Sharing County Health Data

Using GIS Applications for Sharing County Health Data and Healthcare Resources

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INTRODUCTION
An Overview of the PHACS Project

OUR STORY
PHACS Project History and Timeline

ISSUES AND SOLUTIONS
How we used ArcGIS to create a mobile solution
ENHANCEMENTS

What we would like to do in the future

QUESTIONS

Questions and how to contact us
Community groups, students, and researchers can use PHACS to find county health data from several different sources.

PHACS is a summary of indicators that can affect the health of Arkansans.

www.uams.edu/phacs
How Project Started
Categories of County Health Data

- Demographics
- Social - Economic
- Access to Healthcare
- Preventive Care and Behaviors
- Risk Behaviors
- Health Outcomes
PHACS data used for many purposes
About the Presenter

MY CODE DOESN'T WORK
I HAVE NO IDEA WHY
MY CODE WORKS
I HAVE NO IDEA WHY

Epidemiologist
PHACS Project Timeline

August 2010: PHACS Website is Live

May 2014: Healthcare Resources Added

February 2016: Development of responsive/mobile website began

May 2017: PHACS Website Resign Completed
Browser and Device Share

- Chrome: 50.48%
- Internet Explorer: 21.58%
- Safari: 13.34%
- Firefox: 8.88%
- Other: 3.9%
- Android: 0.83%
- Opera: 0.24%

Desktop: 87%
Tablets: 3%
Smartphones: 9.5%

Number of Global Users (Millions)
Creating a Mobile Friendly Resource

<table>
<thead>
<tr>
<th>Issues Addressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inflexible Web Format</td>
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<tr>
<td>Flash maps not compatible</td>
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<tr>
<td>Map Healthcare Resources</td>
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</tbody>
</table>
Issue 1: Website Not Mobile Friendly

- Not responsive
- Not easy to use in mobile format
- Difficult to see data

- Find county level health data from certain areas.
- Download data for your reports.
- View a profile report that contains a view of each county.

Enter Your County
Responsive Design Using Bootstrap CSS

INTRODUCTION

PHACS, Public Health in Arkansas Communities Search, is a project built from collaboration between the Arkansas Center for Health Disparities and the Arkansas Center for Clinical and Translational Research. The PHACS County Profile Report presents the most recent information for each health indicator that has been collected by our group. The data is collected from several reliable data sources and includes over 100 variables that can indicate the health of a county. In this report, the results are grouped by the following categories:

- Demographics
- Social/Economic Factors
- Access to Healthcare
- Risk Behaviors
- Preventive Behavior
- Health Outcomes

Each county has been ranked for each health indicator.
Issue 2: Flash Driven Maps Not Compatible

- Not compatible with iOS devices
- Limited interactivity
- Maps not comparable
Responsive and Comparable
Healthcare Facility Resources

- Hospitals
- Local Health Units
- Private Medical and Dental Clinics
- Pharmacies
- Behavioral Health Clinics
- Nursing Homes

* Other categories of facilities available as well
Healthcare Resources with Web AppBuilder

PHACS Healthcare Facility Resources

Operational Layers
- Private Dental Clinics
- Private Medical Clinics
- Pharmacies
- Nursing Homes
- Local Health Units
- Human Development Centers
- Hospitals
- Free Clinics

Private Dental Clinic: Dr. Joseph B Suffridge DDS PA
- Facility Name: Dr. Joseph B Suffridge DDS PA
- Street: 8 Parkstone Cir Suite B
- City: North Little Rock
- State: AR
- Zip: 72116
- Zip4: 
- County: Pulaski
- Phone: 501-907-6000
- Accepts Medicaid: No
- Accepts Medicare: No
- Spanish Translator: No
- Available: No

Zoom to

County of Pulaski, Esri, HERE, Garmin, NGA, USGS, NPS
Healthcare Resources with Web AppBuilder

Operational Layers
- Private Dental Clinics
- Private Medical Clinics
- Pharmacies
- Nursing Homes
- Local Health Units
- Human Development Centers

Facility Name: Zack D. Jennings DDS
Street: 7 Hospital Circle
City: Batesville
State: AR
Zip: 72501
County: Independence
Phone: 870-793-4166
Accepts Medicaid: No
Accepts Medicare: No
Spanish Translator Available: No
Offers Free or Sliding Scale: No
Website
Accepts Medicaid (Children): Yes
Accepts Medicaid (Adults): No

Private Dental Clinic: Zack D. Jennings DDS
Finding Healthcare using Local Perspective
Finding Healthcare using Local Perspective
Finding Healthcare using Local Perspective

PRIVATE DENTAL CLINICS

1. Private Dental Clinic: Mangan Dental Group
2. Street: 2011 North Van Buren
3. City: Little Rock
4. State: AR
5. Zip: 72207
6. Facility Name: Mangan Dental Group
7. Phone: 501-666-1188
8. Accepts Medicaid: No
9. Accepts Medicare: No
10. Spanish Translator Available: No
11. Offers Free or Sliding Scale: No
12. Website: cophinformatics.maps.arcgis.com
13. Accepts Medicaid (Children): No
14. Accepts Medicaid (Adults): No

DIRECTIONS

1. Start at 4300 W Markham St, Little Rock, Arkansas, 72205
2. Go east on W Markham St toward N Rose St
3. Turn left on N Rose St
4. Turn left on Lee Ave
5. Turn right on N Van Buren St
6. Bear left on Kavanaugh Blvd
7. Continue on N Van Buren St
8. Finish at 2011 N Van Buren St, Little Rock, Arkansas, 72207, on the right

7 min typically
2.17 miles

00:07
Issue 3: Verifying Healthcare Resources

- 3,000 Healthcare Resources
- Phone Call Verification Process
- Outdated Data/Unverified Data
Using GeoForm for Collecting Facility Data

Arkansas Health Resource Survey Form

If your organization has a healthcare resource or facility that is currently listed on this website and you would like to add the information listed, please fill out the below update request form to contact our office.

1. Enter Information
   - Facility Name
   - Street Address
   - City

2. Select Location
   Specify the location for the entry by clicking/zooming the map or by using one of the following options.

Arkansas Health Resource Survey Form

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   - Street Address
   - City
   - State

Easily Add New Resources
Can Verify and Map Quickly
Community Initiated Response
Future Enhancements

- Workforce Analysis by Region/Area
- Small Areas including Census Tracts, School Districts
- Trend Analysis for Health Indicators
Our Team

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Our web-based repository of maps and reports allow community members to visualize social-economic and behavioral factors for health, access to health care, and outcomes focusing on chronic diseases prevalent in Arkansas. We focus on public health indicators by county and other local regions that can be used for program planning and finding health care resources. ArcGIS Online helps us to transform our maps into a responsive design capable of reaching more users through mobile applications.