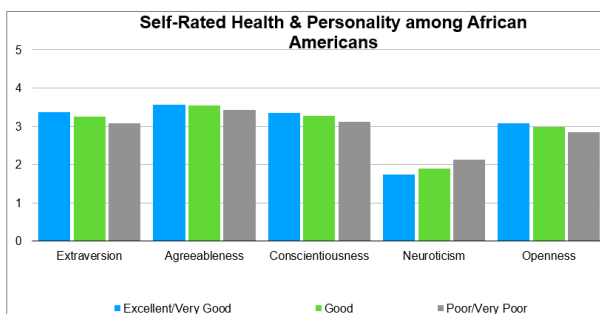
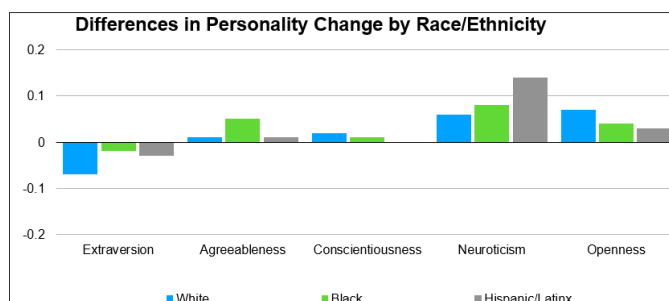
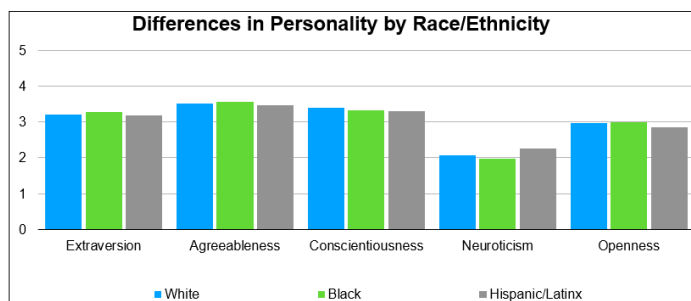


I was a **National Institute on Aging (NIA) predoctoral trainee** at the Population Research Institute (Penn State) and a **NIA postdoctoral trainee in Gerontology (USC)**.

Questions My Work Addresses

1. What is the relationship between **personality** and **chronic health conditions** among older adults? Does this vary by race/ethnicity?
2. How can we best utilize questions related to **biological** and **genetic marker data** in **national surveys** to examine **health disparities**?
3. What is the relationship between **food consumption, access, and knowledge** and **health outcomes** among African Americans?
4. What are the impacts of **severe weather events** and shifts in climate on the **health of Louisville, KY, residents**?

Example of Research Using Federally Funded Data



Agency: National Institute on Aging, Social Security Administration

Data: Health and Retirement Study

Source: Best, L. E. 2017. "The Impact of Personality Change on Health among Older Americans: Findings from the Health and Retirement Study." In M. McGehee & B. Bradshaw (Eds.), *Applied Demography and Public Health in the 21st Century*(pp. 51-68). Springer International

Key Finding(s):

- There are **small to moderate differences** in personality by race/ethnicity as well as changes in the reporting of personality over time.
- There is a strong association with socioeconomic status and changes in reporting.
- **Agreeableness and neuroticism** predicted whether people were **hypertensive**, though **the relationship between the two diminished when considering economic issues**.

Implications: Understanding how social circumstances influence personality across life-stages can provide greater insight on health disparities and disease prevention and management.

Examples of UofL Arts & Sciences Faculty & Student Research

Historically Redlined Areas & Greater Incidence of Present-Day Gunshot Victims

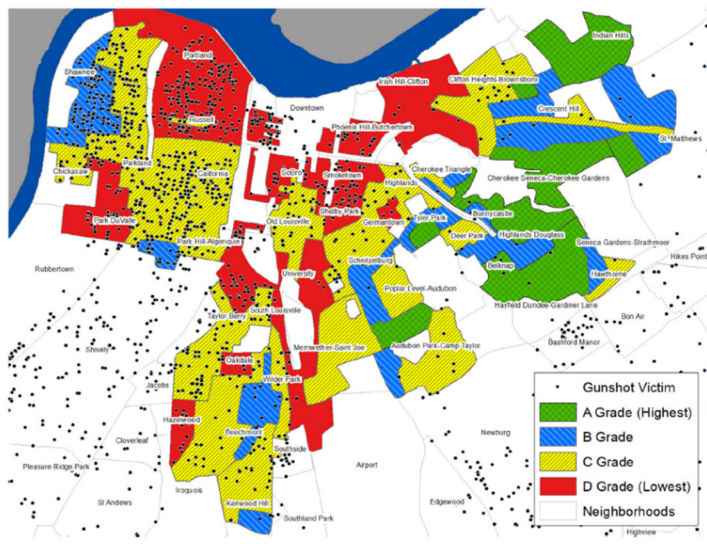


Fig. 2. Gunshot victims in Louisville, KY (2012-2018) in relation to HOLC graded areas.

Key Finding: Residents residing in historically redlined areas in Louisville, KY:

- **Twice as likely to be victim of gun violence** than those in “2nd best” areas
- **4X as likely** to be a victim than residents in “best” areas

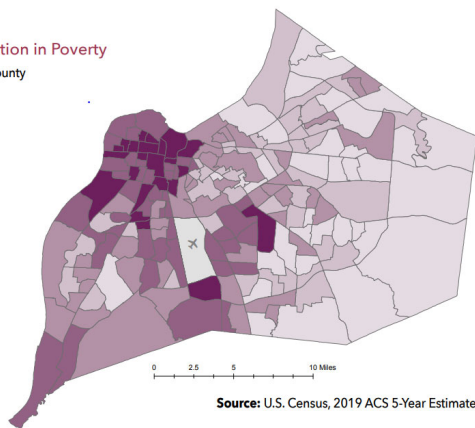
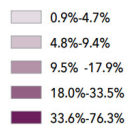
Source: Bennis, M, M. Ruther, N. Nash, M. Bozeman, and K. Miller. 2020. “The Impact of Historical Racism on Modern Gun Violence: Redlining in the City of Louisville, KY.” *Injury* 51(10):2192-2198

Agency: Census Bureau

Data: American Community Survey, Census Block data

State of Louisville Metropolitan Housing

MAP 6 Percentage of Population in Poverty
By Census Tracts - Louisville/Jefferson County

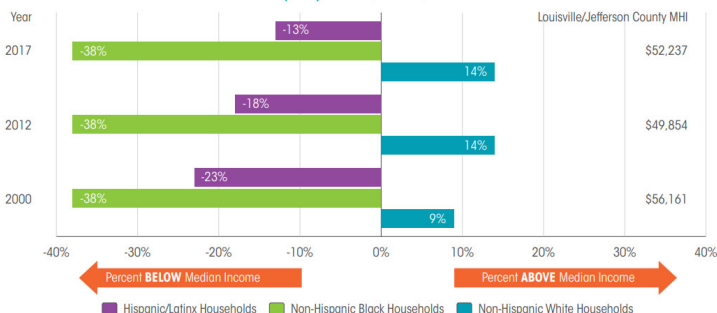


Source: U.S. Census, 2019 ACS 5-Year Estimates

Key Finding: Data shows **continued spatial concentration of poverty** in western and south central Louisville/Jefferson County

Key Finding: Black and Hispanic/Latinx households’ **median income is below** the Louisville/Jefferson County **median**, while **white median income is above** the Louisville/Jefferson County median.

Figure 6: Median Household Income by Race/Ethnicity as Percent Louisville/Jefferson County Median Household Income (MHI), 2000, 2012, 2017



Source: US Census, Census 2000 and 2008-2012 and 2013-2017 5-year American Community Surveys. Based on 2017 constant dollars; US Bureau of Labor Statistics CPI calculator

Sources: Heberle, L., R. Halpryn, and K. Kinahan, D. Rohret (2021). “2020-2021 State of Metropolitan Housing Report: COVID-19 and the Struggle to Stay Safe at Home in Louisville, KY.” Metropolitan Housing Coalition, Louisville, KY. <http://louisville.edu/cepm/publications/reports/2020-2021-state-of-metropolitan-housing-report>

Heberle, L, K. Kinahan, D. Rohret, J. Wheeler, R. Halpryn (2019). “State of Metropolitan Housing Report: 22,000 Equities, Addressing Racial Gaps in Homeownership and Wealth.” Metropolitan Housing Coalition, Louisville, KY. <https://louisville.edu/cepm/publications/reports/2019-state-of-metropolitan-housing-report>