



NETWORK OF RESOURCES FOR A CHILD SERVICE NONPROFIT IN THE ST LOUIS AREA

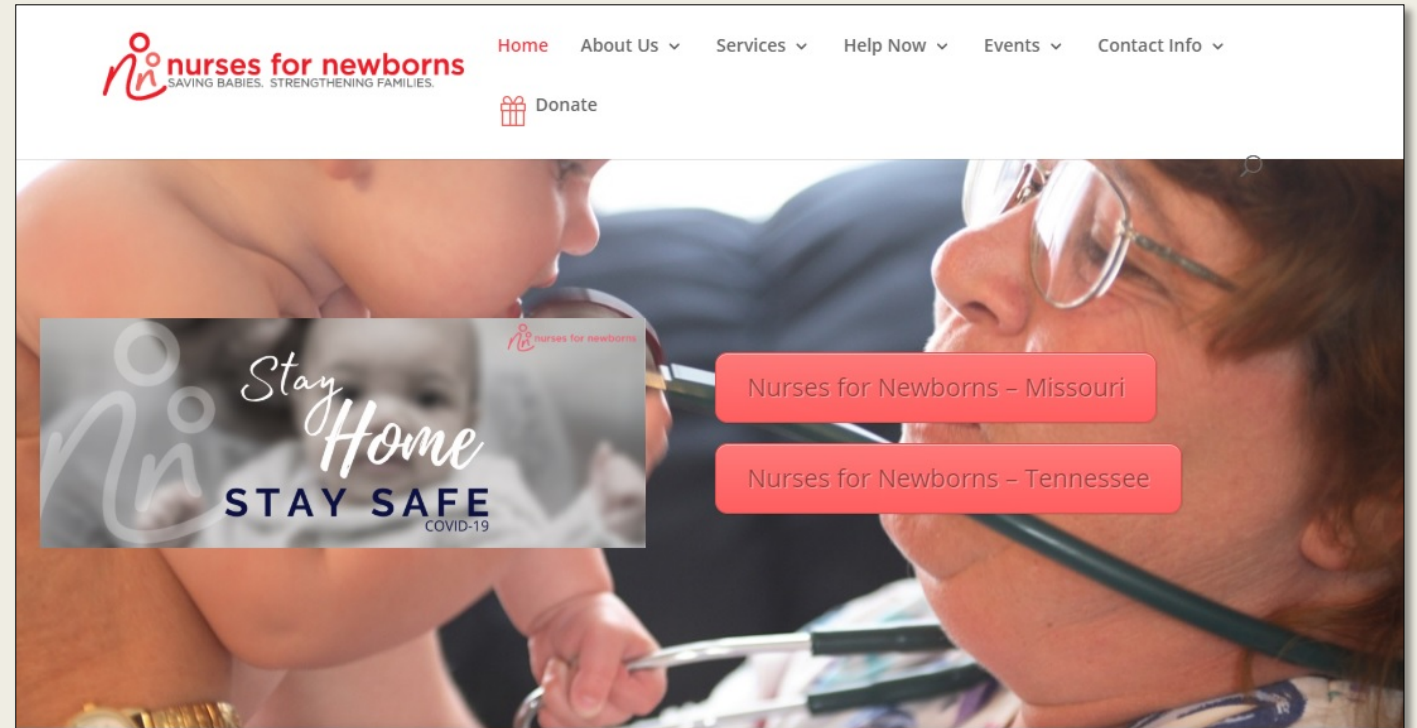
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Geog 596A, Summer 2020

Overview

- Background
- Motivating Question/Problem
- Data/Information available
- Research Timeline
- Results/Outcome/Product
- References
- Questions



<https://www.nursesfornewborns.org/>

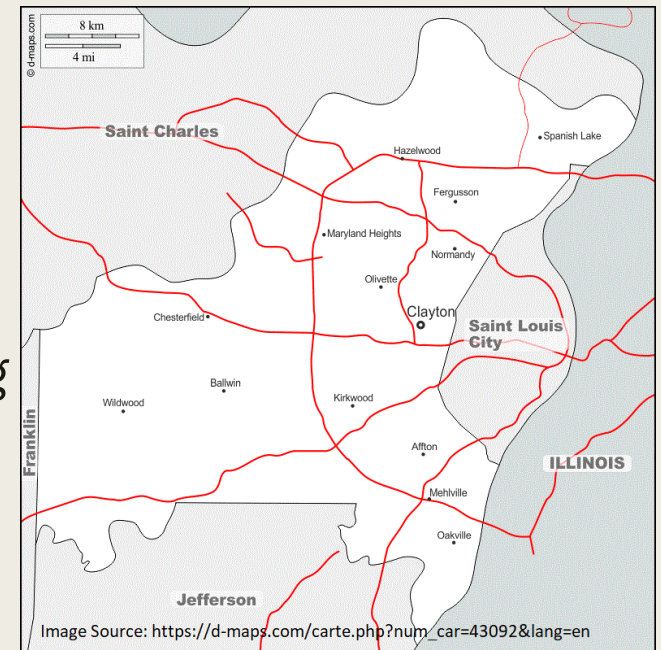
Background on the Problem

- My Motivation: My son, Milo.
- Nurses for Newborns was founded in the early 1990's by two women to help new families by providing resources and education to prevent emergency room visits. One of the two women worked in a critical care nursery, in the St Louis, MO area, who noticed newborn babies returning to the hospital with preventable injuries
- To assist Nurses for Newborns, other entities like them, or parents looking for resources, I will create an interactive and updatable Tableau dashboard with a network of resources available within the St Louis City County and St Louis City County, Missouri.
 - *This dashboard will be available to Nurses for Newborns as well as any organization trying to provide information regarding resources to clients with young children seeking help.*



Who? What? When? Where? Why Care?

- Resources and services for most at-risk families with young children in St Louis City County as well as St Louis County, Missouri.
- Location and attribution information for services such as hospitals, nonprofit orgs, government services, etc ... (safe haven locations) based on available information
 - *Location on a map*
 - *Key attribution: address, hours, services, etc*
- Information regarding transportation routes to assist clients or other users in planning
- Data regarding key indicators for a child service nonprofit helping
 - *underserved families in the St Louis area. (Are they getting better or worse over time?)*
 - *The timeframe to be examined is the last decade (2009 to 2019/20).*

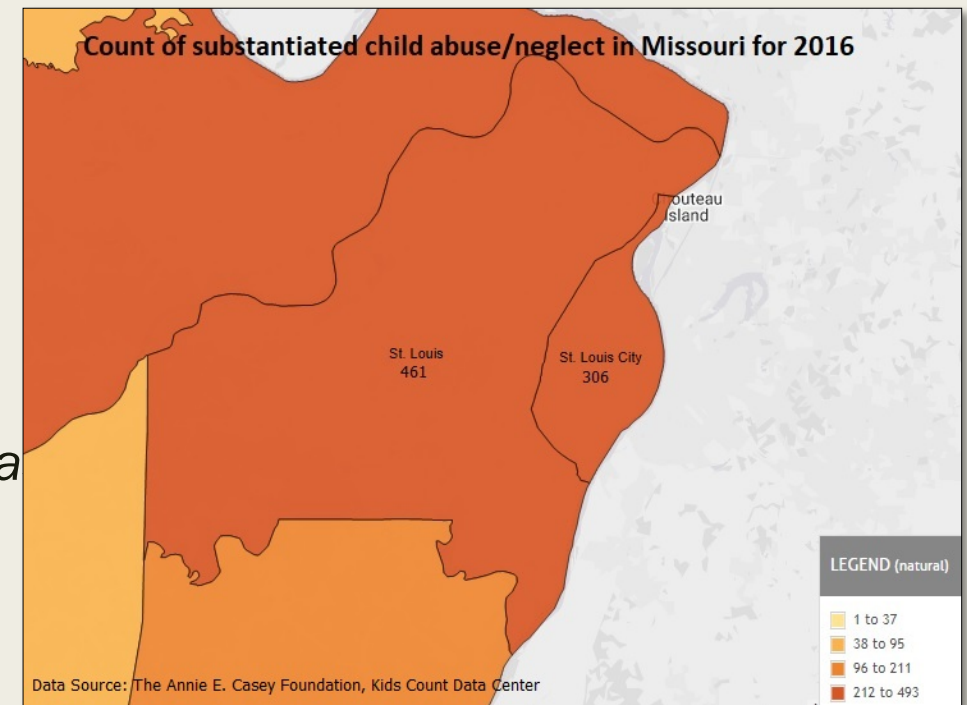


Key Indicators

- Examine the data over time to see if the numbers are increasing, decreasing, or staying the same, depending on the indicator.
 - *More research goal numbers or percentages for the indicators for the Department of Social Services and/or Nurses for Newborns.*
- Indicators they want to see reduced:
 - *Freedom from substantiated reports of child abuse or neglect*
 - *Increased immunizations*
 - *Reduced injuries*
 - *Reduced hospitalizations*
 - *Reduced use of the emergency room*
 - *Potential for additional indicators*

Data Sources/ Available Information PT 1

- Nurses for Newborns website
 - *Background on the organization, key indicators, location information, and additional network information*
- Missouri State Data Center
 - *Temporal data for key indicators looked at by Nurses for Newborns*
- Annie E Casey Foundation
 - *Kids Count Data Center for indicators as well as background data and information regarding demographics and key indicator information.*



Data Sources/ Available Information PT 2

- Missouri Department of Social Services
 - *Potential source for Nurses for Newborns key indicators over time.*
- Healthy People 2030 Framework
 - *Background and reference materials.*
- STL Metro data as well as other transit options for St Louis County and St Louis City Co.
 - *Location information regarding public transit in the St Louis area.*

Family-Centered Services

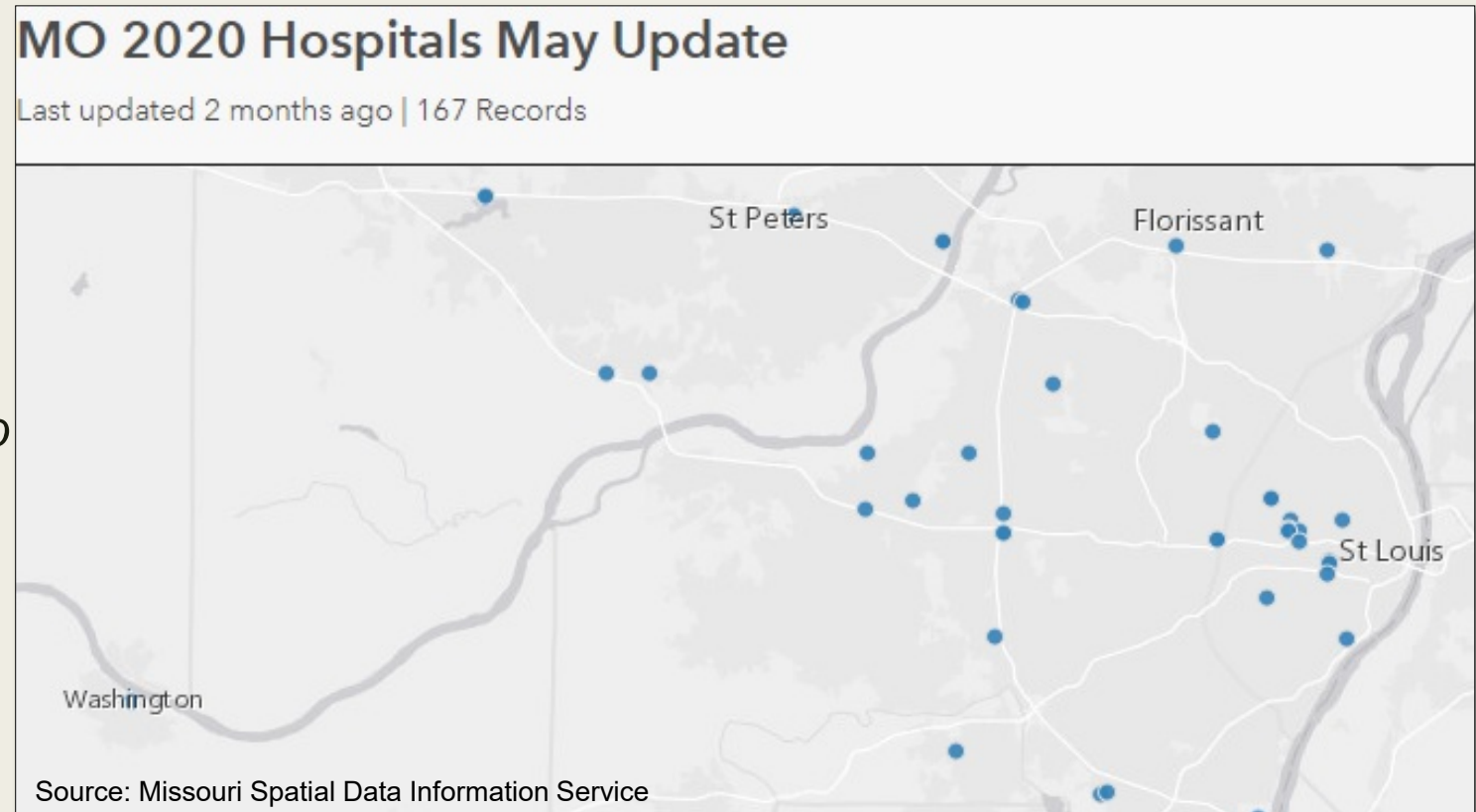
Table 9. (continued) Cases Active during FY 2019 by Reason for Opening

COUNTY		SUBSTANTIATED CA/N	PREVENTIVE SERVICES	COURT ONLY	NEWBORN CRISIS ASSESSMENT	FAMILY ASSESSMENT	AC CLOSED/ FCS REOPEN	TOTAL CASES ACTIVE
ST. LOUIS	ST. LOUIS CITY	4	7	2	4	135	4	156
	ST. LOUIS COUNTY	34	37	36	24	112	23	266
	REGION TOTAL	38	44	38	28	247	27	422
STATE TOTAL		248	823	207	387	3,916	269	5,850

Source: Missouri Department of Social Services

Data Sources/ Available Information PT 3

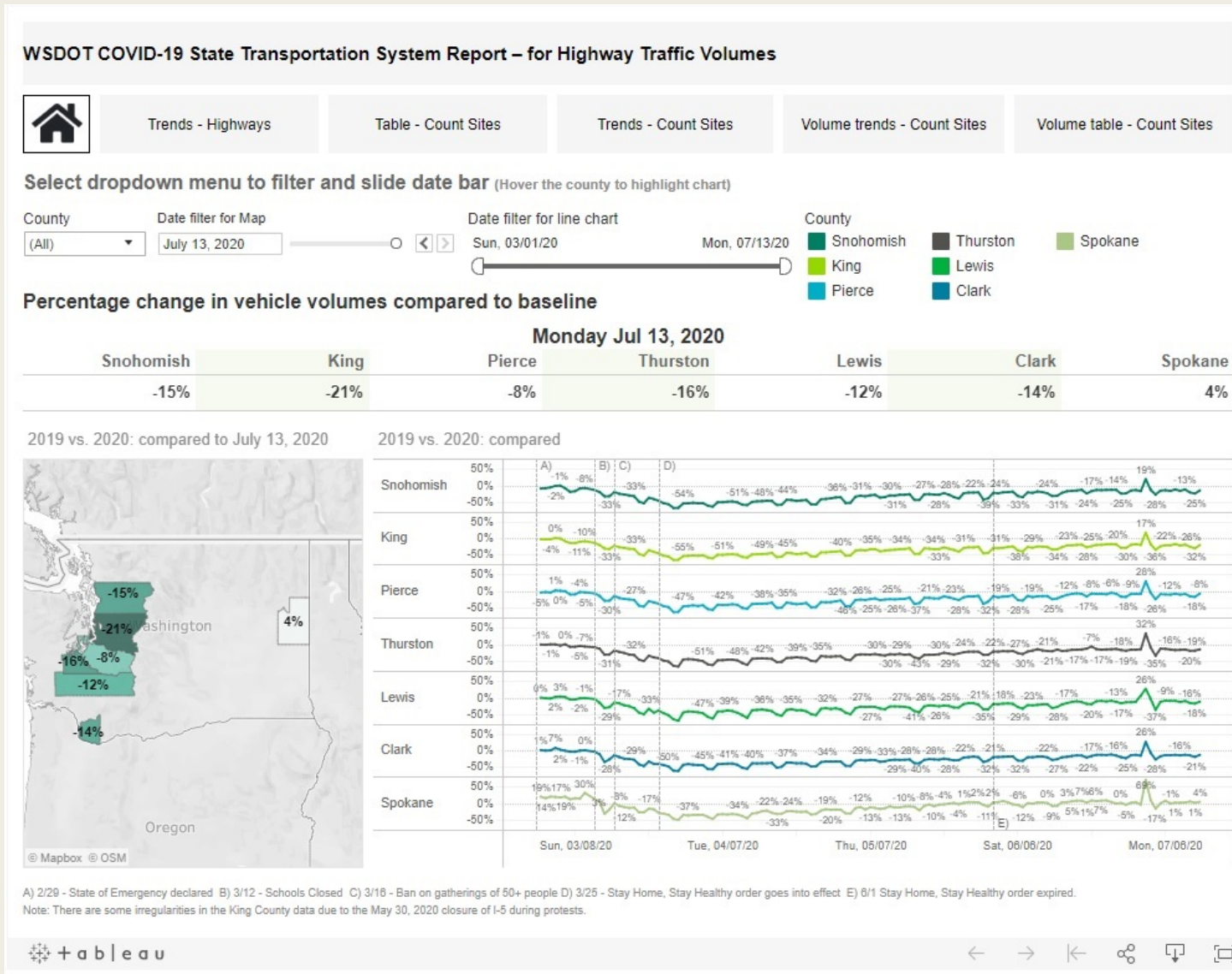
- Missouri Spatial Data Information Service
 - *Information on hospitals, health clinics, WIC satellite offices, local public health facilities, etc.*
- American Religion Data Archive
 - *Source or verification source of data with respect to religion based resources*
- Census
 - *Boundary files*



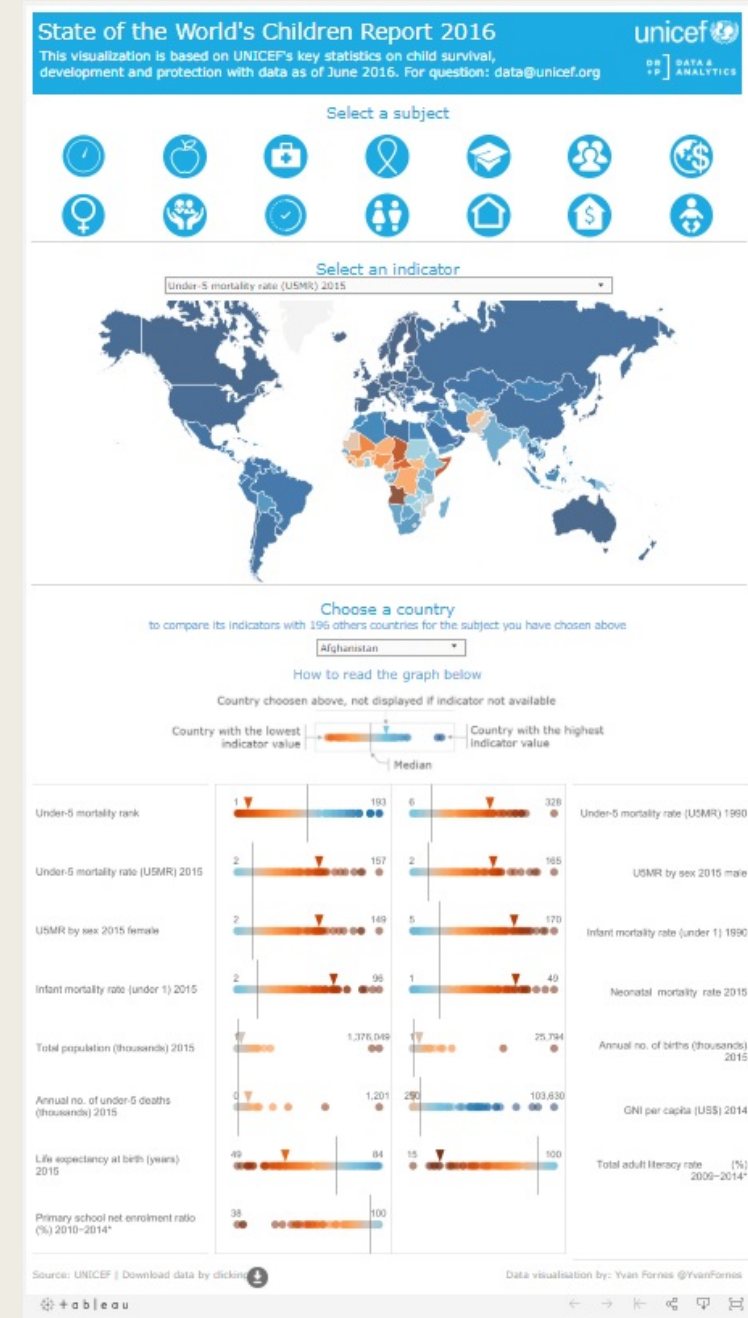
Timeline

Activity	Approximate Start Date	Approximate End Date
Geog 596A – Begin research and project plan (Summer 2020)	5/13/2020	7/22/2020
Project development, continued research, contact relevant organizations for presentation and building useful end product	7/1/2020	11/1/2020
Geog 596B – Build dataset, create dashboard, continue socializing presentation and dashboard with organizations, develop final presentation and paper. (Fall 2 2020)	9/30/2020	12/9/2020
Present final product	11/1/2020	12/9/2020

Results/Outcome/Product



Source: Tableau Public Site Gallery



References

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- “msdis-archive.Missouri.edu - /archive/Missouri_Vector_Data/Health” Archive site, Missouri Children’s Division, Missouri Department of Social Services. http://msdis-archive.missouri.edu/archive/Missouri_Vector_Data/Health/ Last Visited: 20200712
- “Metro Developer Resources” St Louis Metro. <https://www.metrostlouis.org/developer-resources/> Last Visited: 20200712
- “Welcome to the Missouri Census Data Center” Missouri Census Data Center, State of Missouri & Census Bureau. <http://mcdc.missouri.edu/> Last Visited: 20200712
- The American Religion Data Archive <http://www.thearda.com/> Last Visited: 20200712
- Tableau Public Gallery. <https://public.tableau.com/en-us/gallery/?tab=viz-of-the-day&type=viz-of-the-day> Last Visited: 20200714
- General information from The Census Bureau <https://www.census.gov/> Lasted Visited: 20200716

Questions?

