



# Wisconsin Health Information Organization

**Julie Bartels**

Executive Director, WHIO



# Background re: WHIO

- Wisconsin Health Information Organization (WHIO)
  - Voluntary
  - 501(c)3 Non Profit
  - Conceptualized and funded by of group of visionary – but very diverse -- Founding Organizations
  - Shared commitment to improving quality, safety, efficiency and affordability of health care in WI



The logo for the Wisconsin Health Information Organization, featuring the word "Wisconsin" in blue above "HEALTH INFORMATION" in white on a dark green background, with "Organization" in blue below. To the right is a stylized graphic of a person's profile and a bar chart.

Wisconsin

HEALTH INFORMATION

Organization

# Background re: State Involvement

- WI Stat Chapter 153
  - Calls for collection and dissemination of health care and related information for public consumption
- Inpatient and Outpatient Hospital Data
  - WI Hospital Association
- POVD – Patient Office Visit Data
  - Initiated in 2001, funded by annual provider assessment
  - Terminated in 2006 based on expense and inability to meet data requirements
  - Law amended to allow service contract with third party data provider



# WHIO Mission

*To create and maintain a centralized health care data repository that can be used to improve quality, affordability, safety and efficiency of health care delivered in WI*







# Public-Private Collaboration



- **Greater Milwaukee Business Foundation on Health**
- **Humana**
- **The Alliance**
- **United Healthcare of WI**
- **Anthem BC/BS of WI**
- **WEA Insurance Trust**
- **WPS Health Insurance**
- **Wisconsin Medical Society**
- **Gundersen Lutheran Health Plan**
- **MercyCare Insurance**
- **Security Health Plan**
- **The Wisconsin Collaborative for Healthcare Quality**
- **Wisconsin Department of Health Services**
- **The Wisconsin Collaborative for Healthcare Quality**
- **Wisconsin Department of Employee Trust Funds**
- **Wisconsin Hospital Association**
- **Group Health Cooperative South Central Wisconsin**
- **Health Tradition Health Plan**
- **Dean Health Plan**



# Establishing Value in Healthcare

**Quality / Cost = Value**

- **Conclusions drawn on incomplete information may be erroneous**
  - **Quality at any cost is unaffordable and unsustainable**
  - **Cost regardless of quality can lead to inappropriate and unproductive health care decisions**
- **Value adds a sense of ‘worth’ from a patients perspective to the health care decision making process.**





# WI Healthcare Analytics



- Wisconsin Collaborative on Healthcare Quality
  - Clinical quality measures
- Wisconsin Hospital Association CheckPoint and PricePoint
  - Inpatient and Outpatient cost and quality reporting
- WHIO
  - Quality process measures
  - Health care services utilization/cost measures

# The Data

- 28% of Wisconsin's population
  - 1.6 million Members:
  - 72,281 provider entities (both people and facilities)
  - 72.7 million Claim Records:
  - 7.3 million care episodes
  - \$7.9 Billion Total Standard Cost







Wisconsin

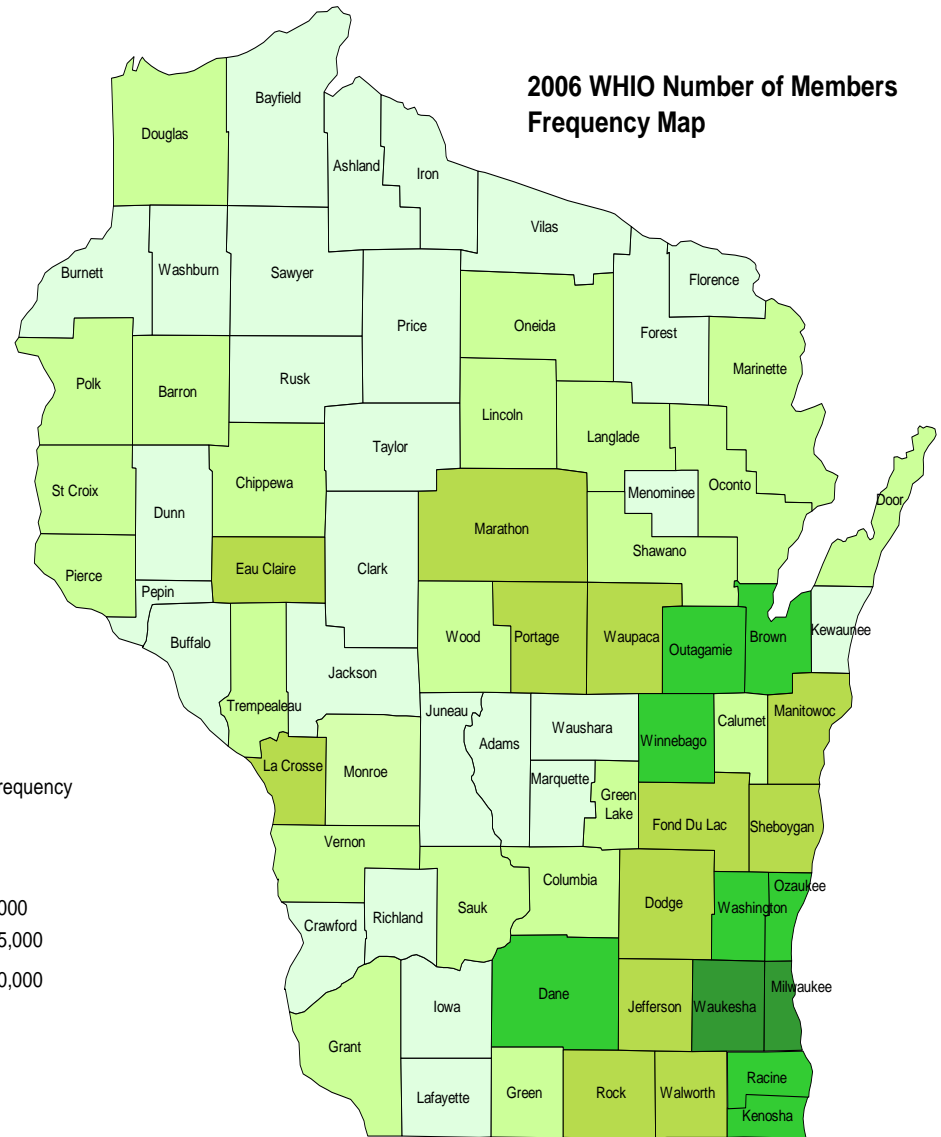
**HEALTH INFORMATION**

Organization

# The Source

- **Current:**
  - Anthem Blue Cross Blue Shield
  - Humana
  - United Healthcare of WI
  - WEA Trust Insurance
  - WPS
- **2010 :**
  - Medicaid
  - Dean Health Plan
  - Gundersen Lutheran
  - Security Health Plan
  - Group Health Cooperative – South Central

# Current Geographic Distribution of WHIO Data



# Building Perspective

## Population View -

Captures variation in care among population components and highlights where opportunities for broad based care improvement exists:

- Gaps in quality
- Access to care
- Elderly or Adolescent care
- Disease Prevalence
- Treatment over/under use





# Building Perspective

## Provider View -

Measures variation in practice that lead to less than optimal care

- Compliance with national quality of care standards for specific conditions or preventive care
- Relative over use (or under use) of health care services
- Identification of peer group average
- Identification of best practice







# WHIO Analytics

# Ex. Population Analytics

<b>MDC*</b>  Diseases of:	<b>Total Standard Cost</b>	<b>Total Inpatnt Admits</b>	<b>Standard Cost per Admission</b>	<b>30 Day Re- admit rate</b>	<b>30 Day Re- admit count</b>
<b>Circulatory System</b>	<b>\$459,768,184</b>	<b>24,398</b>	<b>\$18,845</b>	<b>0.09</b>	<b>2,212</b>
<b>Musculoske letal System and Connective Tissue</b>	<b>\$335,984,835</b>	<b>20,204</b>	<b>\$17,620</b>	<b>0.08</b>	<b>1,619</b>
<b>Digestive System</b>	<b>\$191,815,255</b>	<b>15,818</b>	<b>\$12,126</b>	<b>0.09</b>	<b>1,451</b>
<b>Respiratory System</b>	<b>\$151,991,283</b>	<b>12,171</b>	<b>\$12,488</b>	<b>0.10</b>	<b>1,194</b>
<b>Pregnancy</b>	<b>\$148,241,587</b>	<b>19,982</b>	<b>\$7,417</b>	<b>0.03</b>	<b>571</b>

# Ex. Population Analytics

## Quality Measures by Condition

<b>Condition Category</b>	<b>National Standard for Care</b>	<b># pts meeting selection criteria for testing</b>	<b># of pts receiving test(s)</b>	<b># pts not receiving test(s)</b>	<b>Frequency national std of care for pts is met</b>
<b>Diabetes (Endocrine)</b>	<b>Adults with LDL cholesterol in last 12 mo</b>	<b>155,449</b>	<b>96,904</b>	<b>58,595</b>	<b>0.62</b>
<b>Preventive</b>	<b>Breast Cancer Screening</b>	<b>321,126</b>	<b>218,942</b>	<b>102,184</b>	<b>0.68</b>
<b>Cardiology</b>	<b>Pts with lipid profile during yr</b>	<b>71,929</b>	<b>28,591</b>	<b>43,338</b>	<b>0.40</b>

# Ex. Provider Quality Process Analytics

<b>Measure</b>	<b>Practice Group Performance</b>	<b>Peer Practice Group Performance</b>	<b>Best Practice Provider Group Performance / compliance target</b>
<b>Diabetes: Pts with LDL Cholesterol Test in last 12 mo.</b>	<b>.97</b>	<b>.80</b>	<b>.97/1.00</b>
<b>Preventative: Pts with Mammogram screening in last 12 mo.</b>	<b>.71</b>	<b>.81</b>	<b>.95/1.00</b>
<b>Cardiology: Pts with lipid test in measurement year</b>	<b>.87</b>	<b>.77</b>	<b>.93/1.00</b>



# Ex. Provider Utilization Analytics

<b>Type Of Service</b>	<b>Provider Performance</b> -Frequency -Cost per episode	<b>Peer Group Performance</b> -Frequency -Cost per episode	<b>Provider Performance Index</b>
<b>Laboratory</b>	<b>696</b> <b>\$40.89</b>	<b>968</b> <b>\$52.83</b>	<b>.72</b> <b>.77</b>
<b>Radiology</b>	<b>129</b> <b>\$46.09</b>	<b>228</b> <b>\$59.15</b>	<b>.57</b> <b>.78</b>
<b>Pharmacy</b>	<b>2868</b> <b>\$197.38</b>	<b>4626</b> <b>\$298.45</b>	<b>.62</b> <b>.66</b>



Wisconsin

HEALTH INFORMATION

Organization

# The Opportunity

- **Refocus the health care debate with an emphasis on VALUE**
  - Increase value to the patient by raising quality and/or decreasing cost
  - A sense of worth or value is determined by applying what the patient knows/understands about care options to their personal circumstance.
    - Educating patients/caretakers is an essential part of the solution
- **Waste Reduction is only way to reduce health care cost**
  - Waste is anything not value added to the patient
  - Experts suggest that as much as 30% to 50% of the cost of health care is waste
    - Consider that good news and focus on eliminating it

The logo for the Wisconsin Health Information Organization, featuring the word "Wisconsin" in blue above "HEALTH INFORMATION" in white on a dark green background, with "Organization" in blue below. A stylized graphic of a person's profile is on the left, and a grid of squares is at the top left.

Wisconsin

HEALTH INFORMATION

Organization

# The Opportunity

- **Set expectations that health care decisions be based on facts.**
  - Use Population Analytics to identify opportunities for improvement
  - Use Provider Analytics to identify best practices
  - Design reimbursement programs and benefit plans that encourage and reward the right behaviors in patients and providers



# To Continue the Conversation

Julie Bartels

[Julie.Bartels@ThedaCare.Org](mailto:Julie.Bartels@ThedaCare.Org)

WisconsinHealthInfo.Org

920-336-0409

920-339-0409

