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Using Secondary Data in PH Research

Short Assignment 4 – Data Dictionary

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**Common Data Set**: CDC Wonder Interactive Atlas of Heart Disease and Stroke

**R Variable Name**: Population

**Description**: The data collected from CDC Wonder was from 2015, and thus, this variable gives the population by county values in Ohio for 2015. Data taken from US Census Bureau.

**Data Type**: Numeric

**Range**: 13,251 – 1,266,049

**Percent Missing**: 0%

**R Variable Name**: White.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 white people in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 186.7 – 340.4

**Percent Missing**: 0%

**R Variable Name**: Black.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 black people in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 159.7 – 472.6

**Percent Missing**: 3.41%

**R Variable Name**: Hispanic.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 Hispanic people in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 43.5 – 241.4

**Percent Missing**: 43.18%

**R Variable Name**: Asian.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 people of Asian descent in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 24.4 – 192.5

**Percent Missing**: 50.00%

**R Variable Name**: Male.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 males in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 229.5 – 402.2

**Percent Missing**: 0%

**R Variable Name**: Female.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 females in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 156.7 – 291.2

**Percent Missing**: 0%

**R Variable Name**: X35Plus.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 people above the age of 35 in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 357.4 – 656.3

**Percent Missing**: 0%

**R Variable Name**: X45to64.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 people between the ages 45 and 64 in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 77.4 – 277.5

**Percent Missing**: 0%

**R Variable Name**: X65Plus.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives number of deaths per 100,000 people above the age of 65 in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 1320.8 – 2147

**Percent Missing**: 0%

**R Variable Name**: Percent.No.Insurance

**Description**: Data collected from Health Resources and Services Administration Area Health Resources Files by CDC. Value given is the percent of the total population in each of Ohio’s counties that do not have any form of health insurance.

**Data Type**: Numeric

**Range**: 4.1 – 22.2

**Percent Missing**: 0%

**R Variable Name**: Median.Household.Income.Thousands

**Description**: Data collected from the US Census Bureau by CDC. Value given is the median household income in thousands for each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 36.6 – 97.7

**Percent Missing**: 0%

*\*Created Variables*

**R Variable Name**: Minority.Deaths.Per.100000

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives average number of deaths per 100,000 people that are minorities (blacks, Asians, Hispanics) in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: 88.6 – 256.4

**Percent Missing**: 32.20%

**R Variable Name**: Difference.Minority.Majority.Deaths

**Description**: Data collected from the Deaths National Vital Statistics System from the National Center for Health Statistics by CDC. When CHD was underlying cause of death – counts as a death. Variable gives average difference in number of deaths per 100,000 people between minorities (blacks, Asians, Hispanics) and the majority (whites) in each of Ohio’s counties.

**Data Type**: Numeric

**Range**: N/A

**Percent Missing**: 24.15%