Evaluating the Regional Healthcare Workforce

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HealthLandscape
American Academy of Family Physicians
The Questions

Where are our Primary Care Providers?

How do we identify areas of need and deficit?
Two Examples

Greater Cincinnati Adult Primary Care Capacity Study
Robyn Chatman, MD, MPH & Jene Grandmont, MA

Regional Healthcare Workforce Profile
Jene Grandmont, MA
Primary Care Capacity Study

Impact of Patient Protection and Affordable Care Act

32,000,000 Americans
124,000 Cincinnatians
Medicaid Recipients, Hamilton County 2012

Source: Truven Health Analytics, HRSA Geospatial Data Warehouse

Legend

Medicaid Recipients
- 45 - 688
- 689 - 1760
- 1761 - 2753
- 2754 - 4205
- 4206 - 6570

City Clinics
Health Center Program Sites
Primary Care Provider
Regional Healthcare Workforce Study

How can we enumerate and locate our local healthcare workforce?
The Questions

Where are our Primary Care Providers?

How do we identify areas of need and deficit?
Primary Care Physicians

In order to more narrowly define “physician,” our counts were limited to those who designate themselves in one of the following categories; Family Medicine, General Practice, Internal Medicine, and Pediatrics.

<table>
<thead>
<tr>
<th>Category</th>
<th>AMA</th>
<th>NPI*</th>
<th>ARF (2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family Medicine</td>
<td>228</td>
<td>267</td>
<td>211</td>
</tr>
<tr>
<td>General Practice</td>
<td>18</td>
<td>27</td>
<td>13</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>404</td>
<td>779</td>
<td>476</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>246</td>
<td>423</td>
<td>362</td>
</tr>
<tr>
<td>Total</td>
<td>896</td>
<td>1,496</td>
<td>1,062</td>
</tr>
</tbody>
</table>
Data Limitations - NPI

• NPI Database
  – Only includes individuals who have applied for and received a Medicare billing number
  – No one actively tends the NPI for the purposes of purging out of date information or providers that have ceased to practice
Number of Health Centers Serving ZCTA, 2012

Legend

Health Centers

- 0
- 1 - 3
- 4 - 5
- 6 - 7

Interstates

Source: UDSMapper.org
Adults Without Usual Source of Care by ZCTA, 2006-2011

Legend

Percent of Adults Without Usual Source of Care

- 0.0% - 10.0%
- 10.1% - 13.1%
- 13.2% - 17.2%
- 17.3% - 20.0%
- 20.1% - 32.6%

Interstates
State

Source: UDSMapper.org

Health Landscape