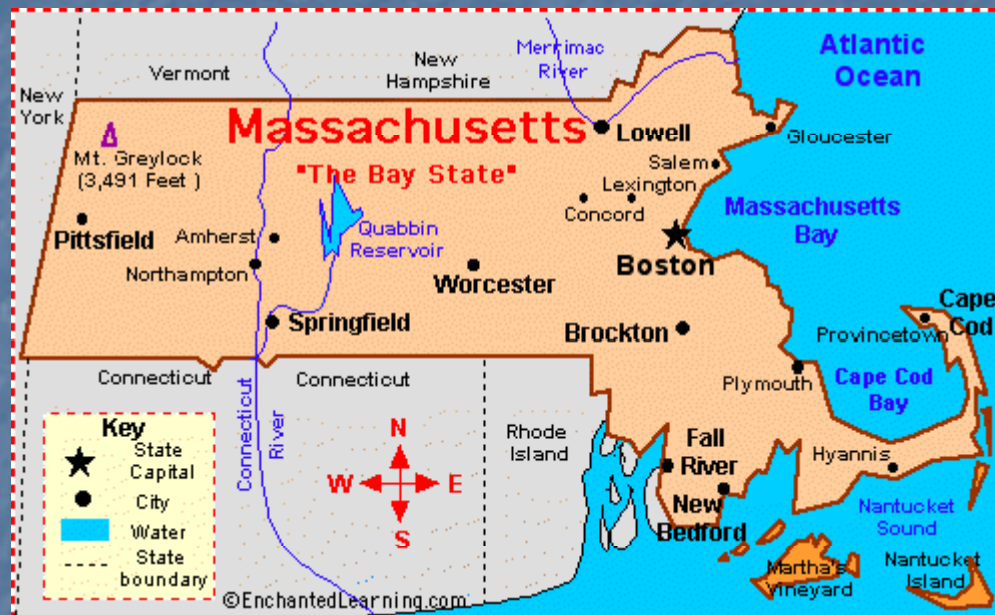




Massachusetts Efforts In Ensuring Data Integrity

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Massachusetts Quick Facts



- Population, 2007 estimate 6,449,755
- Land area, 2000 (square miles)
- Persons per square mile, 809
- Mean travel time to work (minutes), workers age 16+, 27.0

About the Department of Mental Health

- One of 15 agencies under the umbrella of the Executive Office of Health and Human Services (EOHHS)
- 6 Geographic Areas divided into 33 Local Service Sites
- 5 State Hospitals
- 6 State Operated Mental Health Centers (4 inpatient units)
- 1 Contracted Inpatient Unit
- 2 Contracted Adolescent Inpatient Units
- 6 Contracted Child/Adolescent Intensive Residential Treatment Facilities
- 157 Contracted Community Providers
- Total Served: FY2008 27,697

What are our current data capabilities?

- Mental Health Information System (MHIS) Enterprise medical record fully implemented since 2004
- DMH Warehouse
- Desktop and Web based Reporting Systems including INFORM, Inpatient Indicators, DMH Admission Referral Tracking, Psychopharmacology Indicators, Management Reporting
- Multiple Area and Statewide Applications (e.g. Licensing, DMH Inpatient Referral, Court Clinic, Incident Reporting)

MHIS

- Need for a client information system
 - Reliable information that is easily accessible enhances care
 - Optimal identification of individuals will minimize duplication across service system
 - Accurate, reliable information helps us to evaluate current services and plan for future needed services
 - Standardized data and processes allow for integration with MMIS medical data/services
- System Goals
 - Improve ability to monitor and manage the quality of service
 - Replace multiple databases
 - Provide improved reporting capabilities
 - Establish a long-term solution to information needs
 - Standardize terminology, data collection, research and reporting

MHIS

■ **Data Availability**

- Demographic data flows across applications
- Data is available across Areas, and across venues of care
- Reduces potential for duplication

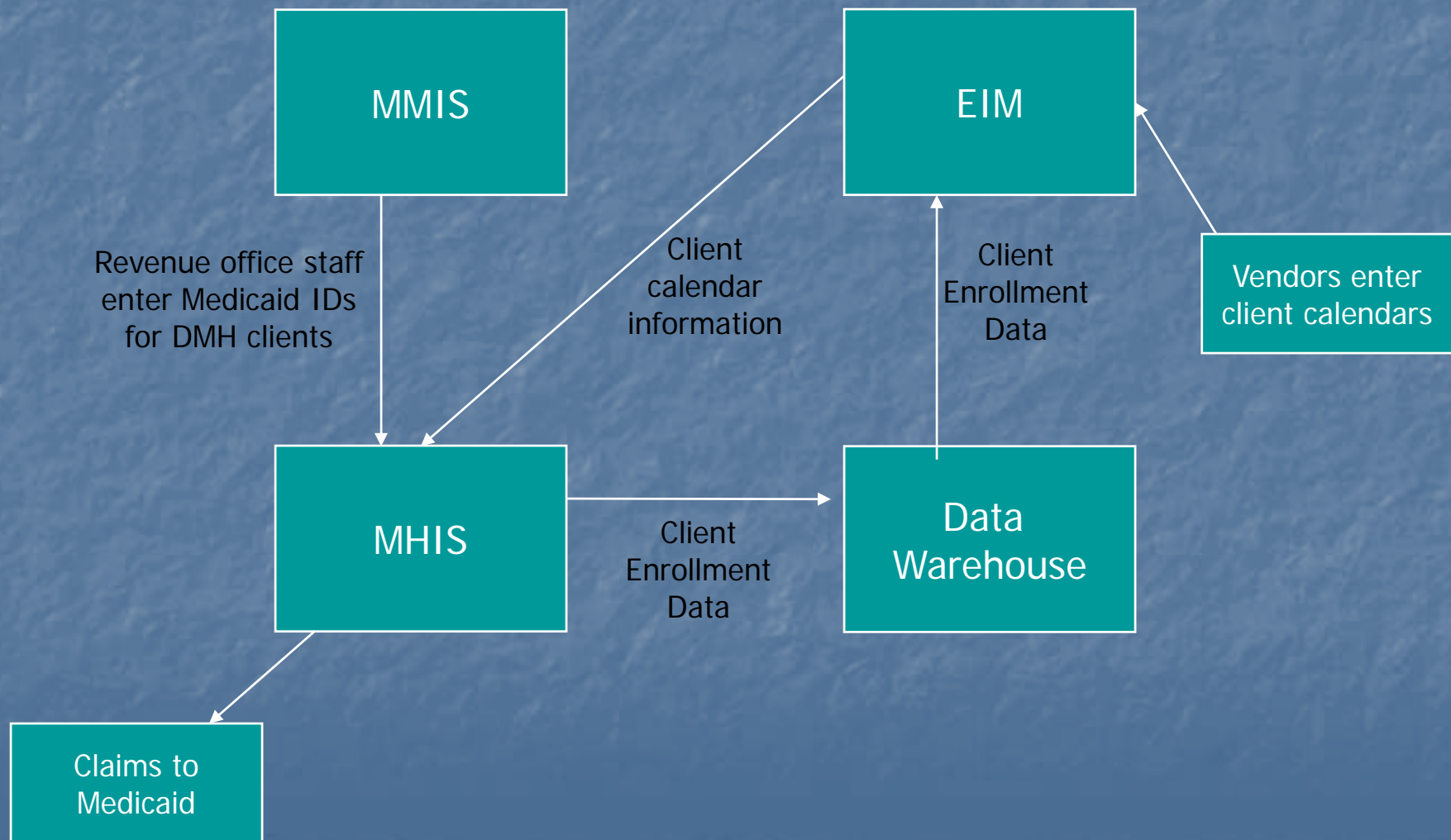
■ **System Benefits**

- Enterprise Medical Record will allow authorized users to view clinical data
- Ultimately will optimize data sharing and clinical decision-making
- Allows DMH to create outcome measures and begin analysis of outcome data
- Reporting Capabilities
- Allows cross-state analysis of consistently measured data
- Allows data quality management
- Incorporation of data into the DMH Data Warehouse
- Real-time admissions, availability of demographics and updating of changes
- Collection of diagnosis, insurance and entitlement data
- Collection of information on family, contacts and guardianship
- Documentation of legal status and criminal justice involvement
- Identify persons as clients, pending, etc. -- Performed in CM

DMH Data Warehouse

- SQL-compliant store of data for users of MHIS
 - Recasts data from MHIS Data Repository; a Meditech proprietary production database into tables whose structure and internal relationships better suit DMH's business operations.
 - Load Process: nightly execution of stored procedures pulls data from DMH Meditech, DPH Meditech, and Parkview Hospital Admissions.

Service Delivery Report Process



Methods to Ensure Data Integrity

- Business Rules
- Automated Data Editing
- Selection Lists
- Audit Reports
- User Manuals
- Data Dictionaries

SERVICE DELIVERY GOALS

- Safe, stable housing
- Full participation in the community
- Self management
- Self determination & empowerment
- Wellness and improved physical health
- Independent employment

WHAT IS DMH BUYING....

- A mix of rehabilitation, treatment, support, and supervision based on client need and choice
- Screening, assessment, and integrated treatment planning
- Housing for certain clients

WHAT ARE CONTRACTOR RESPONSIBILITIES....

- Establishes treatment plan and provides full spectrum of CBFS services directly or through sub contract
- Manages utilization by adjusting service levels as needs of clients change
- Adjusts staff and other resources based on client need
- Collaborates with DMH to manage client risk

■ Challenges as of July 1, 2009

- Minimum data set elements to be defined
- Method and Frequency of data transmission to DMH
- Storage location in DMH; MHIS or Warehouse
- Crosswalks between Vendor and DMH reference tables
- Development of Outcome Measures and reporting
- Management of error reporting
- Management of Duplicate Client IDs



The daydreams of cat herders

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