

Transparency for Quality Improvement Efforts

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

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Trudi Matthews et al.



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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/>

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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

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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

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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

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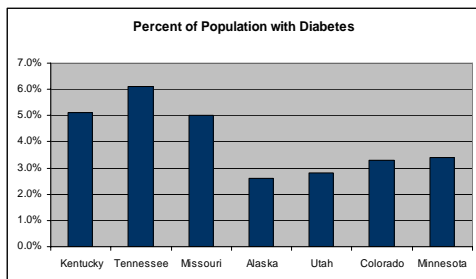
Kentucky and Health Status

- 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

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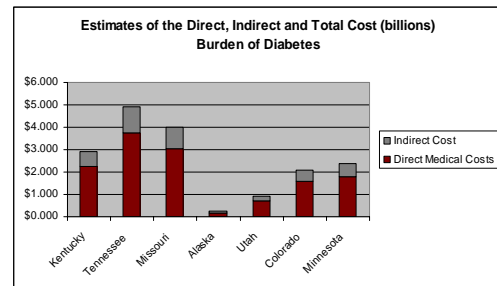
Obtained from Diabetes Guide: KY Compared to Worst/Best-in-Class States



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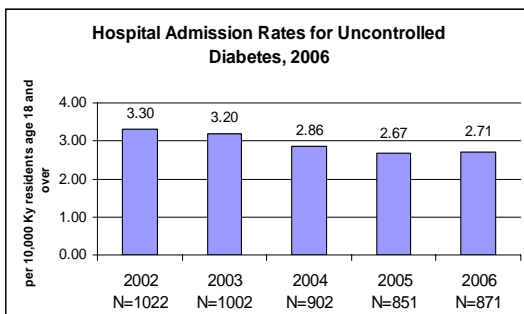
Obtained from the Diabetes Guide



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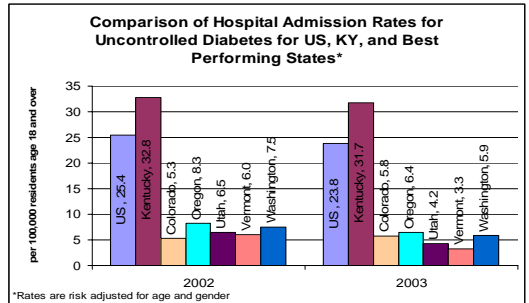
Estimated Using Ideas from the Diabetes Guide + HCUP Data



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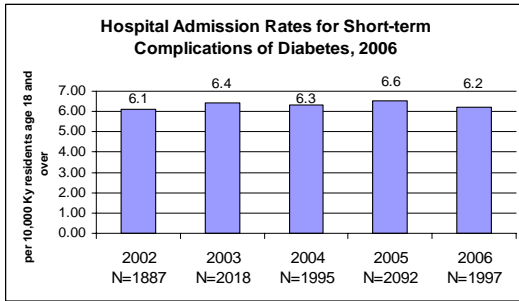
New Display Using Diabetes Guide Data



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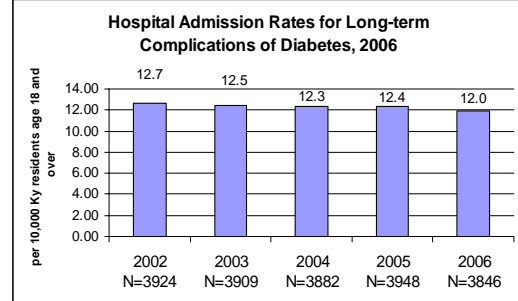
Estimated Using Ideas from the Diabetes Guide + HCUP Data



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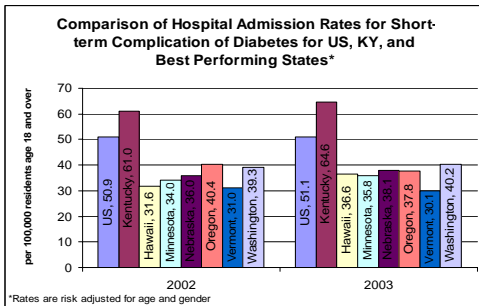
Estimated Using Ideas from the Diabetes Guide + HCUP Data



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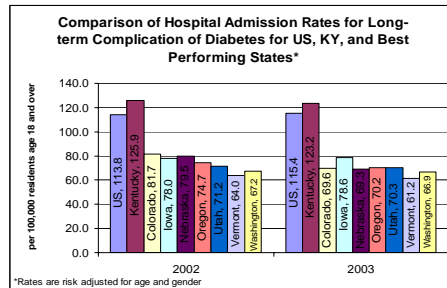
New Display Using Diabetes Guide Data



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New Display Using Diabetes Guide Data



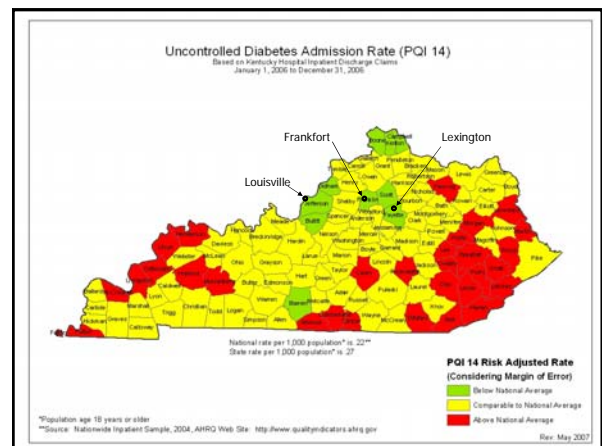
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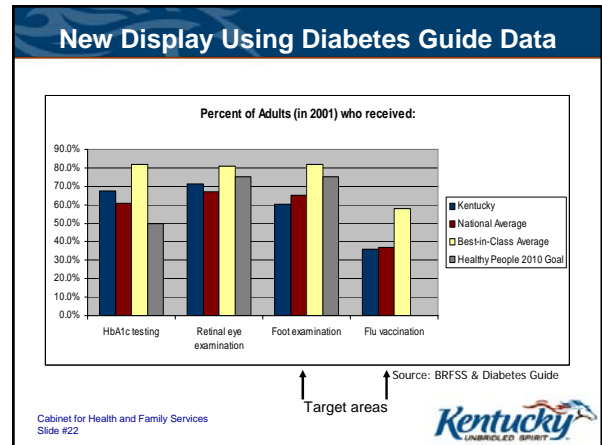
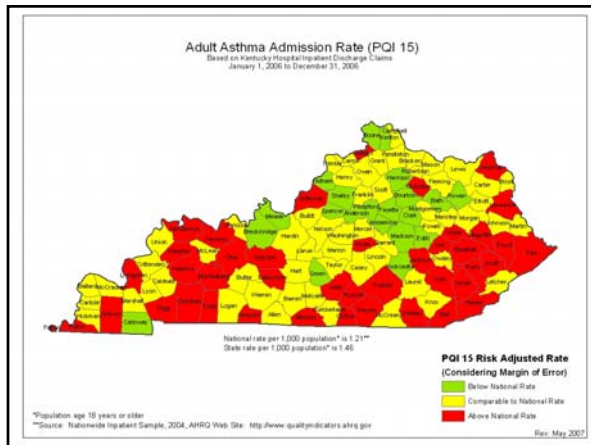
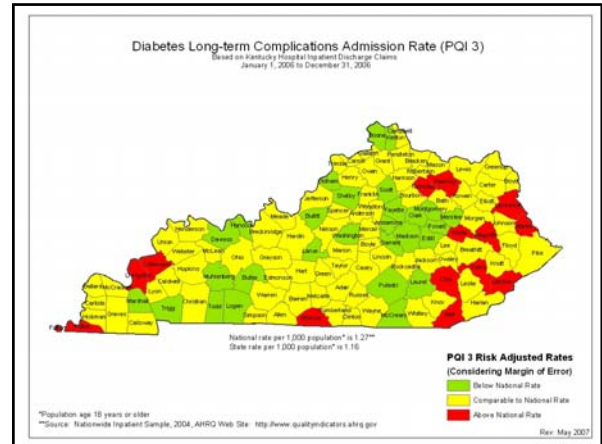
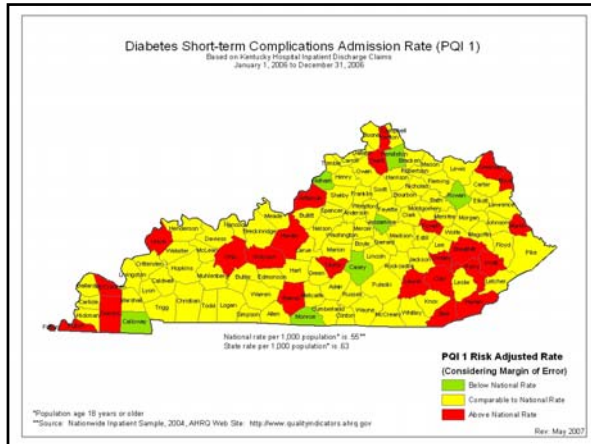


County-Level Quality Improvement Data

**GIS Mapping:
Using HCUP Data
&
AHRQ Mapping Software**

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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

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Contact Information

"I'm sorry I couldn't be with you."
-Trudi Matthews

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**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)