions tracking and risk adjustment
 - Detailed interactive community health maps
 - Management and productivity
 - Census Forecasting



- Secure Web-based business intelligence platform making data assets actionable for more than 4,000 hospital users across the U.S.
- View, download and interact with data to assist with the decision-making process in improving hospital operations
- Analytic Advantage[®] business intelligence reports and dashboards
 - Secure single user portal access to all reporting
 - Unlimited member end user quota allowance
 - C-suite dashboards
 - Interactive/dynamic reporting
 - Drill-through reporting record access (HIPAA compliant)
 - User-defined custom filter build option
 - Exporting as .xlsx and .pdf and saving reports



Demo of HID Analytic Advantage[®]





OHA Data Solutions / HIDI

- All inpatients and all outpatients
- OSDH XML format or 837I
- Quarterly submission
 - Due 45 days after quarter end
- Results two to five months old
- Data quality reports
- Online correction, or resubmit
- Online analytics included
- Physician identifiers
- Optional: Limited Data Set

OK State Dept of Health

- All inpatients, OP surgeries
- OSDH XML format
- Annual submission required
 - Due May 1
- Results 12 to 24 months old
- Spreadsheet correction process
- No online analytics
- No physician identifiers
- Optional: Limited Data Set

OHA Data Solutions - Timeline

- *Underway: Oklahoma test data submission*
- Now: Sign and return OHA-Hospital Agreement
- October 2018: Hospitals submit data for Oct 2017 through June 2018
- By Nov. 15, 2018: Hospitals submit data for July to September 2018
- After startup period, data analytics will be available 60 days after quarter end
- www.okoha.com/ohadata

Contact Information

OHA

Rick Snyder

Vice President, Finance and Information Services
405-427-9537 rsnyder@okoha.com

HIDI

Theresa Roark

Senior VP of Research, Data and Information Services
573-893-3700, ext. 1354 troark@mhanet.com

Tanya Lueckenotto

Business Analyst
573-893-3700, ext. 1327 tlueckenotto@mhanet.com

Steve Warchol

Director of HIDI Outreach and Education
573-893-3700, ext. 1383 swarchol@mhanet.com

Questions?

