

Transparency for Quality Improvement Efforts

**at the Kentucky Cabinet for
Health and Family Services (CHFS)**

**Trudi Matthews, MA
Senior Policy Advisor
Office of the Secretary**



Trudi Matthews et al.



Cabinet for Health and Family Services
Slide #2



Kentucky Legislation & Policy

- 2005 law (HB 278) ➡ Secretary's Advisory Committee on Transparency
- Transparency ➡ 2006 law (HB 380) on public release of cost and quality data
- Health Care Information Center Website:
 - Launched March 2007
 - Data on avoidable hospitalizations & inpatient quality
 - Consumers can compare KY hospitals on quality
 - <http://chfs.ky.gov/ohp/healthdata/>

Kentucky: Cabinet for Health and Family Services - Health Care Information Center - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back

Search

Favorites

Address <http://chfs.ky.gov/ohp/healthdata/> Go Links >>

Kentucky.gov

KY Agencies | KY Services | Search CHFS for Go

KENTUCKY

CABINET FOR HEALTH AND FAMILY SERVICES

About CHFS | Contact Us | Site Review | Forms and Documents | Información en Español

Home > Office of Health Policy > Health Care Information Center > **Health Care Information Center**



Health Care Information Center Home

Message from the Governor

Access the Reports

[To learn more about inpatient quality indicators and to access the reports, please click here.](#)

Message from the Governor

Health Care Information Center

Welcome to the Commonwealth of Kentucky's Health Care Information Center. Health care is very individualized to patient needs and patient care. As consumers, it is important that we all have access to reliable information about health care costs and quality to assist in making the best, most informed decisions.

The center provides both performance and outcome information on hospitals in Kentucky, as well as information about quality of care. Additionally, we will provide measurements of how well preventive care efforts are working to reduce the number of inpatient stays in Kentucky hospitals.



How did KY staff use the AHRQ Tools?

- AHRQ Diabetes Guide and Workbook helped direct staff to:
 - Look at chronic diseases & focus on diabetes
 - Assemble most recent data in formats of the Diabetes Guide
 - Be productive in the analysis phase
 - Interpret data with better understanding
 - Achieve credibility by using national measures and AHRQ methods

Data Sources

The Kentucky CHFS collects:

- **UB-92 inpatient records:**
 - 600,000 per year
 - All Kentucky hospitals
 - **Outpatient surgery records:**
 - Hospital-based
 - Some ambulatory surgery centers
 - **Public Health Data** – BRFSS, Vital Statistics, etc.
 - **Medicaid & State employee claims**
- Procedures & Diagnoses
 - Volume
 - Length of stay
 - Charges
 - HCUP Partner

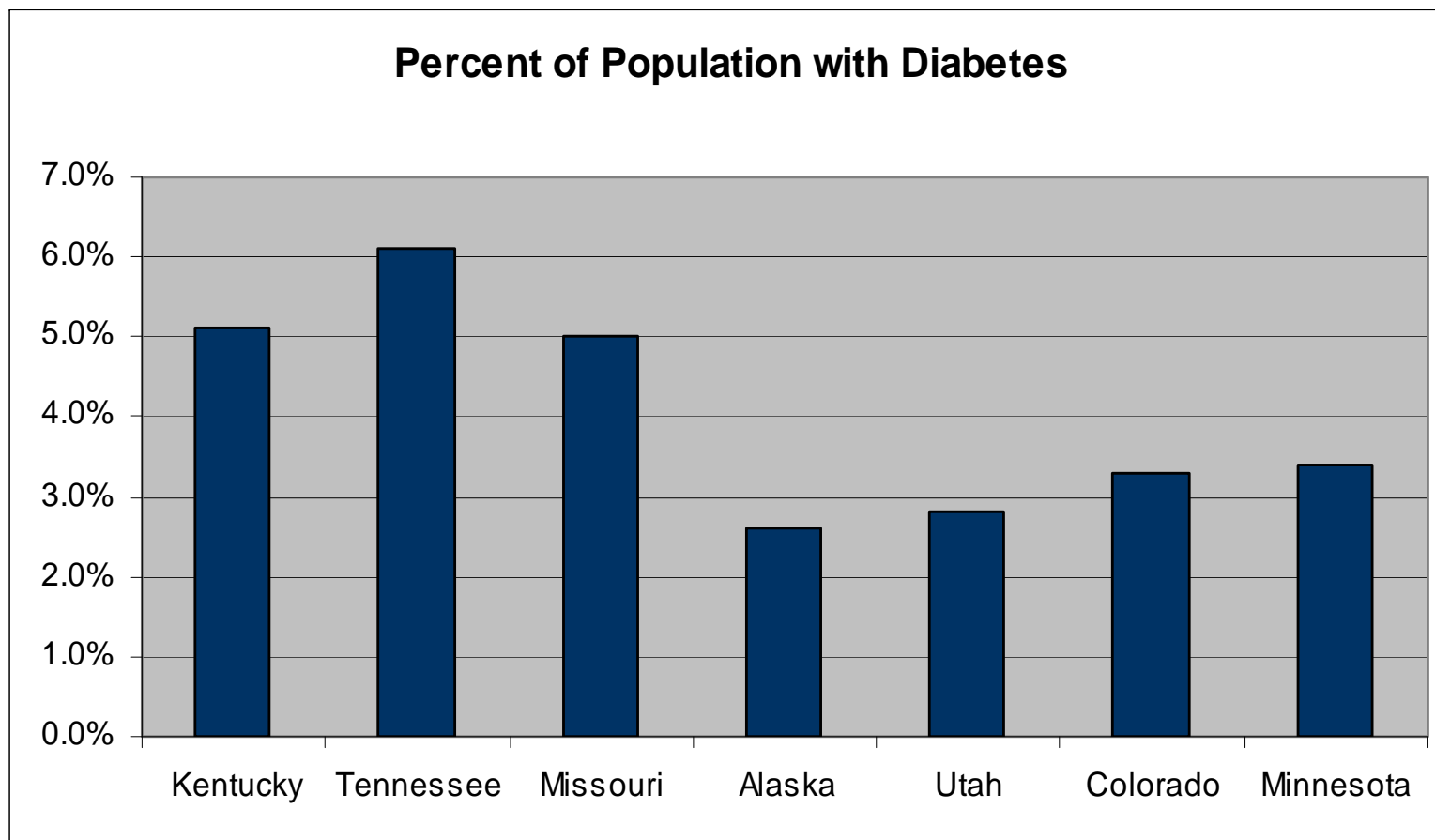
Quality Measures

- Non-proprietary consensus-based sources:
 - AHRQ: Agency for Healthcare Research and Quality
 - CMS: Centers for Medicare and Medicaid Services
 - Others (JCAHO, NQF, etc.)
 - Measures being used now:
 - Prevention Quality Indicators
 - Inpatient Quality Indicators
 - Patient Safety Indicators
 - CMS Hospital Compare
- AHRQ Quality Indicators

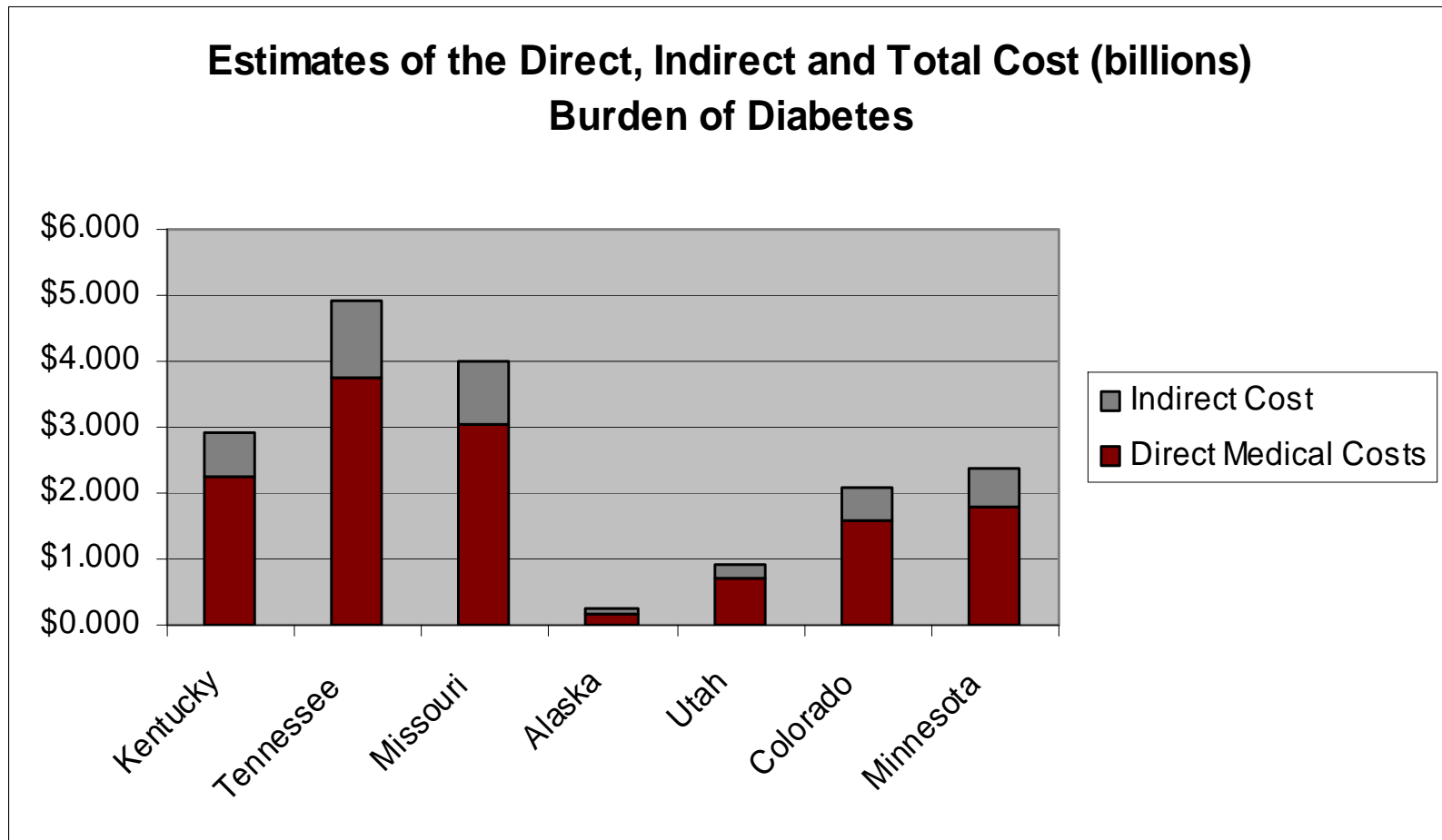
Kentucky and Health Status

- Kentucky: among worst health outcomes in US:
 - 2nd highest death and disability rates
 - 6th highest obesity prevalence
- Diabetes:
 - 7th highest adult diabetes prevalence
 - Some Eastern counties nearly double national diabetes rates

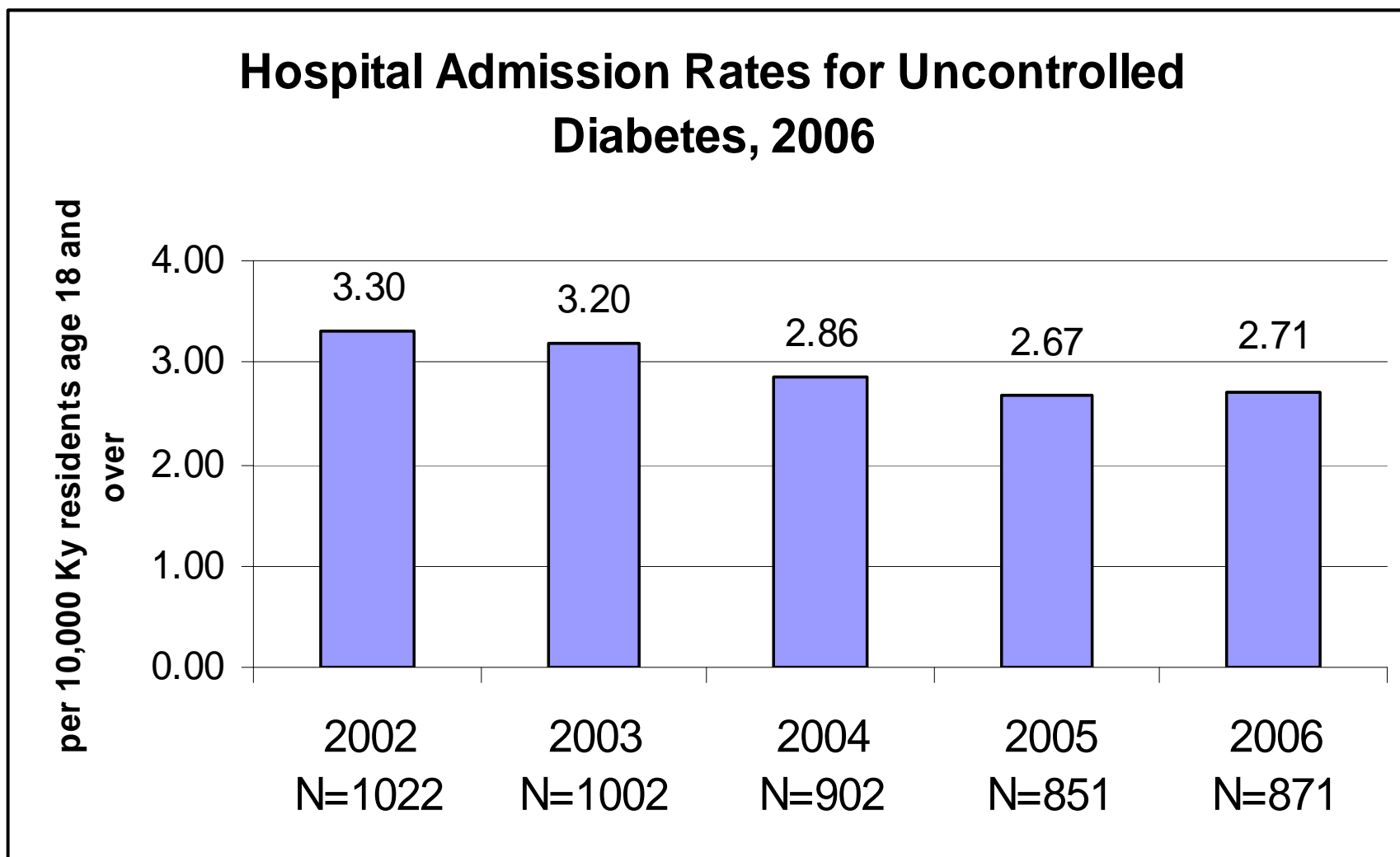
Obtained from Diabetes Guide: KY Compared to Worst/Best-in-Class States



Obtained from the Diabetes Guide

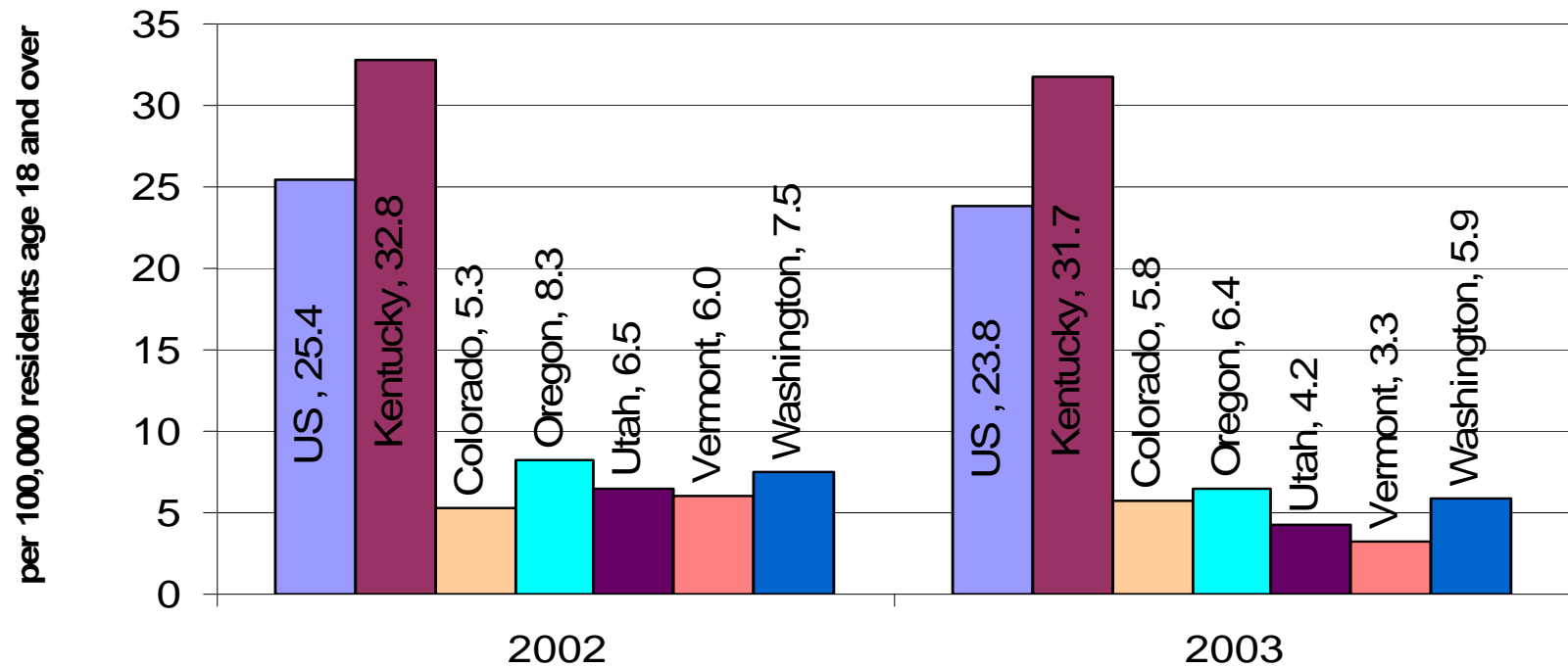


Estimated Using Ideas from the Diabetes Guide + HCUP Data



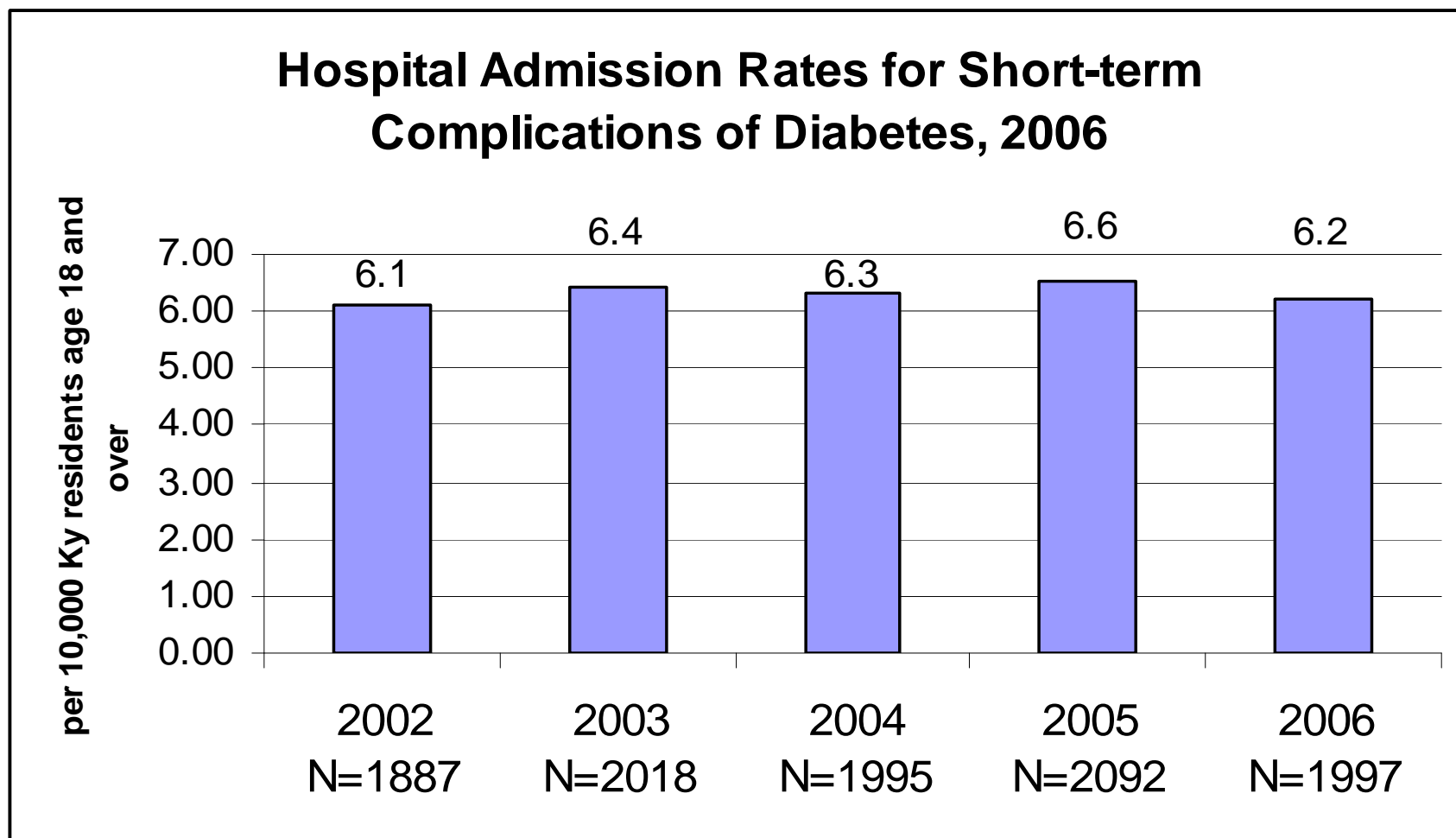
New Display Using Diabetes Guide Data

Comparison of Hospital Admission Rates for Uncontrolled Diabetes for US, KY, and Best Performing States*

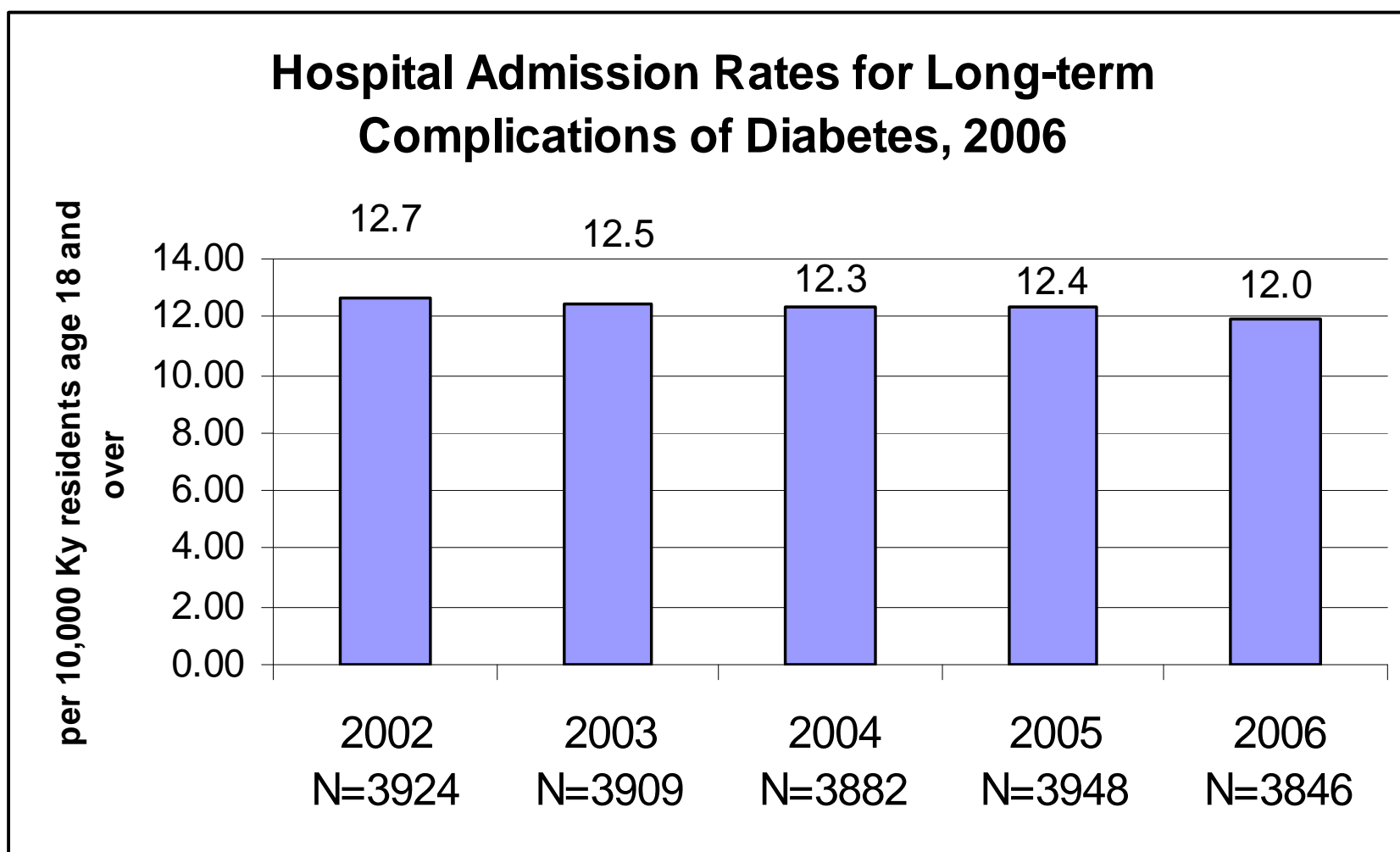


*Rates are risk adjusted for age and gender

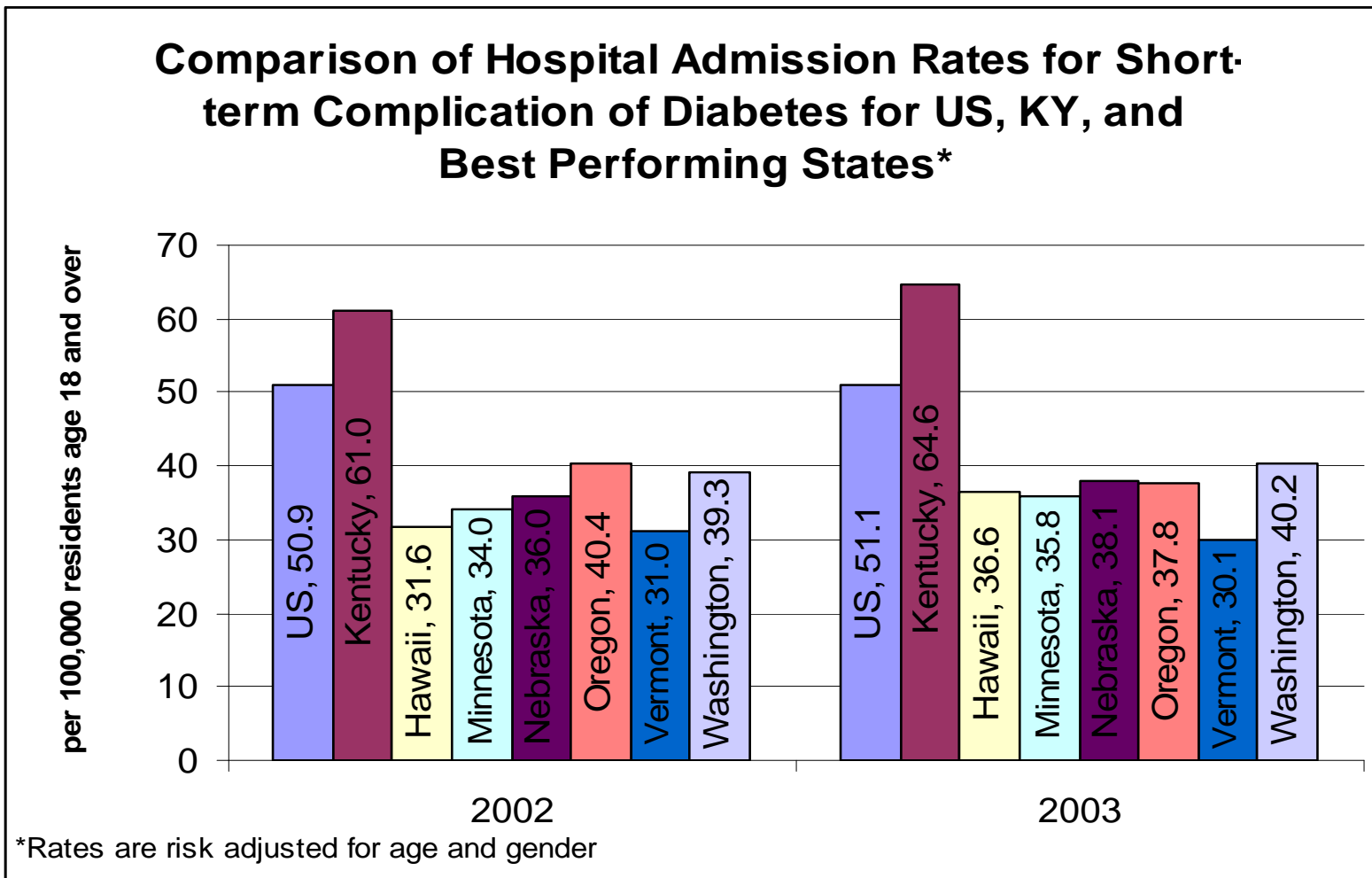
Estimated Using Ideas from the Diabetes Guide + HCUP Data



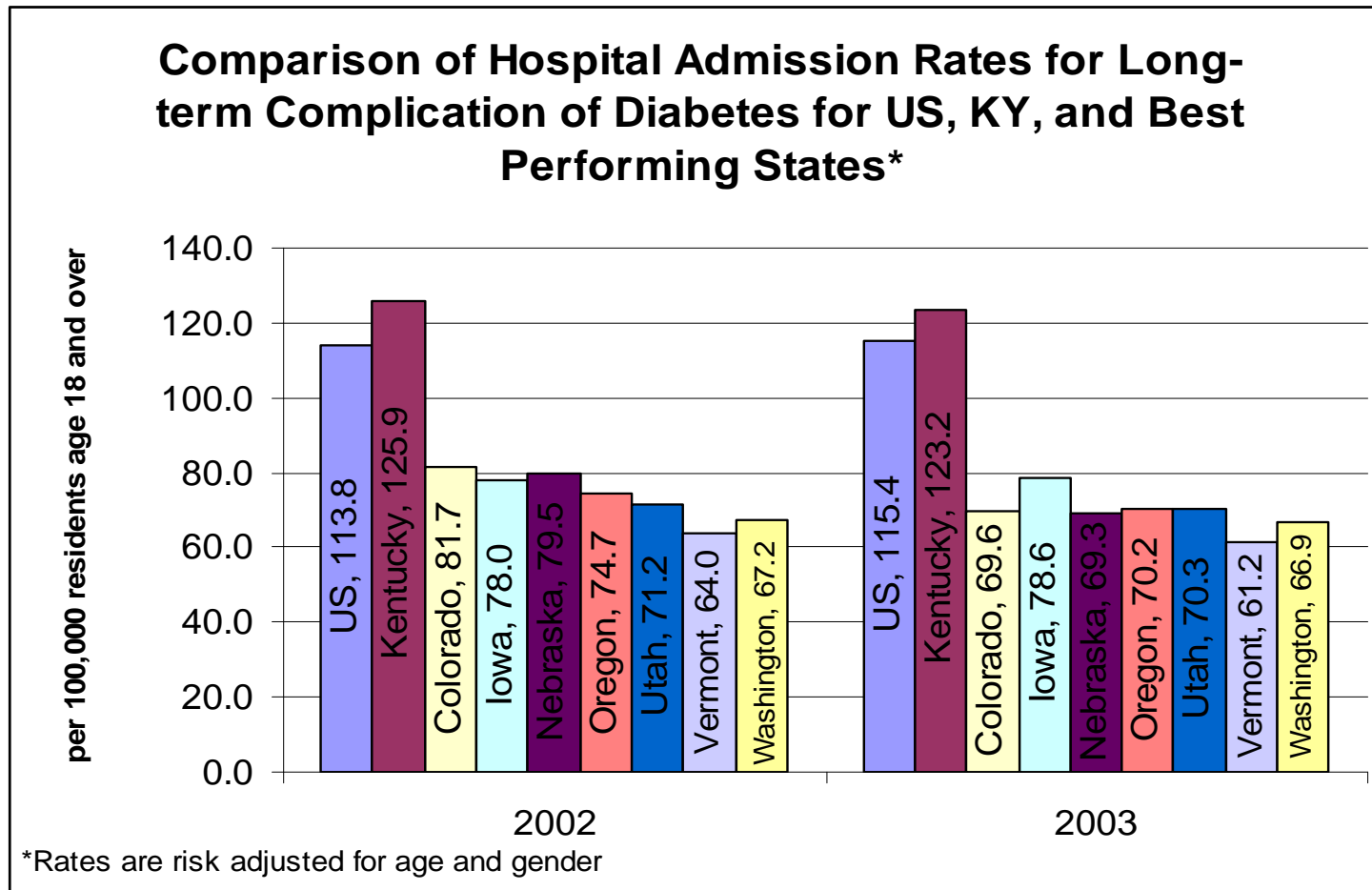
Estimated Using Ideas from the Diabetes Guide + HCUP Data



New Display Using Diabetes Guide Data



New Display Using Diabetes Guide Data

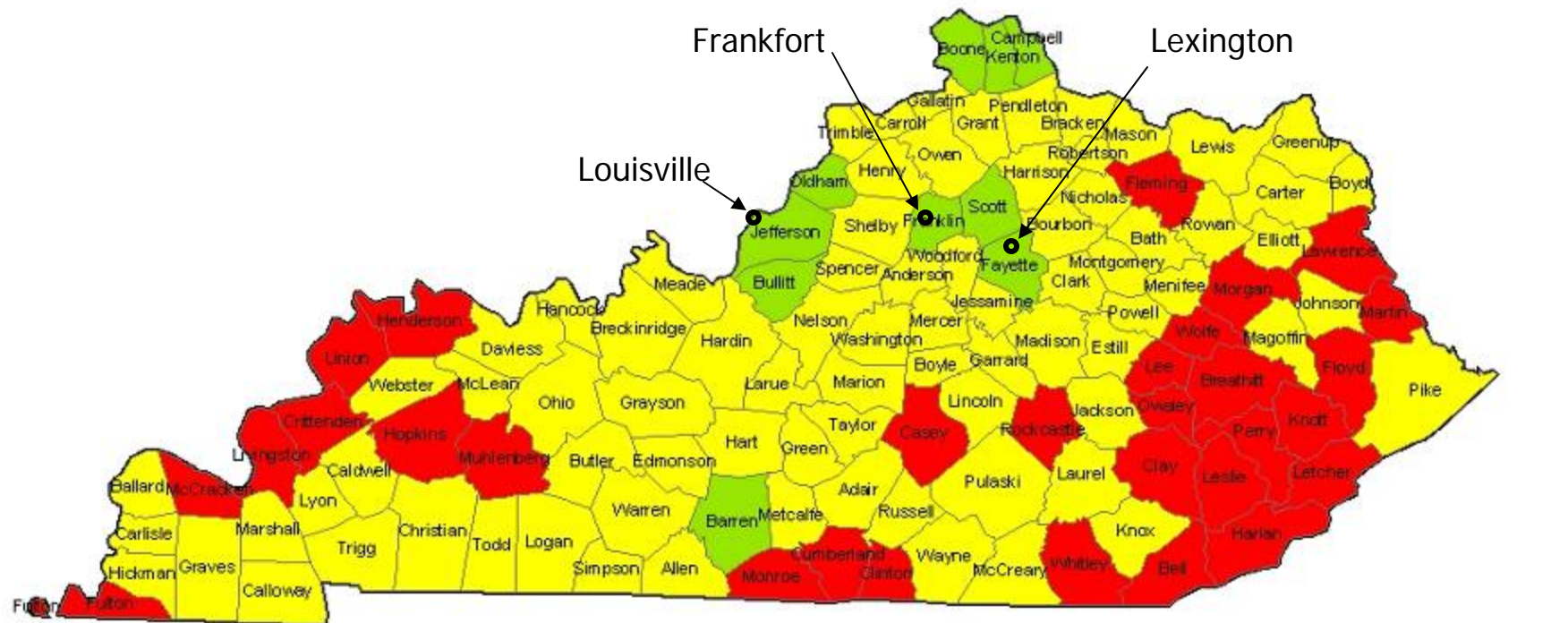


County-Level Quality Improvement Data

GIS Mapping: Using HCUP Data & AHRQ Mapping Software

Uncontrolled Diabetes Admission Rate (PQI 14)

Based on Kentucky Hospital Inpatient Discharge Claims
January 1, 2006 to December 31, 2006



National rate per 1,000 population* is .22**
State rate per 1,000 population* is .27

PQI 14 Risk Adjusted Rate (Considering Margin of Error)

- Below National Average
- Comparable to National Average
- Above National Average

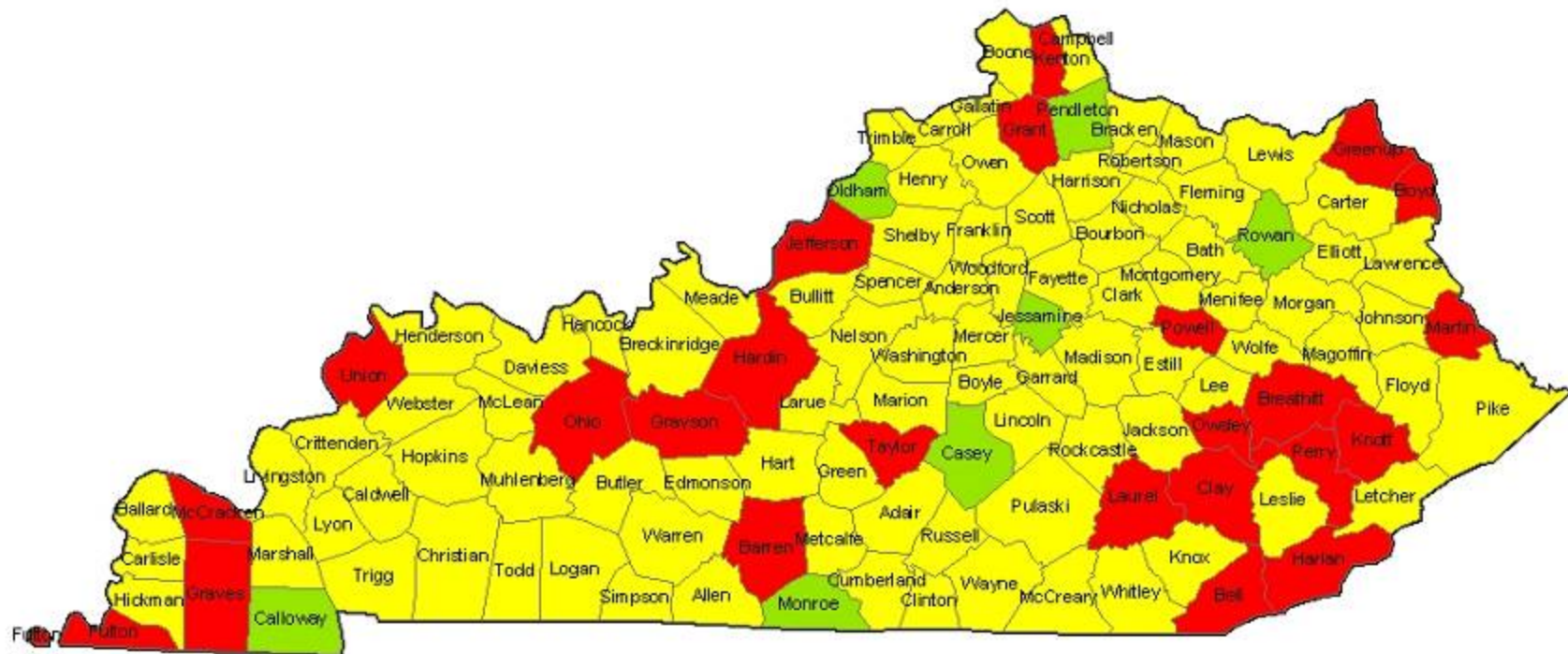
*Population age 18 years or older

**Source: Nationwide Inpatient Sample, 2004, AHRQ Web Site: <http://www.qualityindicators.ahrq.gov>

Rev: May 2007

Diabetes Short-term Complications Admission Rate (PQI 1)

Based on Kentucky Hospital Inpatient Discharge Claims
January 1, 2006 to December 31, 2006



National rate per 1,000 population* is .55**
State rate per 1,000 population* is .63

PQI 1 Risk Adjusted Rate (Considering Margin of Error)

- Below National Rate
- Comparable to National Rate
- Above National Rate

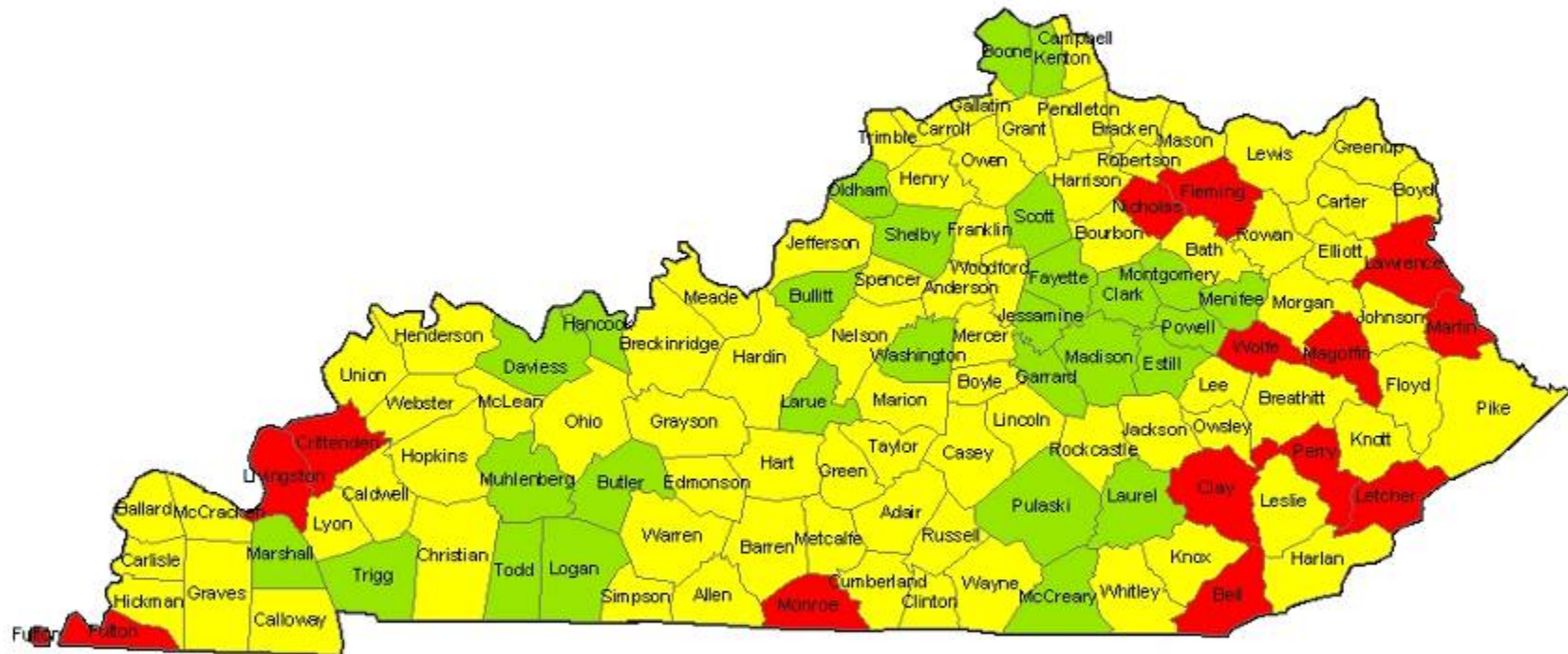
*Population age 18 years or older

**Source: Nationwide Inpatient Sample, 2004, AHRQ Web Site: <http://www.qualityindicators.ahrq.gov>

Rev: May 2007

Diabetes Long-term Complications Admission Rate (PQI 3)

Based on Kentucky Hospital Inpatient Discharge Claims
January 1, 2006 to December 31, 2006



National rate per 1,000 population* is 1.27**
State rate per 1,000 population* is 1.16

PQI 3 Risk Adjusted Rates (Considering Margin of Error)

- Below National Rate
- Comparable to National Rate
- Above National Rate

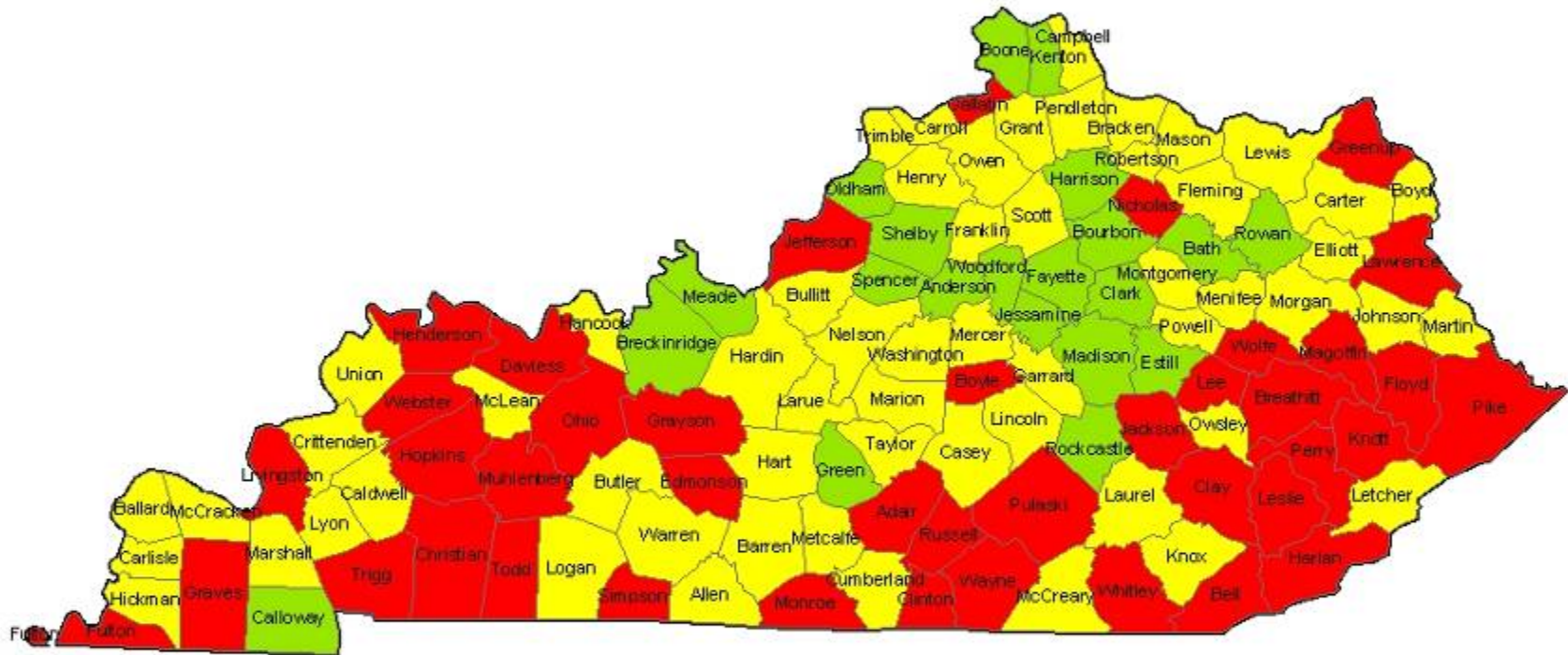
*Population age 18 years or older

**Source: Nationwide Inpatient Sample, 2004, AHRQ Web Site: <http://www.qualityindicators.ahrq.gov>

Rev: May 2007

Adult Asthma Admission Rate (PQI 15)

Based on Kentucky Hospital Inpatient Discharge Claims
January 1, 2006 to December 31, 2006



National rate per 1,000 population* is 1.21**
State rate per 1,000 population* is 1.46

PQI 15 Risk Adjusted Rate
(Considering Margin of Error)

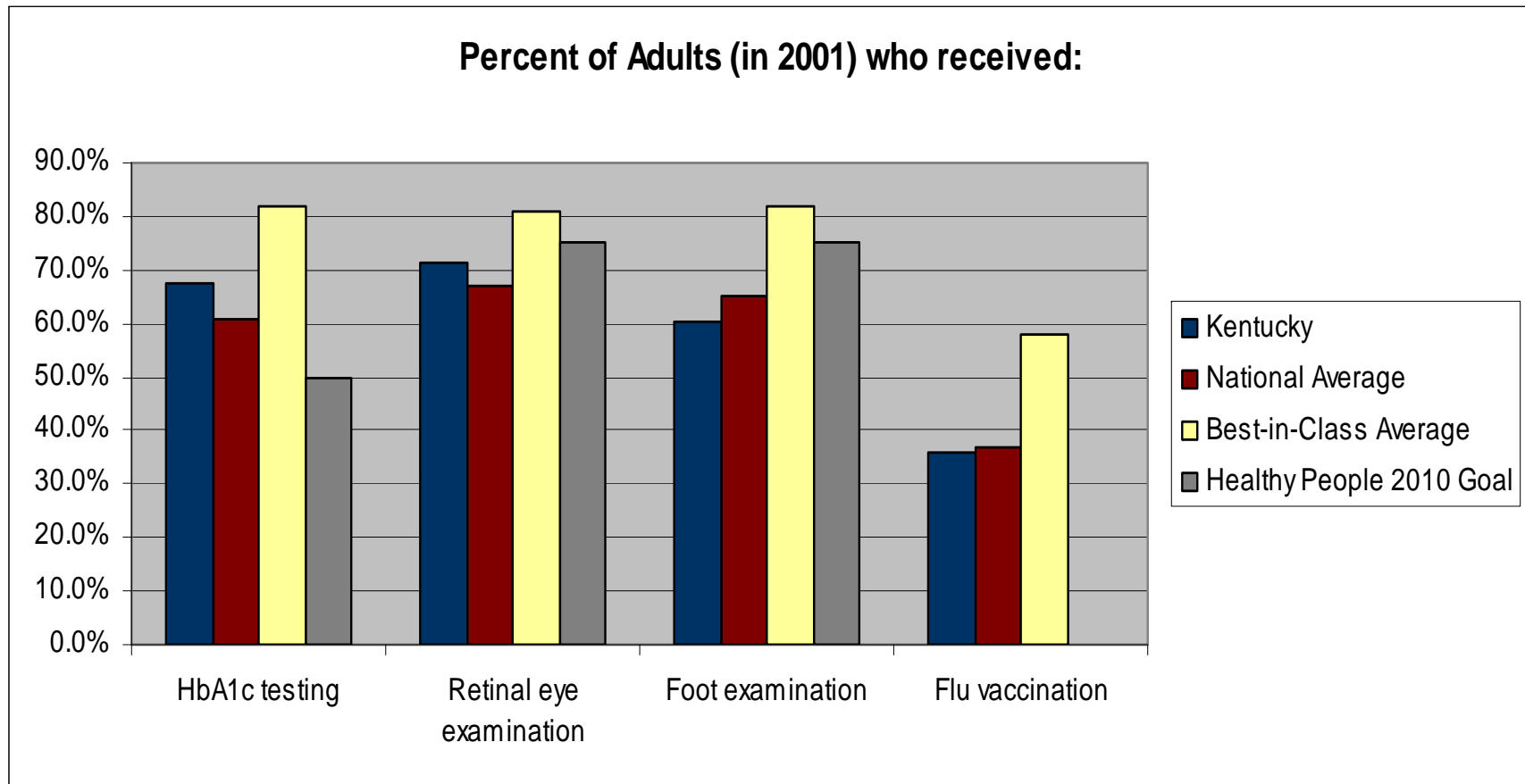
- Below National Rate
 Comparable to National Rate
 Above National Rate

*Population age 18 years or older

**Source: Nationwide Inpatient Sample, 2004, AHRQ Web Site: <http://www.qualityindicators.ahrq.gov>

Rev: May 2007

New Display Using Diabetes Guide Data



Source: BRFSS & Diabetes Guide

Target areas

Conclusion

- Governor committed to transparency efforts
- Transparency (Data & Measurement) is first step to quality improvement
- Diabetes Guide critical tool for how best to present our data
- KY must take more steps to facilitate quality improvement
- The Guides give us credibility in our QI efforts

Contact Information

“I’m sorry I couldn’t be with you.”

-Trudi Matthews

tlmatthews@juno.com

859-333-8067 (cell)

For Policy Discussion Roundtable: States Involved in AHRQ Activities on Asthma

- **Learning Partnership – Disparities in Pediatric Asthma**
 - Pilot testing state-led model: AZ, MD, MI, NJ, OR, RI
 - Activities with States:
 - Learning institutes
 - Planning support
 - Technical assistance (e.g., Cultural competency training)
- **Specific Examples:**
 - Michigan Asthma Coalition:
 - Trained on asthma disparities ; collecting data on children's disparities
 - Stimulated asthma ROI calculator -- decision on county program
 - Oregon:
 - Used GIS mapping to target high prevalence counties to reduce asthma disparities among low-income children (for telemedicine?)
 - Rhode Island
 - Rhode Island Healthy Homes: Developed assessment tool to identify children with asthma in low-income housing (w/ housing authority) & refer to community health centers and DOH)