

Welcome to the 2017 Indiana Health Workforce Collaborative!

Thank You to Our Sponsors:







The Bowen Health Workforce Information Portal (HWIP)

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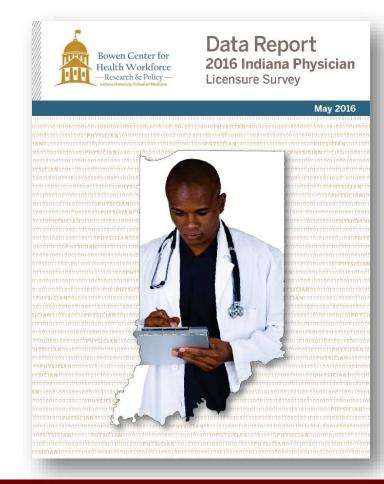
The following speaker for this program has disclosed <u>no</u> actual or potential conflict of interest in regard to this program:

Connor W. Norwood, PhD, MHA Hannah L. Maxey, PhD, MPH

Background

History of Health Workforce Data in Indiana

- Lengthy Data Reports
 - Demographics
 - Practice Characteristics
 - Supply & Distribution
- Select Few Professions
- Limited resources for ad hoc analyses and data requests



The Governor's Health Workforce Council

- Governor's Health Workforce Council and Bowen Center for Health Workforce Research and Policy partnership
 - Health Workforce Policy Coordination in Indiana

Health Workforce Data Coordination in Indiana

The State of Health Workforce Data in Indiana

- Desire for high quality health workforce data to inform policy-making process
- Development of the Indiana Health Professions Database
- Development of the Bowen Health Workforce Information Portal (HWIP)
 - Data visualization can improve access to and understanding of complex health workforce data

Bowen Health Workforce Information Portal (HWIP): Development Process

The Development Process: Our Partners

- Indiana Health Professions Database
 - Collaboration with IU Department of Biostatistics

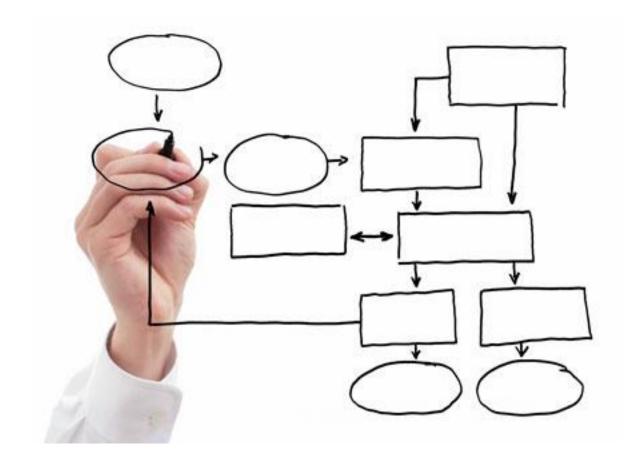
- Bowen Health Workforce Information Portal (HWIP)
 - Collaboration with the Polis Center at IUPUI

The Advisory Committee

Family Social Services Administration – Jen Walthall Department of Workforce Development – Michael Barnes Indiana State Department of Health—Joan Duwve Indiana State Nursing Association – Blayne Miley Indiana State Medical Association – Julie Reed Indiana State Dental Association – Doug Bush Area Health Education Centers – James Ballard Community Mental Health Centers – Matt Brooks The Office of Governor Eric Holcomb – Andre Bennin

Needs Assessment

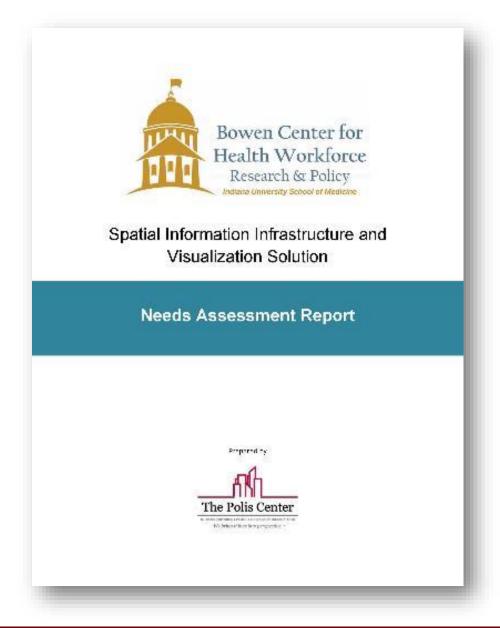
- Summer 2016
- Assessed:
 - Stakeholder needs
 - Bowen center's workflow
 - Data management processes
- Determine possible solutions



Needs Assessment

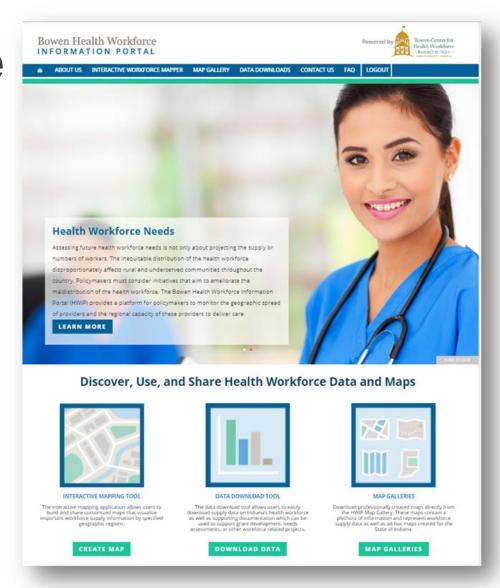
 Coordination/aggregation of health workforce data into one place

- Integration with the Indiana Health Professions Database
- Improved access to health workforce supply data
- Tool for basic analysis of health workforce supply data



The Portal's Core Structure

- Portal Page, main website that serves as the single point of access for health workforce data content.
 - http://in-polis-app28.ads.iu.edu/bowen/
- Map Gallery, for access to view and download a collection of high-quality maps created by Bowen.
- Interactive Mapping for interactive overlay, display, and navigation of relevant sets of health workforce map layers.
- Data Download, for registered users to download data files of interest.



Establishing HWIP Themes

- Surveyed stakeholders and advisory committee
- Grouping data into common themes
 - Supply, Distribution, & CharacteristicsEducation Pipeline

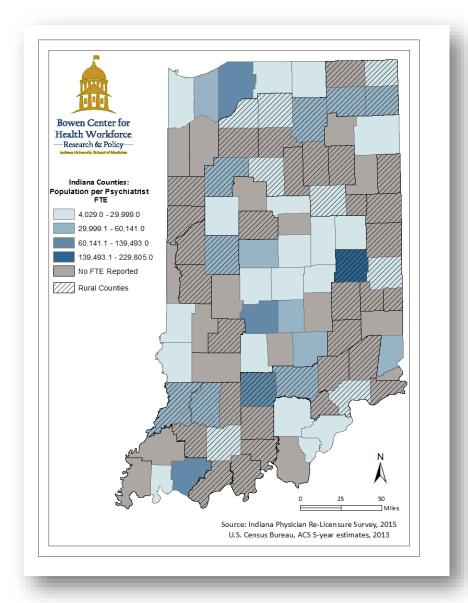
 - Federal Workforce Shortage Designations
 Mental & Behavioral Health





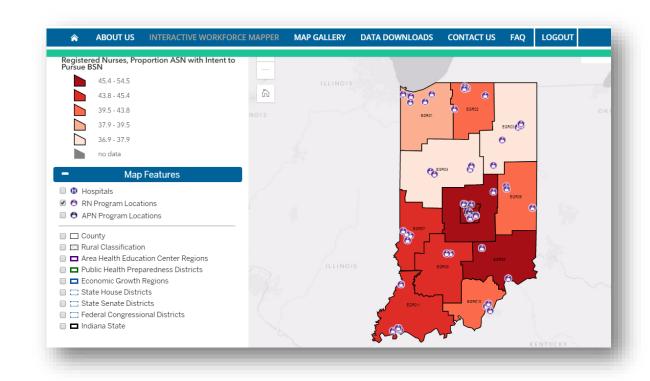
HWIP Map Gallery

- Professionally created maps
 - Organized by:
 - Theme
 - Profession
 - Ad hoc
 - Available in various formats:
 - PDF
 - JPEG
 - EPS



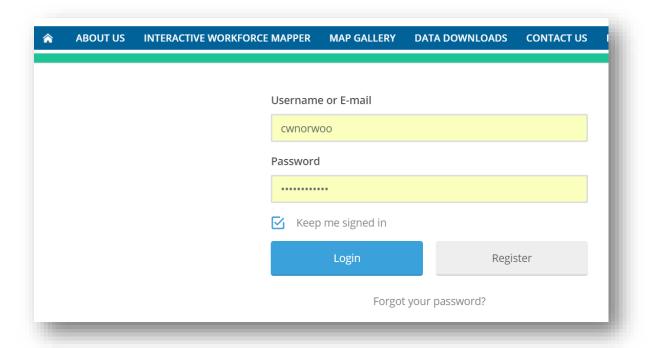
HWIP Interactive Workforce Mapper

- Explore & share health workforce supply data
- Users can create, print, and share custom maps



HWIP Data Download & Registration

- Access and download health workforce data by themes or professions
- Users must register to download data
 - Evaluation
 - Technical Support



A Case Study: Registered Nurses

- Registered Nurses (RN)- # 1 on Hoosier 50 Hot Jobs
 - https://netsolutions.dwd.in.gov/hh50/
- Institute of Medicine (IOM) recommends 80% of nursing workforce trained at Baccalaureate level by 2020
- Initiatives aimed at transitioning ASN to BSN in order to meet employer demand and IOM recommendation

A Case Study: Registered Nurses

- What percent of the RN workforce in Indiana is trained at the Baccalaureate level?
- Are ASNs interested in receiving additional training to advance to the to the BSN level?
 - If so, where are they located throughout Indiana.

A Case Study: Federal Workforce Shortage Designations

- Health Professional Shortage Areas (HPSA)
 - Medicaid Bonuses
 - Recruitment and Retention of Healthcare professionals
- Ratio of 3,500 people per 1 primary care physician full-time equivalent (FTE)

PRIMARY CARE HEALTH PROFESSIONAL SHORTAGE AREAS CRITERIA

A geographic region, often a county, can be designated as a Primary Care HPSA if it meets one of the following criteria:

- I.The area is a rational area for the delivery of primary medical care services.
- 2. One of the following conditions prevails within the area:
 - a. The area has a population to full-time-equivalent primary care physician ratio of at least 3,500:1.
 - b.The area has a population to full-time-equivalent primary care physician ratio of less than 3,500:1 but greater than 3,000:1 and has unusually high needs for primary care services or insufficient capacity of existing primary care providers.
- 3. Primary medical care professionals in contiguous areas are over utilized, excessively distant, or inaccessible to the population of the are under consideration.

Future Directions

- Continuous process improvement
- Ongoing evaluation
- In the pipeline:
 - New Geographies (ex. Legislative districts)
 - New Professions
 - New Data indicators
 - New Datasets
 - Fact sheets
- Down the road:
 - Longitudinal data
 - Custom Fact Sheets/Reports



Retailer Density Report

Alamanc

		Density Wetrics
/ 12/11/11/12/12/12/12	Alamance	North Carolina Statewide
Vendors Per Capita		
Total population	151,170	9,544,249
Number of retailers	167	9,799
Number retailers per 1,000 people	1.1	1.0
Number of people per retailer	905.0	974.0
Proximity to Youth Serving Locations		
Number of retailers within 1,000 ft of school	7	697
Percent of retailers within 1,000 ft of school	4 %	7 %
Tobacco Swamp * Measure		
Total square miles	435	53,819
Total square miles of tobacco swamp *	7	846
Percent swamp	2 %	2 %
Population in swamp	4,925	317,907
Percentage of population in swamp	3 %	3 %

A "tobacco swamp" is defined as more than 3.0 retailers per 1.000 people.

