**Community Statistics**

**Submit this assignment by end of day Sunday of Week 1.**

**This assignment is worth 40 points of your final grade.**

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | Marcellinus Acheampong | Date: | 05/15/2020 |
| Student ID: |  | Email: | Ma706518@ohio.edu |

**NOTE**: This assignment is about the experience of using databases to locate information about your community. Keep in mind as you complete this assignment that you may not be able to locate all data fields listed in the worksheet.

Record the data you collect into the following tables. Record the source (website) of your data in the Source Column. Collect the most recent data available (usually within the last 5 years). If you cannot find that data for a few inquiries just enter “NDA” – No Data Available. However, this should be limited to two or three areas.

|  |  |
| --- | --- |
| **Selected County, State:** | Washington, Oregon |
| **Number of population** |  601,592 |

**Public Services and Access to Care**

Data MUST be presented as number per 1000 people or in a comparable manner (i.e. percentage by population)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Provider** | **County** | **State** | **Nation** | **Source/Reference of Data** |
| Hospitals | NAD |  |  |  |
| Physicians (both primary care and specialty)  | 102 | 147.0 | NAD | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Overdoses - heroin | 8.7% | 12.6 | 21.7 | [National Center for Health Statistics](https://www.cdc.gov/nchs/index.htm) retrieved from <https://www.cdc.gov/nchs/health_policy/Provisional-Drug-Overdose-Deaths-Counts-and-Rates-by-County-2019.pdf> |
| Public transportation | 25.2 | % | 26.6 | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |

**Demographic and Ethnic Data** (Example: search Google for “Ohio, County Name, and Population”)

Data MUST be presented in a comparable manner (i.e. percentage by population)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Demographic Variable** | **County** | **State** | **Nation** | **Source/Reference of Data** |
| < 5 y.o. | 6% | % | 6.1% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| 18 and younger | 22.9% | % | 22.4% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| 65 and older | 13.4% | % | 16% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Male | 49.5% | % | 49.2% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Female | 50.5% | % | 50.8% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| White | 80.0 % | % | 76.5% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Black | 2.5 % | % | 13.4% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| American Indian | 1.1% | % | 1.3% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Asian | 11.4% | % | 5.9% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Hispanic | 17.0% | % | 18.3% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Single | NDA% | % | % |  |
| Married | NDA% | % | % |  |

**Health Statistics** (Example: search Google for terms such as “Infant Mortality Ohio,” etc.)

Data MUST be presented in a comparable manner (%, per 1000, per 100000, etc.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rate** | **County** | **State** | **Nation** | **Data Source** |
| **Infant Mortality** (Infants < 1 Y.O. Reported as per 1000 Live Births) |
| White | NDA | NDA | 4.7 | <https://www.cdc.gov/nchs/pressroom/sosmap/infant_mortality_rates/infant_mortality.htm>Healthy People 2020 <https://www.healthypeople.gov/2020/leading-health-indicators/2020-lhi-topics/Maternal-Infant-and-Child-Health/data#infant> |
| Black | NDA | NDA | 10.9 | <https://www.cdc.gov/nchs/pressroom/sosmap/infant_mortality_rates/infant_mortality.htm>Healthy People 2020 <https://www.healthypeople.gov/2020/leading-health-indicators/2020-lhi-topics/Maternal-Infant-and-Child-Health/data#infant> |
| Hispanic | NDA | NDA | 5.1 | <https://www.cdc.gov/nchs/pressroom/sosmap/infant_mortality_rates/infant_mortality.htm>Healthy People 2020 <https://www.healthypeople.gov/2020/leading-health-indicators/2020-lhi-topics/Maternal-Infant-and-Child-Health/data#infant> |
| **Death Rates:** (Usually reported as per 100000) |
| Motor Vehicle Accidents | 663 | 2075 | 49.4 | Washington Car Accident Death Statistics <https://www.livestories.com/statistics/washington/car-accident-deaths-mortality> |
| Lung Cancer | 2740 | 1750 | 135720 | Cancer Statistics Center <https://cancerstatisticscenter.cancer.org/#!/state/Oregon><https://cancerstatisticscenter.cancer.org/#!/state/Washington><https://cancerstatisticscenter.cancer.org/#!/> |
| Breast Cancer | 900 | 550 | 42690 | Cancer Statistics Center <https://cancerstatisticscenter.cancer.org/#!/state/Oregon><https://cancerstatisticscenter.cancer.org/#!/state/Washington><https://cancerstatisticscenter.cancer.org/#!/> |
| Cardiovascular Disease | 4087 | 6942 | 165.0 | [National Center for Health Statistics](https://www.cdc.gov/nchs/index.htm) retrieved from<https://www.cdc.gov/nchs/pressroom/sosmap/heart_disease_mortality/heart_disease.htm> |
| AIDS | NDA | NDA | NDA |  |
| Diabetes |  | 1243 | 21.5 | [National Center for Health Statistics](https://www.cdc.gov/nchs/index.htm) retrieved from <https://www.cdc.gov/nchs/pressroom/sosmap/heart_disease_mortality/heart_disease.htm> |
| **Risk Indicators:** |
| Prenatal Care (% of Mothers delivering live infants who did NOT receive prenatal care in the 1st trimester) | NDA | NDA | NDA |  |
| Obesity | 25.6% | 30.5% | 18.5% | Healthy behaviors rate of Washington County, OR retrieved from <https://www.opendatanetwork.com/entity/0500000US41067/Washington_County_OR/health.health_behaviors.adult_obesity_value?year=2015> |
| Insufficient Physical Activity  | 13.9% | 15.% | 25.9% | The adult obesity rate of Washington County, OR retrieved from <https://www.opendatanetwork.com/entity/0500000US41067/Washington_County_OR/health.health_behaviors.adult_obesity_value?year=2015> |

**Economic Statistical Data:** (Example: search Google for “Ohio Income Range”)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **County** | **State** | **Nation** | **Data Source** |
| **Income** |
| Mean  | $78010 |  | 60293 | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Poverty rate | 8.8% | % | 11.8% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| Unemployment Rate | 5.4% | % | % | [Bureau of Labor Statistics](http://www.bls.gov/) |

**Educational Levels:** (Example: search Google for “Ohio Income Range”)

Data MUST be presented in a comparable manner- i.e. %

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **City or County** | **State** | **Nation** | **Data Source** |
| < High school | NDA | % | % |  |
| High school | 91.6% | % | 87.7% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |
| College degree | 43.7% | % | 31.5% | [Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00) retrieved from [https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon,US/PST045219](https://www.census.gov/quickfacts/fact/table/washingtoncountyoregon%2CUS/PST045219) |

**Analysis**:

Reflect on the ways the information you obtained relates to the county where you live and the *Healthy People 2020 National Health Objective* you have selected to study.

|  |
| --- |
| Write a minimum 600 word summary of the key risks and concerns that you can support based upon the statistical data you have retrieved. You may want to look up some additional data that specifically pertains to the *Healthy People 2020 National Health Objective* that you have selected if additional information is still needed. Be sure to use citations/references APA formatted. |
| Based on the data obtained, Washington county, Oregon, is most vastly affected by cardiovascular diseases followed by obesity and then drug overdose ([Quick Facts – U.S. Census Bureau](https://www.census.gov/quickfacts/table/PST045216/00), 2020). Accident deaths were also causing a significant number of deaths in this county; however, this was vastly attributed to increase drug abuse. Looking at the rate of physical activity of the people residing in Washington County, Oregon, it is unfortunate that the majority are physically inactivity. According to the data obtained from National Health Interview, 2017, the rate of physical activity in Washington County, Oregon, had declined from nearly 40% to about 13%, which is below the Healthy People 2020 objective, 32.6% (Healthy People 2020, n,d). This has seen the rate of obesity, which is the most common and leading cause of cardiovascular disease increase in the county to 25.6%. Healthy People 2020 state that good nutrition, physical activity, and maintaining a healthy body weight are the determinant of great health and wellness. Surprisingly, most of these crucial determinants are at worse levels in Washington County, Oregon contributing to the majority of cardiovascular disease. While the access to excess opportunities for physical activity was about 97% in Washington county, fewer people, as can be seen with the available data, were physically active. This is ironical and raises suspicion concerning what could be the cause of this trend. Possibly this can be attributed to the high unemployment rate to the extent that most people hustle the whole day to that they do not find time for exercise. The poverty level in Washington County is 8.8%, though below the National percentage but still high and could contribute to unhealthy eating habits, which vastly affects the nutritional statuses of individuals predisposing then to obesity and consequential cardiovascular diseases. Besides, the rate of unhealthy behaviors in the Washington county is worrying, with many people drinking too much alcohol, smoking cigarettes, and abusing drugs. 8.7% of cases of a heroin overdose are worrying, and something needs to be done. Overall, the Open Data Network report regarding healthy behaviors shows that a significant number of people in Washington County abuses drugs and this can be evident from the number of deaths attributed to road accidents and related harmful behaviors among drug abusers. Alcoholism is one of the major risk factors for diabetes, which is currently at 25.6% in Washington County. Center for Disease Control and Prevention shows that the county reports a high rate of alcoholism, meaning that if such a trend continues, the majority of lives in Washington are likely to be in jeopardy. The best way to prevent these unhealthy behaviors and practices which likely harm and will continue to harm the lives of people residing in Washington County is to put in place and implement various initiatives and measures. One of these measures and strategies is to create awareness of these harmful behaviors and practices so that people know what they are exposing themselves to when they get involved in such. Secondly, these populations need to be empowered with knowledge and relevant resources to improve their willingness to eradicate certain behaviors that harm their lives. For instance, adequate nutrition and physical activity decrease people’s risk of developing fatal health disease such as blood pressure, but most people, because they spend most of their time striving to get food during the day, do not find time to do exercise despite having improved access to the physical activity services (Healthy People 2020). Additionally, most people still feed on snacks, which increases their chances of diabetes, among other diseases. The county public health officials, in collaboration with the government, should collaborate to find a way to improve these areas to increase physical activity and a balanced diet culture by first creating awareness and doing objective community assessment and noting what lacks and community needs. Then using community volunteers and community nurses to divide the community into manageable groups that may make it easy to empower with both knowledge and resources as well as follow up to determine areas that may need adjustments. |

In addition, write two priority community health **nursing diagnoses**. Use **the correct format** for your diagnoses: **P**roblem, Population or location of problem, **E**tiology, **S**igns/**S**ymptoms *(\*\*\*Chapter 6, pp. 102 in your textbook*).

Formatting would be: Problem related to the etiology as evidenced by the signs/symptoms.

**For example:** Risks *of asthma complications among children in a southeast Ohio County related to poor air quality, overcrowded living conditions, inability to access health care, high number of animals living in homes, lack of knowledge regarding treatment options, and lack of access to medications* as evidenced by increasing numbers of hospitalizations due to asthma complications.

|  |
| --- |
| Priority Community Health Nursing Diagnoses #1 |
| Increased risk of cardiovascular diseases among residents of Washington County, Oregon related to increased rate of obesity as demonstrated by high rates of physical inactivity and unhealthy behaviors |
| Priority Community Health Nursing Diagnoses #2 |
| Inadequate knowledge regarding the risk of unhealthy behaviors and practices among the residents of Washington County, Oregon related to lack of concern or willingness to reform as demonstrated by continued involvement in risky and unhealthy behaviors despite witnessing and hearing people succumb to such behaviors or suffer due to such unhealthy behaviors |