



# The Use of MHCC Data to Support Monitoring of the *New* Medicare Waiver

A Presentation before the HSCRC Data and Infrastructure  
Workgroup

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# Presentation Overview

- MHCC Data Structures
- Discussion of the MCDB
  - Description
  - File details pertinent to Waiver measures
    - Claims
    - Patient information
  - Monitoring measures to be constructed using the MCDB
- Maryland Hospital Performance Evaluation Guide
- Maryland Quality Measures Data Center
  - Background and Purpose
  - Hospital Quality and Performance Data Sets



# Maryland Medical Care Data Base (MCDB)

- Data base of privately insured claims created by Maryland Legislature
  - in 1993 (professional services)
  - Authority expanded in
    - 1999: Rx claims & 2007: institutional claims, eligibility information, health plan descriptions (in development)
    - 2014: PBMs, TPAs, QHPs must submit; report on non-FFS payments to providers (in development); and submissions become quarterly, based on claim paid date
- Data universe of privately insured information
  - Carriers, PBMs, TPAs licensed in Maryland with  $\geq 1,000$  covered lives
  - Enrollees residing in Maryland (or covered under Maryland contracts)
    - Approximately 90% of privately insured MD residents included
    - About half of privately insured are in self-funded employer plans, which typically carve-out Rx and sometimes behavioral health from medical care plan

# MCDB File Details - Claims

- Components
  - Professional services; institutional services (one record per visit or stay as summarized by carrier); prescription drugs
- Contents
  - Covered services only
  - Financial fields: allowed amount, carrier payment, expected patient payment (copayment, deductible, other) ; out-of-network flag
  - National Provider Identifiers (NPIs) identify the organization and the individual professional that rendered the service; specialty is defined by the provider's taxonomy code
- Limitations typically associated with claims payment systems
  - Time gap between date service is rendered and date the claim is finalized
  - NPI of the professional who rendered the service may be omitted
  - Location zip code is for the address where payment is sent
  - Test results not included on the claims

# MCDB File Details – Patient Information

- Enrollment/disenrollment dates and plan information
  - Source of coverage: small employer, individual market, etc.
- Encrypted unique patient identifiers (3)
  - Specific to carrier/plan enrollment
  - MHCC’s Universally Unique Identifier (UUID) based on SSN
  - CRISP’s Master Patient Index from some submitters in 2014
- Patient protections: no names; birth day omitted; location identified only by zip code
- Information added by MHCC
  - Normalized versions of variables to resolve inconsistent information
  - Expenditure risk scores for enrollees with a year of enrollment
    - Chronic Illness & Disability Payment System (CDPS)



# Monitoring Measures from the MCDB

The measures below could be calculated for privately insured patients using the MCDB

- Subject to the inclusion/exclusion rules for defining the numerator & denominator and the information needed to define the rules
- Patient experience of care
  - ✓ Rate of physician follow-up after discharge
- Hospital cost & use measures
  - ✓ Medical imaging efficiency in hospitals (outpatients): 6 percentages.
  - ✓ Per capita hospital (inpatient and outpatient) expenditure growth
    - Denominator only: enrollment files OR survey (ACS)
  - ✓ Per capita health care expenditure growth
    - Numerator from summing relevant financial fields on claims data, and information on non-claims-based payments to providers from private payors
    - Denominator from enrollment files and denominator

# Annual Utilization Measures, 2012

	Source of Coverage			
	Private Employers (non-CSHBP)	Small Group	Individual	MHIP
<b>Enrollees</b>				
Total no. full-year enrollees	332,781	271,086	139,847	16,405
Percent of FY enrollees with a CDHP plan	<b>12%</b>	<b>44%</b>	28%	26%
<b>Spending</b>				
Mean spending, all services	\$3,011	\$3,470	\$2,185	<b>\$10,015</b>
Median spending, all services	\$795	\$929	\$505	<b>\$3,327</b>
<b>Percent paid out-of-pocket</b>	15%	21%	<b>32%</b>	17%
Mean OOP (\$)	\$436	\$734	\$702	<b>\$1,732</b>
Median OOP (\$)	\$126	\$315	\$239	<b>\$1,202</b>
<b>Percent with use</b>				
Inpatient facility	4%	4%	3%	<b>8%</b>
Outpatient facility	21%	24%	20%	<b>37%</b>
Professional Services	83%	85%	79%	<b>94%</b>
Labs/Imaging	70%	70%	65%	<b>85%</b>
Prescription drugs	68%	72%	<b>39%</b>	<b>89%</b>
<b>Median Expenditure Risk score</b>	0.24	0.24	0.19	<b>1.18</b>

# Hospital Performance Evaluation Guide

Problem Solver | Maryland.gov | Online Services | State Agencies | Phone Directory



**MARYLAND** The MARYLAND HEALTH CARE COMMISSION

Maryland Hospital Performance Evaluation Guide



Hospital Guide

Hospital Guide Home | Hospital Guide | Patient Guide | Practitioner Guide | Hospital Leader Guide

Comparison Reports  
Find a Hospital  
Find a Medical Condition  
Find a Quality Measure  
Find a Patient Experience Measure  
Healthcare-Associated Infections  
Pricing Guide  
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**Welcome to the Hospital Guide!**

The Hospital Guide is a tool for comparing and monitoring performance in Maryland hospitals.

If you are a Patient, our **Patient Guide** helps you find a hospital that provides a high quality of care for a specific medical condition or to compare hospital performance. Click any of the topics below to get started:

- [Heart Conditions](#)
- [Lung Conditions](#)
- [Surgeries](#)
- [Other Conditions](#)
- [Maternity Care](#)
- [Newborn Care](#)

If you are a Health Care Practitioner, The **Practitioner Guide** shows you where hospitals are performing well and where they can improve, as well as how you can provide quality care.

If you are a Hospital Leader, The **Hospital Leaders Guide** allows you to assess your hospital's performance and verify the data reported on your hospital.

**Hospital Guide**

- Comparison Reports
- Find a Hospital
- Find a Medical Condition
- Find a Quality Measure
- Find a Patient Experience Measure
- Healthcare-Associated Infections



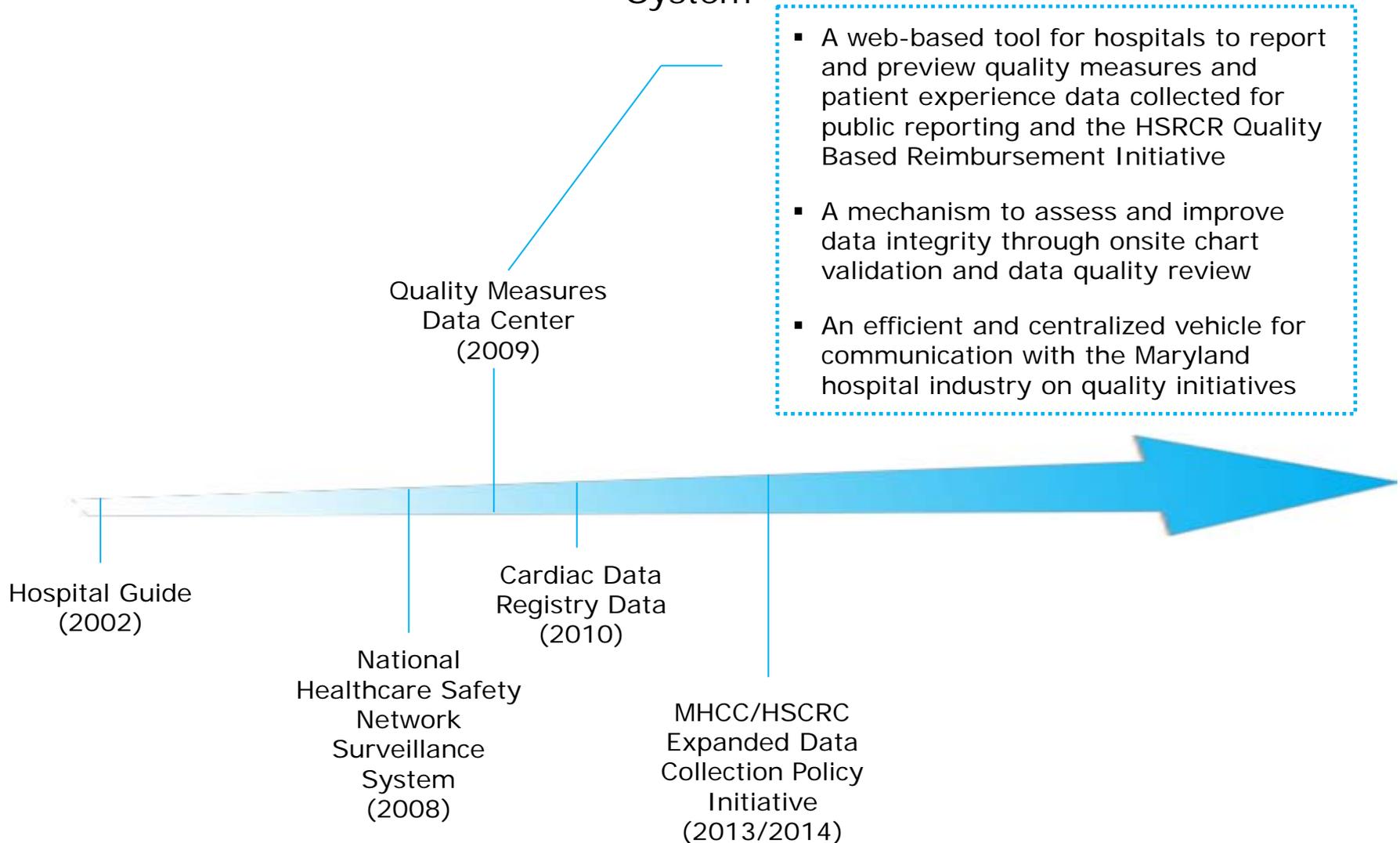
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# Hospital Performance Evaluation System

## A data collection and management system established for:

- Monitoring and publicly reporting on hospital performance and quality
- Supporting the all-payer hospital rate setting system and the HSCRC Quality Based Reimbursement Initiative
- Aligning with CMS hospital quality programs to demonstrate Maryland's ability to meet or exceed federal requirements

# The Hospital Performance Evaluation System



# The Current System

## Hospital Guide (2002)

State Agencies Visit Maryland The 5 Pillars Online Services Phone Directory

Maryland Health Care Commission

Stephen J. Salomon Chairman

MARYLAND

North Chazy Governor

Arnell C. Brown Lt. Governor

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Save the Date: July 15, 2009

The Maryland Health Care Commission will hold a conference call and Webinar to demonstrate the data submission functionality and reporting processes of the Maryland QMDC. The demonstration will be followed by a question and answer forum. [Read more >>](#)

Ability to submit data will be provided by September 01, 2009. To be notified, subscribe to our alerts.

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## Quality Measures Data Center (2009)

Maryland Quality Measures Data Center

Welcome, Guest

Sign In

Home

Getting Started

How to Submit Data

Data Validation

Important Dates

Education & Training

Frequently Asked Questions

Welcome to the Maryland Quality Measures Data Center

The Maryland Quality Measures Data Center at a glance

The Quality Measures Data Center (QMDC) was created by the Maryland Health Care Commission (MHCC) to promote timely and informative reporting on Maryland's Hospital Performance Evaluation Guide Web site.

The QMDC will position Maryland providers as leaders in data collection and high-quality care. The aggregate data posted on the Hospital Performance Evaluation Guide Web Site will help providers track their successes and focus on improvements, benefiting both providers and patients in the state of Maryland.

Learn more about the QMDC and its goals or learn more about MHCC by visiting their [Web site](#).

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# The New System (Under Development)



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- Emergency Care ▸
- Heart ▸
- Infections ▸
- Lungs ▸
- Maternity / Newborn ▸
- Other ▸
- Patient Experience
- Pricing



*Preventing serious infections*

## News & Events

### *Statewide Hospital Briefing*

Slide presentations are now available for download from the Statewide Hospital Briefing and the QMDC Quarterly Meeting. Please visit [Education and Training](#) page to learn more.

[More](#)

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# Hospital Quality & Performance Data

- Process of Care Measures (CMS Core Measures)
- 30-day Readmission; 30-day mortality
- Common Medical Conditions/Maternity & Newborn
- Patient Experience Measures
- Healthcare Associated Infections Initiative
  - Healthcare Worker Influenza Vaccination
  - Surgical Site Infections- Hip, Knee, CABG, Colon, Abd Hysterectomy
  - Central Line Associated Bloodstream Infections in ICUs
  - CAUTI in ICUs, *C.difficile*, MRSA bacteremia
- NCDR Cardiac Data Registry Data
- *Data Validation*

# Questions?

<http://mhcc.dhmh.maryland.gov/Pages/consumerinfo.aspx>