

Data Warehousing in the Community Health Centers

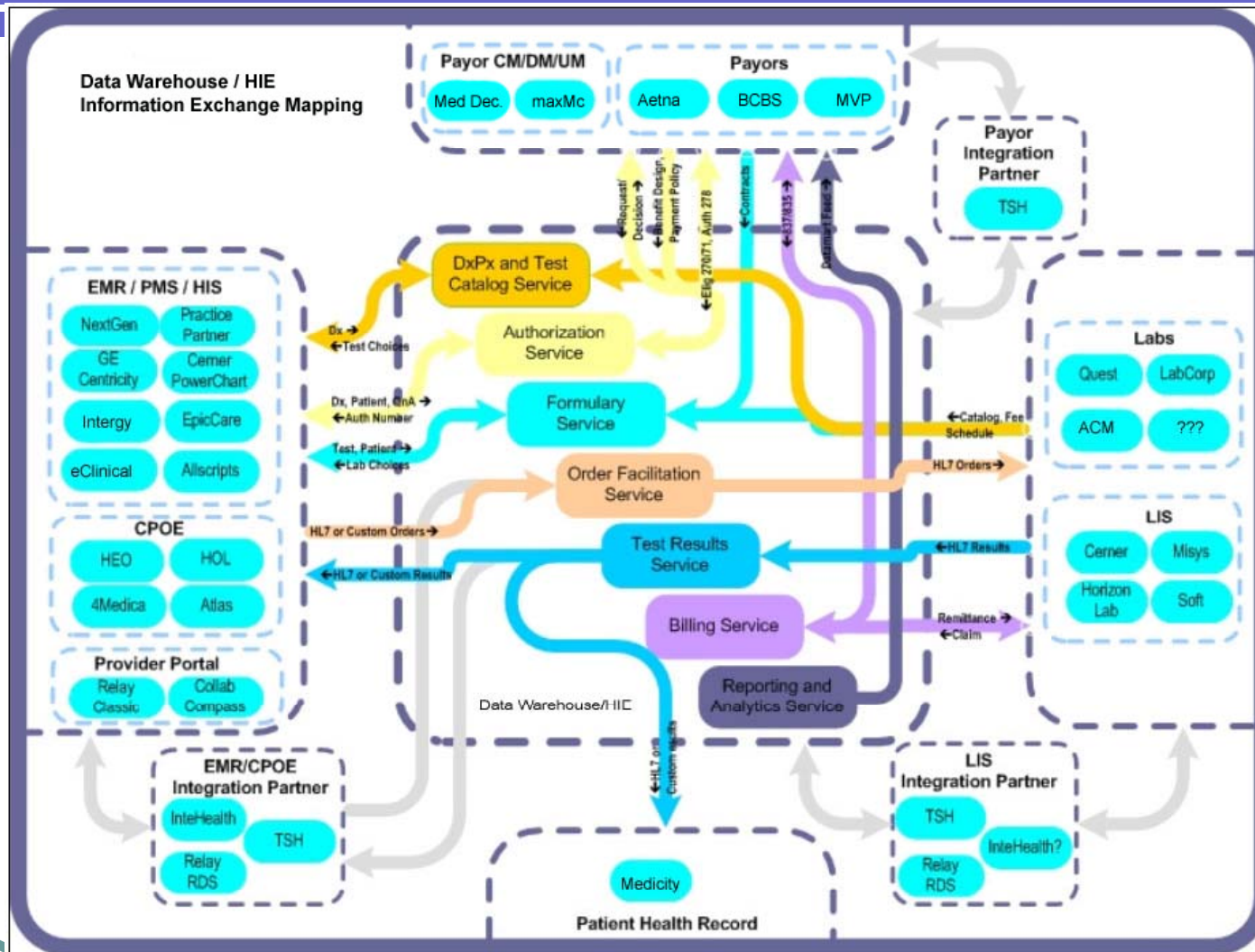
Ken Welch

Information Options, LLC

Data Warehousing Primer

- A data warehouse (DW) is large, well-formed set of data pulled from multiple sources and systems that can be used for analysis, reporting, and strategic decision making
- Data sources may include: EHR/EMR, Lab, Registries, Enrollment, Rx, Payor Claims, CM/UM/DM and more

Data, Data, and More Data



DW Goals

- Turns data into actionable information
- Supports decision-making activities
- Provides ad-hoc reporting capabilities
- Facilitates exploration of large sets of data
- Allows secure, web-based access to information by patients, providers, and administrators

DW Benefits to Patients

- Manage and improve quality of care
- Reduce duplication in tests
- Information to show how patients with similar diseases respond to therapies or treatment protocols
- Knowledge to guide course of treatment
- Continually updated information as it becomes available

DW Benefits to the Population

- Provides information to support screening and preventative care measures
- Community-based healthcare resource planning
- Supports public health reporting needs
- Ability to track and trend diagnosis prescribing in support of bio-surveillance

DW Benefits to the Providers

- Tools and information to discover methodologies to improve care and outcomes
- Examination of patient adherence to treatment plans and medication compliance
- Provides insight into effectiveness of care
- Assists with pay-for-performance quality initiatives
- Fosters “collegial competition” between providers

DW Benefits to the CHC

- Information to support administrative efforts
- Benchmarking performance and measurements over time
- Planning for space, supplies and staffing
- Financial modeling information
- Ability to demonstrate performance when negotiating reimbursement levels

DW Challenges

- Cost and resource need often require data warehouses to be collaboratively designed, developed and maintained
- Privacy and Security
- Lack of long-term commitment by participants
- Reliable data in source systems

Mahalo!

Ken Welch

Ken_Welch@InfoOptions.com