Creating the Future of Outcomes & Impact
Addressing the Opioid Epidemic in Kentucky

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2017 Health and Human Services Summit
2016-2018 Biennium
Distribution of All Funds Appropriations

Total = $74.3 Billion

- Human Services, 5.9%
- Education, 16.0%
- Medicaid, 29.7%
- Capital, 7.7%
- Criminal Justice System, 4.1%
- Transportation, 6.1%
- Postsecondary Education, 21.2%
- All Other, 9.2%

KY Total Population = 4.4 M
KY Medicaid Enrollment = 1.6 M

* Education includes the Department of Education, Teachers’ Retirement System, School Facilities Construction Commission and the Education Professional Standards Board.

** Human Services include the Health and Family Services Cabinet (net of Medicaid).

*** Criminal Justice System includes the Unified Prosecutional System, Justice and Public Safety Cabinet, and the Judicial Branch.
Emergency Department Admissions, Kentucky Hospitals, by Payor
Quarterly, 2008-2016

Source: Kentucky hospital outpatient discharge data, administrative claims. Starting in 2012, there were variously 1,000 to 2,000 self-pay discharges per quarter where the payor source was recorded as ‘pending’, as patients were being enrolled in Medicaid.

Medicaid expansion begins
Relative Expenditures on Health

- Kentucky has some of the highest health costs in the country. The graphs below show the three highest spending states, three lowest spending states and Kentucky.

**Total Single Premium Per Enrolled Employee at Private-Sector Establishments That Offer Health Insurance**

- 1: $7,177
- 2: $6,352
- 3: $6,255
- 4: $4,454
- 5: $4,357
- 6: $4,180

**Medicare Reimbursements Per Enrollee**

- 1: $10,873
- 2: $10,593
- 3: $10,152
- 4: $9,344
- 5: $6,291
- 6: $5,417
- 7: $5,406

* Benchmark is the 90th Percentile

Source: The Commonwealth Fund
Kentucky

Kentucky's Scorecard rankings (a)

<table>
<thead>
<tr>
<th>Category</th>
<th>2017</th>
<th>Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>39</td>
<td>47</td>
</tr>
<tr>
<td>Access &amp; Affordability</td>
<td>18</td>
<td>34</td>
</tr>
<tr>
<td>Prevention &amp; Treatment</td>
<td>29</td>
<td>28</td>
</tr>
<tr>
<td>Avoidable Hospital Use &amp; Cost</td>
<td>50</td>
<td>49</td>
</tr>
<tr>
<td>Healthy Lives</td>
<td>45</td>
<td>46</td>
</tr>
<tr>
<td>Equity</td>
<td>43</td>
<td>45</td>
</tr>
</tbody>
</table>

Number of indicators where Kentucky improved, worsened or stayed the same (b)

- Improved
- Little/No Change
- Worsened

Overall:
- 39 Total Indicators
  - 21 Improved
  - 14 Little/No Change
  - 4 Worsened

Access & Affordability:
- 5 Indicators
  - 4 Improved
  - 1 Little/No Change

Prevention & Treatment:
- 15 Indicators
  - 9 Improved
  - 4 Little/No Change
  - 2 Worsened

Avoidable Hospital Use & Cost:
- 9 Indicators
  - 6 Improved
  - 3 Little/No Change

Healthy Lives:
- 10 Indicators
  - 2 Improved
  - 6 Little/No Change
  - 2 Worsened

Equity:
- 17 Income Equity Indicators
  - 6 Improved
- 6 Race/Ethnicity Equity Indicators
  - 1 Improved

Source: The Commonwealth Fund
Things that determine one’s health

Health Outcomes
- Length of Life (50%)
- Quality of Life (50%)

Health Behaviors (30%)
- Tobacco Use
- Diet & Exercise
- Alcohol & Drug Use
- Sexual Activity

Clinical Care (20%)
- Access to Care
- Quality of Care

Social & Economic Factors (40%)
- Education
- Employment
- Income
- Family & Social Support
- Community Safety

Physical Environment (10%)
- Air & Water Quality
- Housing & Transit

Classical Quasi-Experimental Design

Intervention group
- Pre-intervention
- Intervention
- Post-intervention

Non-random assignment to groups
- Control group

A1, B1 = Pre-intervention data collection points
A2, B2 = Post-intervention data collection points
Medicaid Behavioral Health Expenditures

[Graph showing state mental health agency per capita mental health services expenditures, FY2013. The graph includes a red dot labeled "Kentucky" representing Kentucky's expenditure level.]
KY Strategies for Addressing Opioid Epidemic

Prevention & Public Awareness
- Safe disposal
- Wider availability of naloxone

Intervention & Treatment
- IMD Waiver
- Expanded access to MAT
- Financing psychotherapy & peer support

Professional Training and Coordination
- Protocols for pain management
- PDMP & Report Carding

Strengthening employment and socioeconomic status via community engagement

Incentivizing preventive services and desirable health behavior via wellness incentive program

PDMP & HIE messaging re: overdose episodes, toxicology screening, and Dept. of Corrections encounters
Total Medicaid Recipients Working, by Industry

- Accommodation and Food Services
- Administrative and Support and Waste Management and Remediation Services
- Retail Trade
- Health Care and Social Assistance
- Manufacturing
- Transportation and Warehousing
- Educational Services
- Construction
- Other Services (except Public Administration)
- Professional, Scientific, and Technical Services
- Wholesale Trade
- Arts, Entertainment, and Recreation
- Public Administration
- Finance and Insurance
- Information
- Real Estate and Rental and Leasing
- Management of Companies and Enterprises
- Agriculture, Forestry, Fishing and Hunting
- Mining, Quarrying, and Oil and Gas Extraction
- Utilities

Number of Recipients

Recipients Working in Multiple Industries Counted Once per Industry
Quarters 2-4, 2016
PDMP Education & Workforce

Office of Drug Control Policy

Medicaid
Health Information Exchange

Vital Statistics
Dept of Justice & Dept of Corrections

Mother-Baby Dyad

Health Care System
Research
Family Support
Community Support
Public Health Infrastructure
Employment