

REFERENCE Mapping

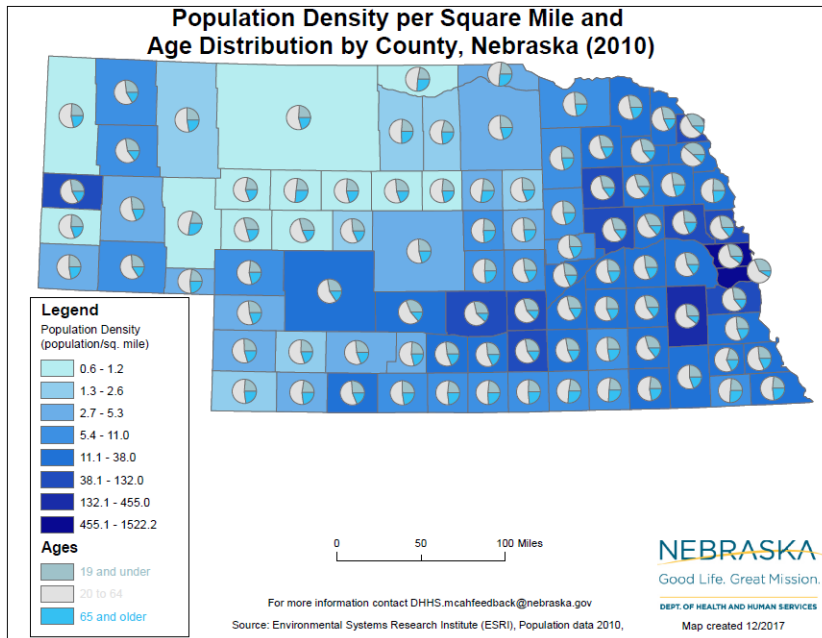
Introduction:

In 2016-2017, the DHHS Division of Public Health, Maternal Child Adolescent Health (MCAH) program, with other partners, began to explore approaches for working with social determinants of health (SDOH) and equity. SDOH refers to the conditions in which people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life risks and outcomes. Resources that enhance quality of life can have a significant influence on population health outcomes (Healthy People 2020). The project goal was to apply mapping technology to portray geographic variations in SDOH, by county, in the state of Nebraska. The intention was to prompt community conversations about health and equity focused on the variation in resources and opportunity, rather than on individual behavior or racial identity. The resulting maps were grouped into four topic areas: *Access, Education, Food Security, and Social Connectedness*. Each set of maps is accompanied by a short narrative brief. The four final work products are available to the public and are found here: <http://dhhs.ne.gov/publichealth/MCAH/Pages/Infant-Mortality-COIIN-SDOH.aspx>.

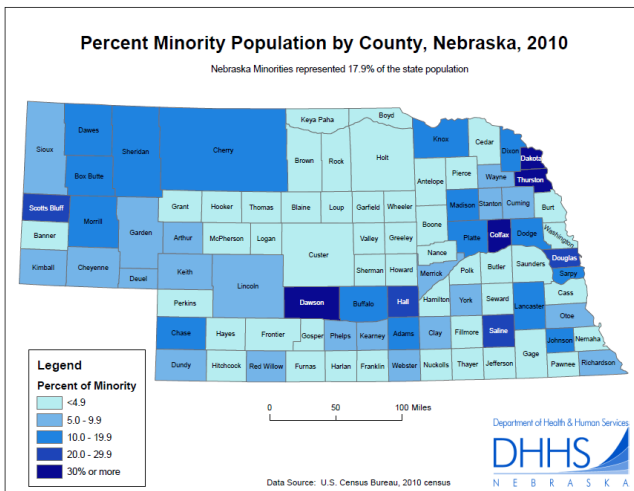
As individuals and groups began working with the maps and providing feedback to the project developers, there were numerous requests for additional information about the populations in each county. To that end, the following maps are provided here: [R1 Population Density per Square Mile and Age Distribution by County](#); [R2 Percent Minority Population by County](#); [R3 Percent of Individuals Living Below Poverty Line](#); [R4 Percent of the Population Older than 25 that Graduated High School by County](#); [R5 Percent of the Population Age 16 and Older that is Unemployed by County](#).

The SDOH mapping project was collaboratively designed to encourage community conversation. If you have questions, comments, or suggestions for the mapping project, we hope you will contact us with your feedback at DHHS.mcahfeedback@nebraska.gov.

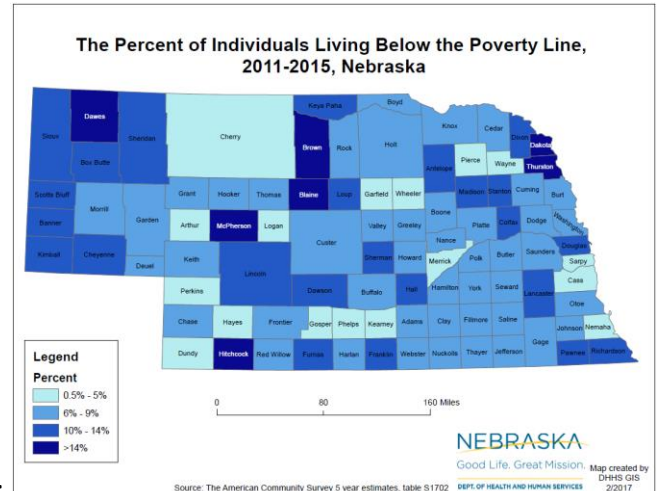
Maps: (Full-sized maps are available in the Appendix section)



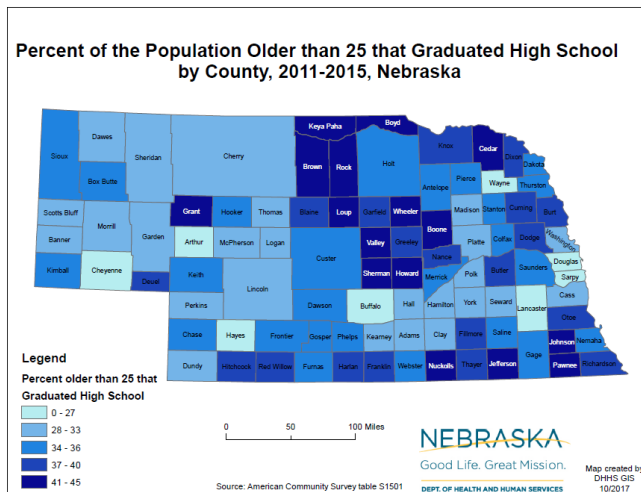
R1:



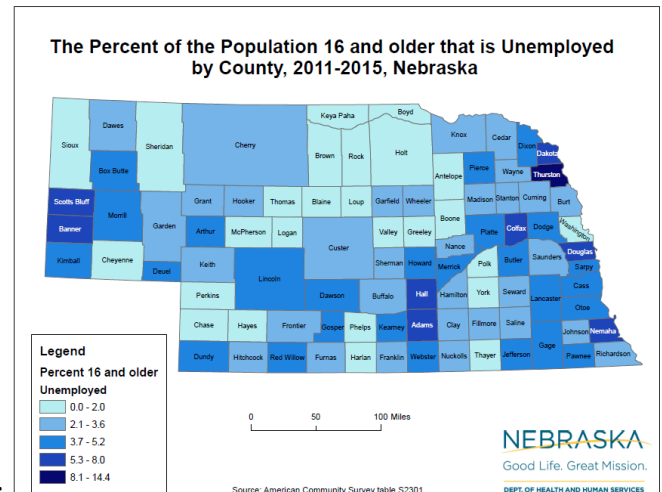
R2:



R3:



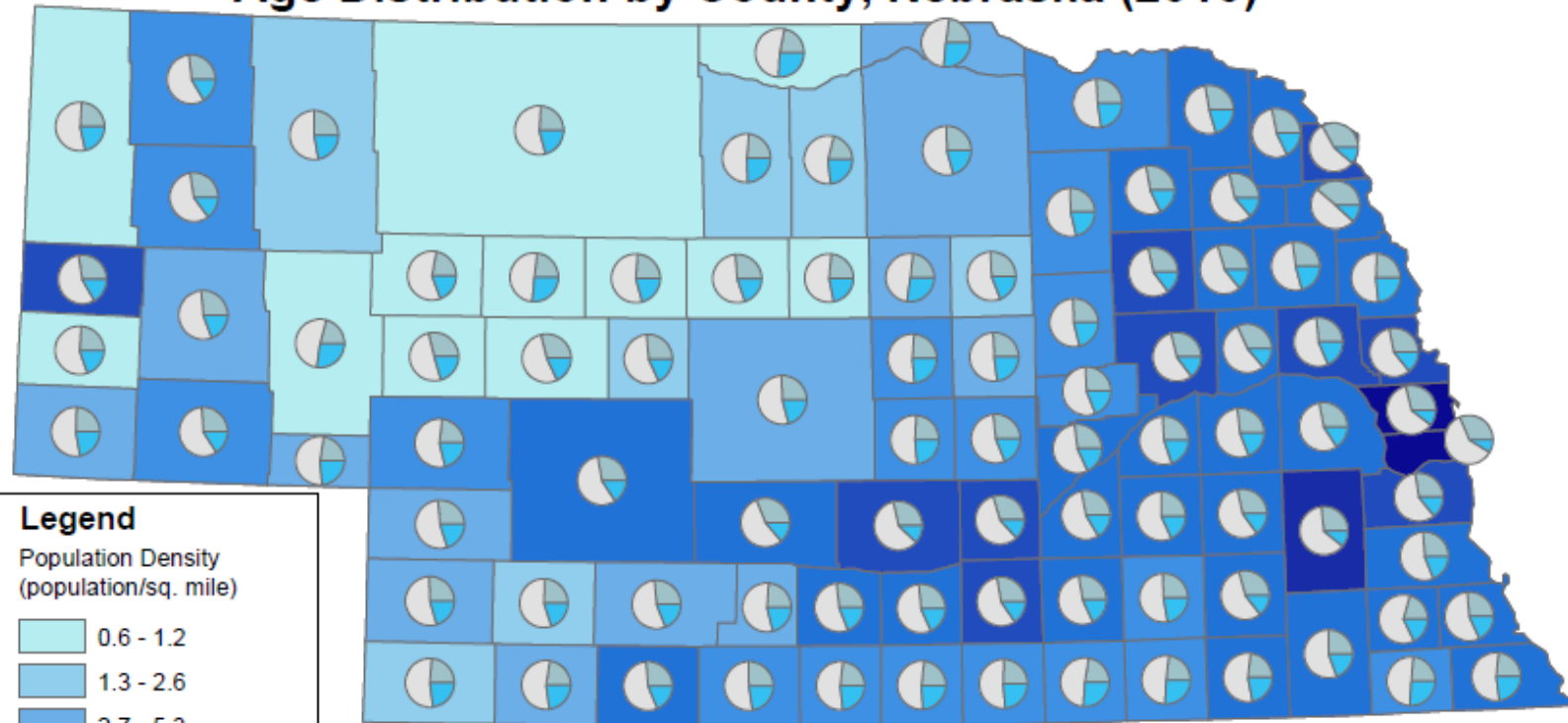
R4:



R5:

APPENDIX 1: R1 Population Density and Age Distribution

Population Density per Square Mile and Age Distribution by County, Nebraska (2010)



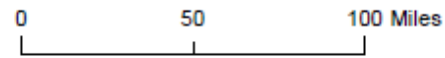
Legend

Population Density
(population/sq. mile)

- 0.6 - 1.2
- 1.3 - 2.6
- 2.7 - 5.3
- 5.4 - 11.0
- 11.1 - 38.0
- 38.1 - 132.0
- 132.1 - 455.0
- 455.1 - 1522.2

Ages

- 19 and under
- 20 to 64
- 65 and older



For more information contact DHHS.mcahfeedback@nebraska.gov
Source: Environmental Systems Research Institute (ESRI), Population data 2010,

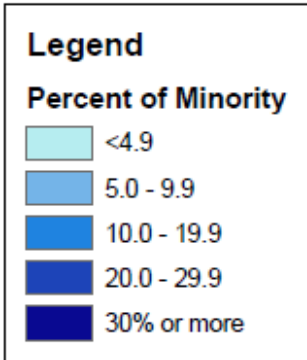
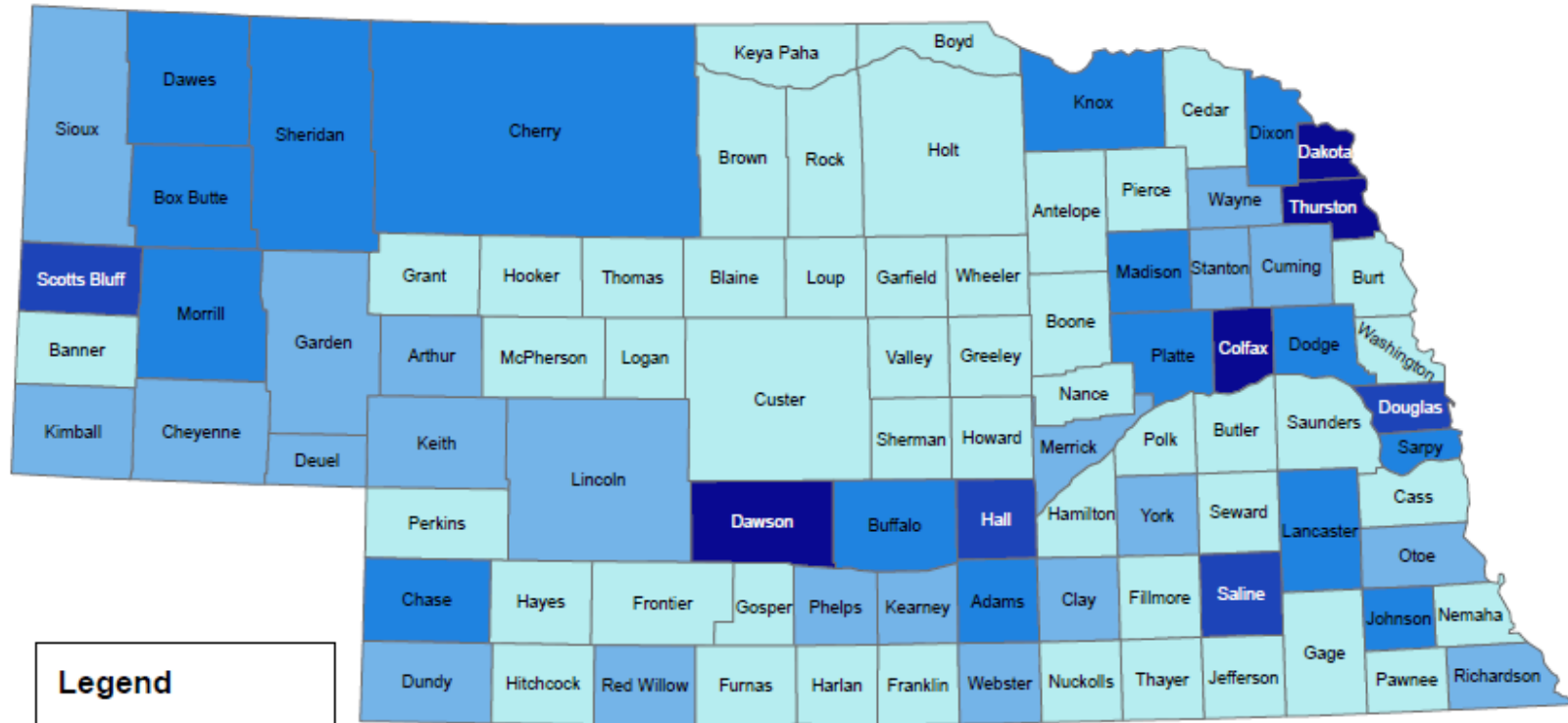


Map created 12/2017

APPENDIX 2: R2 Minority Population by County, 2010

Percent Minority Population by County, Nebraska, 2010

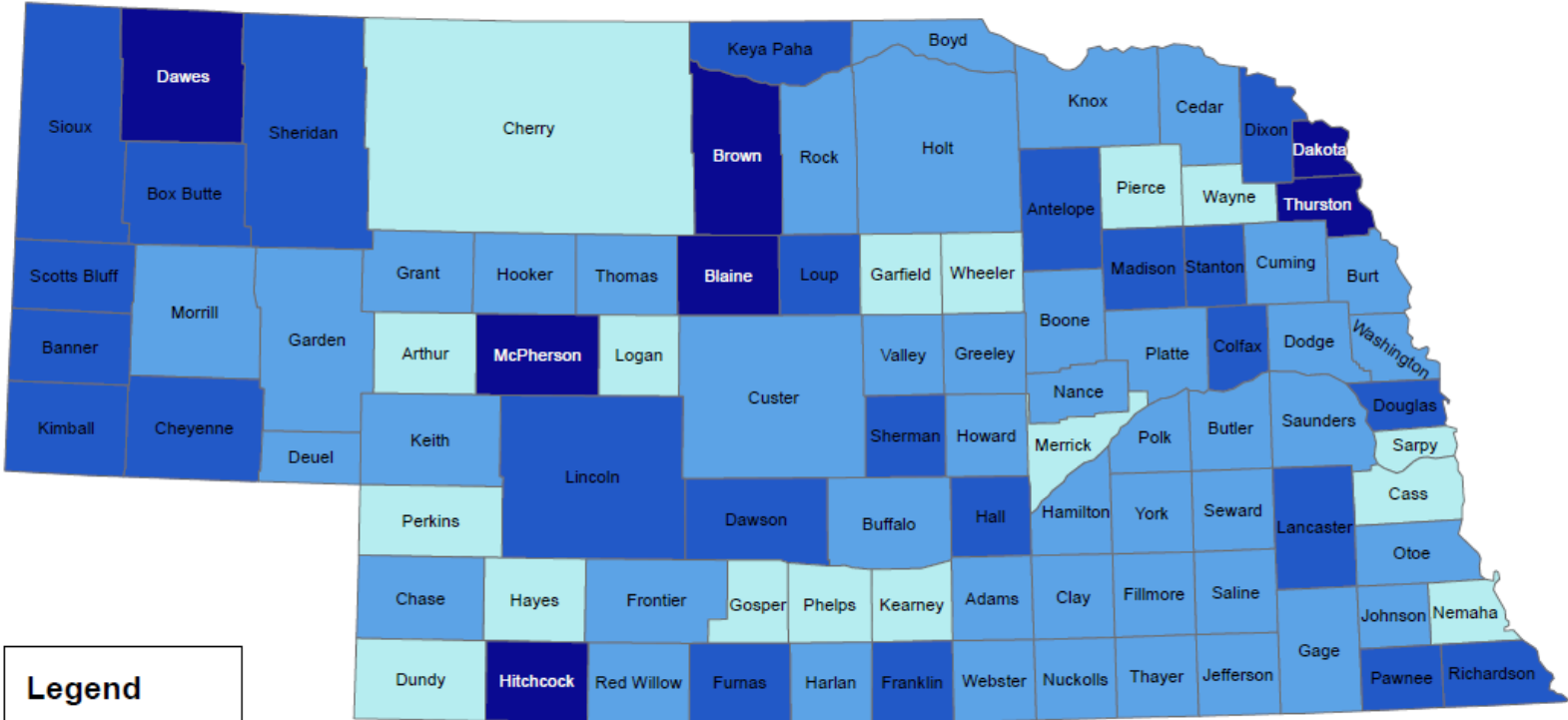
Nebraska Minorities represented 17.9% of the state population



Data Source: U.S. Census Bureau, 2010 census

APPENDIX 3: R3 The Percent of Individuals Living Below the Poverty Line, 2011-2015

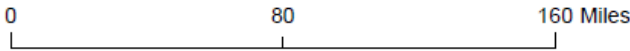
The Percent of Individuals Living Below the Poverty Line, 2011-2015, Nebraska



Legend

Percent

- 0.5% - 5%
- 6% - 9%
- 10% - 14%
- >14%



NEBRASKA

Good Life. Great Mission.

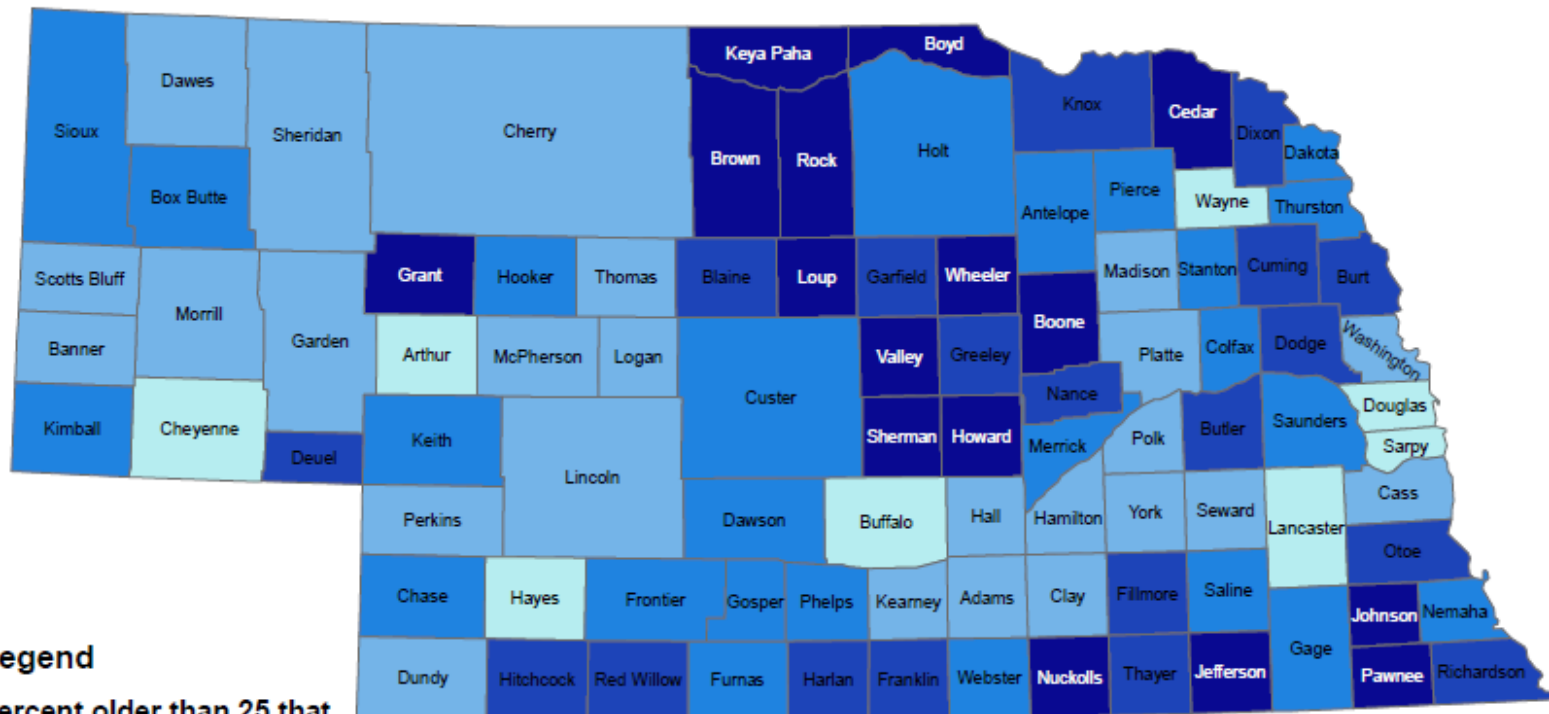
DEPT. OF HEALTH AND HUMAN SERVICES

Map created by
DHHS GIS
2/2017

Source: The American Community Survey 5 year estimates, table S1702

APPENDIX 4: R4 Population Older than 25 and Graduated HS – 2011-2015

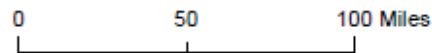
Percent of the Population Older than 25 that Graduated High School by County, 2011-2015, Nebraska



Legend

Percent older than 25 that Graduated High School

- 0 - 27
- 28 - 33
- 34 - 36
- 37 - 40
- 41 - 45



NEBRASKA

Good Life. Great Mission.

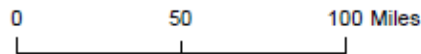
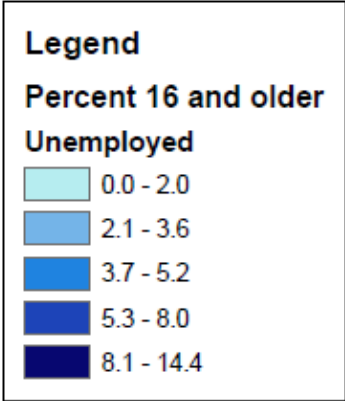
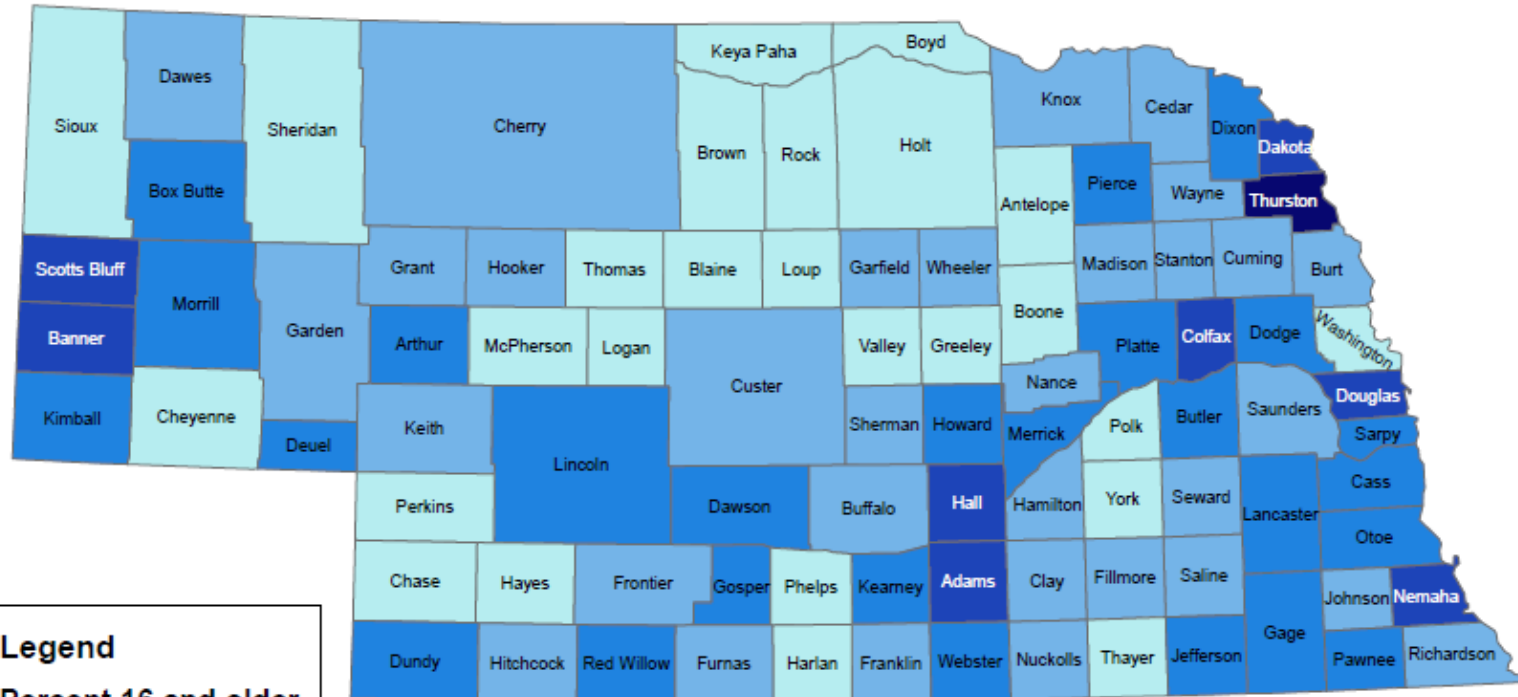
DEPT. OF HEALTH AND HUMAN SERVICES

Map created by
DHHS GIS
10/2017

Source: American Community Survey table S1501

APPENDIX 5: R5 Population 16 Up and Unemployed – 2011-2015

The Percent of the Population 16 and older that is Unemployed by County, 2011-2015, Nebraska



Source: American Community Survey table S2301

