



Center for Health Information and Analysis

CHIA Overview and Update

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Background on CHIA

- CHIA was created in 2012 with a mission “to collect, analyze and disseminate health care information to assist in the formulation of health care policy.”
- In 2015 an 11-member Oversight Council was created to improve CHIA’s governance.
- CHIA collects data from providers and payers, generates basic measurements of the healthcare sector, publishes numerous reports, and provides data and analytics services to other state agencies.
- CHIA has established strong working relationships with EOHHS, MassHealth, the Health Policy Commission, the Connector, DPH, GIC, DOI, and other agencies.
- CHIA’s statute requires the agency to report comparative healthcare cost and quality information through a consumer health information website.



CHIA's Data Assets

CHIA receives over 25,000 file submissions per year. The following data assets provide the foundation for CHIA's reporting and analytic work.

- Acute Hospital Discharge, Emergency Department, and Observation Stays
- All-Payer Claims Database
- Provider Financial and Cost Reports
- Health Care Expenditure Reports from Health Plans
- Statewide Surveys: Employers, Households, and Patient Experience
- Quality Measure Sets: Patient Experience, HEDIS, and CMS data
- Registered Provider Organizations



CHIA's Major Publications

- Performance of the Massachusetts Health Care System: Annual Report
- Provider Relative Price Report
- Massachusetts Hospital Profiles
- CHIA Standard Statistics
- Massachusetts Health Insurance Survey
- Massachusetts Employer Survey
- A Focus on Provider Quality: Annual Report
- Hospital-Wide Adult All-Payer Readmissions in Massachusetts
- Hospital-Specific Readmissions Report
- Massachusetts Health Care Coverage: Enrollment Trends
- Mandated Benefit Reviews
- Massachusetts Acute Hospital Financial Performance



CHIA's Major Data Assets

Casemix: Hospital Discharge, ED, and Observations

- CHIA's oldest, most mature, and analytically useful dataset at this time.
- Granular detail, but only acute hospitals settings and no cost data.
- CHIA is in the process of adding data from behavioral health hospitals.
- Substance use disorder services are still a major gap, but CHIA is working on approaches that will allow us to add this data.

All-Payer Claims Database

- CHIA's most ambitious data resource.
- The APCD offers unparalleled breadth and depth of data



CHIA's Major Data Assets (continued)

All-Payer Claims Database (continued)

- The APCD, without enhancements, is raw and hard to use.
- CHIA is exploring a new approach to the APCD.

Provider Financial and Cost Reports

- CHIA collects financial and cost data from hospitals; nursing facilities; community health centers; rest homes; nursing services; adult day health center; ambulance/chair car; adult foster care; and group adult foster care.
- This data collection supports CHIA's rate setting activities.

Health Care Expenditure Reports from Health Plans

- New data collection authority provided by Chapter 288 of the Acts of 2010, and Chapter 224 of the Acts of 2012.



CHIA's Major Data Assets (continued)

Health Care Expenditure Reports from Health Plans (continued)

- This data allows CHIA to measure and study total healthcare expenditures, enrollment, cost sharing,

Statewide Surveys: Employers, Households, and Patient Experience

- Employer survey provides insights on the employer health insurance market, including employer health insurance offerings, employee take-up rates, cost-sharing, plan characteristics, and employer decision making.
- In 2016, the employer survey was redesigned to better reflect changes in the health insurance markets and changing state priorities for health care reform.
- The Household Survey (MHIS) provides information on health insurance coverage, health care access and use and health care affordability.



CHIA's Major Data Assets (continued)

Quality Measure Sets: Patient Experience, HEDIS, and CMS data

- CHIA convenes and expert advisory group called the Statewide Quality Advisory Committee (SQAC).
- The SQAC helps CHIA establish a collection of measures called the Statewide Quality Measure Set (SQMS).
- CHIA also collects and publishes 3rd party quality data.

Registered Provider Organizations

- New data collection initiative being undertaken in partnership with the Health Policy Commission.
- Will dramatically expand our understanding of physicians and medical groups.
- Will facilitate entirely new types of analysis and services.



Data Collection Ideas for the Future

- Pharmaceutical Costs
- Behavioral Health
- Substance Use
- Quality Measurement and Reporting
- Real-time/HIE data
- Clinical Data
- Social Determinants
- Disparities in Care
- Practice Pattern Variations
- Predictive Analytics



CHIA's Transparency Website – Overview

- Target audience is consumers and small employers
- Will also serve providers, payers, and policymakers
- Agile, phased approach with Phase 1 going live in Fall 2017
- Being developed in close collaboration with state agencies and private stakeholders
- Multiple pricing views: relative price, and payer and provider-specific, procedure level pricing
- Will include quality and safety information
- Consumer educational materials and tools, including plan choice and links to health plan pricing tools
- Small business educational materials and tools
- Provider and health plan transparency compliance support
- CHIA's entire public data archive available via API