

Spring 2017

# MHA HCAD 6002 Exercise worksheet Glenn Beamer, Spring 2017

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## **PolicyMap Session 1**

### **May 3, 2017**

Listed as a database

[www.library.shu.edu/policymap](http://www.library.shu.edu/policymap) (SHU subscription, free version available)

[www.library.shu.edu/policymapgs](http://www.library.shu.edu/policymapgs) (Research Guide)

Who is using PolicyMap on campus?

#### ***Exercise 1:***

**Find 3 counties in New Jersey that have high obesity rates and 3 counties that have a low obesity rate.** Can you make any conclusions based on geography or income?

#### ***Exercise 2:***

**Veterans and Depression – is there a relationship?**

Look at the number of vets in Union vs. Warren County, NJ

Where did you find the data for depression?

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**For next session:**

**Watch:** [Mapchats - PolicyMap In the Classroom 2017](#) with Anne Hewitt (SHMS)

**Assignment:** Create one shaded map and one table that you could show a faculty member in one of your departments. You can use regular maps (one data point) or 3 Layer Map for the map. Use Table to create a table. Download the file (Print icon) into a Word document. Be prepared to share your findings.

Glenn Beamer's MHA HCAD 6002; class on 4/5/17, 16 students

### **Examining Chlamydia in Pennsylvania Amongst College Age Students, more prevalent among women**

compared Philadelphia vs. Centre counties

Google search prevalence for "chlamydia symptoms"

Cross sectional data can be limited

Showed purple shading, made it easy to identify trends

Showed table too

### **Risk Factors Associated with Obesity**

3 High Obese Counties – Cumberland, Gloucester, Camden

Low obese – Hunterdon, Morris, Somerset

11<sup>th</sup> lowest obesity in country

Contrast – Philly – Montgomery County – county by county contrast –

Somerset county – 27% or less,

Camden county – linked to poverty – dark purple areas have both in common, looked at Farmers Markets (fewer in Camden)

Obesity linked to limited service grocery (bodega) and food stamps

Stateofobesity.org

### **Food Insecurity**

Low income, lack of transportation, little access to food markets (nutritional value); food deserts – little or no access to fresh fruit and vegetables, if public transportation, can be expensive

Might be on SNAP or WIC but can find places who accept them

Looked at state – about ¼ food insecure

***Focused on Essex County – wished could zoom in by city – looked at county level only***

Filtered Farmers Market Locations to see if they accept SNAP, only S Orange does

Cash welfare – 17B business

Food stamps – 80B business

### **Pop Distribution and Individuals Diagnosed with Diabetes in Essex County**

Association physical activity and inactivity (correlation coefficient)

Dietary habits – access to fruits and veg (correlation coeff) – recommended daily dosage

Food access problems

Correlation bet physical activity and diabetes

Correlation between vegetable consumption and diabetes

***Want census tract level data for fast food consumption***

RWJ Foundation underwrote non profit grocery store in Chester, PA.

### **Diabetes and Income in Cape May and Essex County**

Role of income and chronic diseases; role of social determinants

% of adults in Cape May county – look at shading

Two layer map – hh income <50K, diabetes and education

See something beyond race fueling diabetes rates. (Cape May, 4% Afam, Essex 40 Afam, but both have same diabetes rates 12-13%)

Other social determinants that contribute to diabetes rates

### **Veterans and Depression: An Associative Relationship?**

On you tube Leslie Landym and Alexandr Z

Union (<7%) vs Warren County NJ – more vets in Warren (30%)

Medicare beneficiaries with depression

### **Smoking cigarettes and rates of lung/bronchus cancer**

Showed maps side by side in US map

Maps show single point in time, so can be limited

Florida, New York State

Then looked at smokers and level of education

% of ppl in each county with at least bachelors degree

Dixie County Fl, Orange County NY

Impact of excise tax (higher in NYS, 4.35 vs 1.34 in Florida)

### **Effect of Per Capita Income on Mental Health**

Union and Springfield townships (both in Union County)

Per Captia Income

% of adults reporting 7 or more Mental Health days a month

Showed golf clubs

Springfield – double per capita income from Union, all dark purple – could change scale

Set less than median to show boundaries

Can draw theoretical region

***Limitations – can only work with the data that you have***

### **General**

Maps as first step of research, not last

Drill down with data – township and borough level

Gives students data for health intervention – only had fast food data for county level not census tract

Maps are snapshot in time, may not show how population etc is impacted by tourism (or college towns); Cape May is tourist based – so residents face seasonal flows, flat wage structure, tip

dependent

**For librarians –**

Watch tutorials prior to session

A few scenarios, discussion

Then create 2 scenarios for their areas – what do maps show

Tried to upload data – not easy – want coordinates

Compare 2 maps in same screen

Orange blends in for markers

Thick black border for country

Thinner color to see country too

Cut out areas on map

Black out areas you don't want, excise area you are interested in

Ranges – more color choices

Food insecurity – only vouny level, want to city

MORE CONSITENCY – show 2015 only or

Cross sectional data too complicated – want guide

Would use in their day job

How to guide and workshops for internships – half class would use – w Dr. Hewitt

What is most commonly used mapping tool in healthcare

RWJ - \$\$ in county health data – can we upload into PolicyMap