

Supplemental Material for

“Web Application to Investigate Butler County Overdose Death Data”

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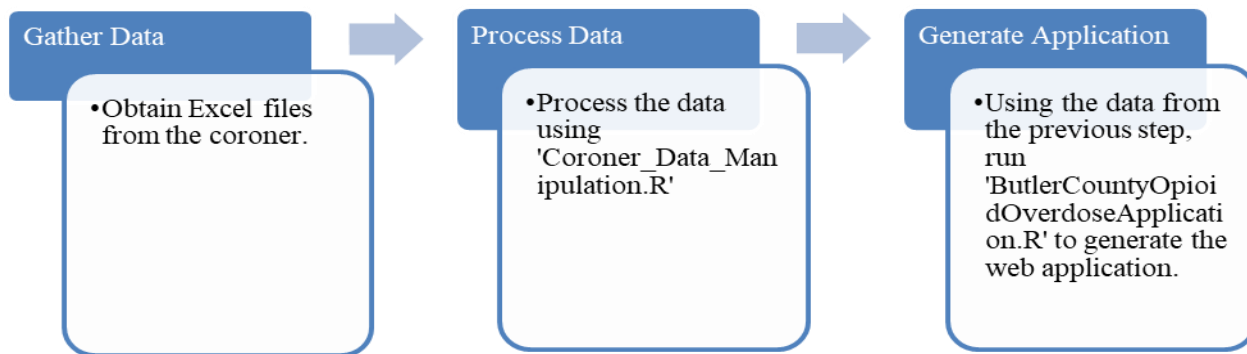
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Supplemental File. Data Cleaning Files, Application Code and Creation Resources and Tutorials

The data cleaning files and the code for the application can be found at <https://github.com/alisontuiyott/OpioidOverdose>. The process to create the application can be followed using the steps outlined in the graphic below.



A Shiny tutorial can be found at <https://shiny.rstudio.com/tutorial/>. An RStudio tutorial can be found at <https://rstudio.cloud/learn/primers>. R for Data Science, is a helpful online textbook to learn about R. It can be found at <https://r4ds.had.co.nz/>.

Supplemental Table 1. Demographic Characteristics of Residents in Ohio

	Middletown, OH	Hamilton, OH	Butler County, OH	Ohio
Population estimates, July 1, 2019	48 807	62 082	383 134	11 689 100
White alone, percent	81.0%	84.5%	84.6%	81.9%
Black or African American alone, percent	12.2%	9.4%	8.9%	13.0%
Hispanic or Latino, percent	4.4%	5.9%	4.9%	3.9%
Two or more Races, percent	3.8%	3.3%	2.4%	2.3%
Bachelor's degree or higher, percent of persons age 25 years, 2014-2018	16.4%	15.9%	29.8%	27.8%
Persons without health insurance, under age 65 years, percent	10.1%	9.9%	6.8%	7.7%
Median household income (in 2018 dollars), 2014-2018	\$39 520	\$43 280	\$63 358	\$54 533
Persons in poverty, percent	25.4%	19.4%	12.4%	13.9%