From Databases to Policy Spaces:
An Introduction to Kentucky’s Office of Health Data and Analytics

Angela Taylor
Data Architect & Senior Manager
angela.taylor@ky.gov

Kentucky Cabinet for Health and Family Services
Office of Health Data and Analytics
Division of Analytics
Agenda

Part I – Evidence-Based Policy, and the Role of Administrative Data in Forming Conclusions

Part II – How the Office of Health Data and Analytics Serves the Commonwealth of Kentucky

Part III – Example Projects that Have Been Completed by the Division of Analytics
Part I:

KENTUCKY’S PURSUIT OF EVIDENCE-BASED POLICY FOR HEALTH AND FAMILY SERVICES
How Healthy are Kentuckians?

According to the UnitedHealth Foundation’s America’s Health Rankings® 2019 Annual Report, Kentucky’s overall ranking is 43rd in the U.S.

**Strengths**
- 4th in high school graduation rates
- 7th in violent crime
- 9th in rates of uninsured citizens
- 11th in rates of excessive drinking

**Challenges**
- 49th in smoking
- 50th in preventable hospitalizations
- 50th in physical inactivity
- 50th in cancer deaths
Evidence-Based Policy: The National Landscape

Most States Show Modest Levels of Evidence-Based Policymaking

Source: Pew analysis of statutes, administrative codes, executive orders, and state documents
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Could Kentucky Use Data to Become a Healthier State?

• Kentucky policy makers need information *quickly*, and in an *easily digestible* format, if it is to be useful for their decisions.
  – “How many Kentuckians are enrolled in Medicaid? Has this number significantly changed in recent years?”

• Administrative data from the operations of state government programs are often a rich source of information for rigorous program evaluation.
  – “Who received this program, and was it helpful for them?”

• The analysis of this data allows for making reasonable estimates about the effects of policy choices before they are made.
  – “If this bill were to be signed into law, how much do we believe it would cost in new expenditures?”
Part II:

THE OFFICE OF HEALTH DATA AND ANALYTICS
Division of Analytics: History and Mission

Kentucky Revised Statutes 194A.101

“Shall provide oversight and strategic direction and be responsible for coordinating the data analysis initiatives for the various departments that regulate health care and social services to ensure that policy is consistent with the long-term goals across the Commonwealth.”
Division of Analytics: Personnel

Chief Analytics Officer

Database Architect

- Social Science Research Analyst
  - Research Assistant
  - Research Assistant

- Sr. Data Analysts
  - Data Analysts
  - Data Scientists

- Project Manager
  - Project Manager

- Project Manager

Statisticians
Part III:

SAMPLE OF COMPLETED PROJECTS & CURRENT WORK
Office of Health Data and Analytics: Examples of Current Work

• Creation of an Integrated Data Warehouse for the Cabinet for Health and Family Services
  — Enable future analyses of health and social services that can capture a more holistic picture of Kentucky citizens

• State University Partnership Program
  — Facilitating additional research funding and Medicaid data for research faculty at state universities in Kentucky

• Research Support for the University of Kentucky’s Helping to End Addiction Long-term℠ (HEAL) and Medicaid Outcomes Distributed Research Network (MODRN)
  — Tracking epidemiological trends and other measures of addiction severity and treatment uptake in Kentucky

• Program Evaluation of Kentucky’s Implementation of the Family First Prevention Services Act
  — Partnering with Kentucky’s public child welfare agency to discover which programs are effective for preventing the placement of children in foster care.
Office of Health Data and Analytics: Criminal Justice Data

• Supporting the work of Kentucky’s implementation of the State Opioid Response (SOR) grant
  – Kentucky Opioid Response Effort (KORE) & connecting justice-involved individuals to treatment services

  – Integrated sources
    • Medicaid
    • AAPRIS (Corrections data)
    • Vital Statistics Death Certificates
    • KASPER (PDMP - Prescription Drug Monitoring Program)

Kentuckians Show Their Support in Unique Ways When They Feel are Being Governed Well

the entire state of KY

governor andy beshear

Who can take tomorrow, dip it in a dream, separate the sorrow and collect up all the cream?

THE ANDY MAN CAN, the Andy man can cause he mixes it with love and makes the world taste good

TEAM KENTUCKY

CHFS Cabinet for Health and Family Services
On June 8, 2020, Kentucky Governor Andy Beshear announced that the state will begin an initiative to achieve universal health insurance coverage for Black Kentuckians.

Shortly after this announcement, a team of OHDA researchers produced a policy brief for the Administration.

This brief was intended to summarize the health services literature as a means of giving decision makers helpful insights to consider.
Questions? Comments?