North Central Washington Epi Consortium Community Health Indicator Construction Methods Document

This documents the construction of Community Health Assessment Metrics for the NCW Epi Consortium. Each metric is listed under its corresponding data source. Each data source has a corresponding Rmarkdown script that is used to do the data cleaning and construction of the visualizations.

*Selection of Indicators*

Community Health Assessments were queried from LHJs within the NCW Epi Consortium. Similar indicators were aggregated together to come up with a list of over 100 different health indicators. From this list, indicators used in 2 or more previous Community Health Assessments were included within the final list. LHJs then met and decided on other indicators that were important to LHJs.

# Community Health Assessment Tool (CHAT)

Note: In order to gain access to CHAT, you need to be granted access by the Epidemiologist who oversees this data tool. For information about gaining access, email: Kaylee.Kim@doh.wa.gov

# Years of Potential Life Lost (YPLL65)

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: YPLL65
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): YPLL65\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: YPLL65
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): YPLL65\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: YPLL65
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): YPLL65\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: YPLL65
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): YPLL65\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: YPLL65
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): YPLL65\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: YPLL65
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): YPLL65\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Cause of Death

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5-year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Leading\_Cause\_Mortality\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5-year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Leading\_Cause\_Mortality\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Leading\_Causes\_Mortality\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Leading\_Cause\_Mortality\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Leading\_Cause\_Mortality\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Leading\_Causes\_Mortality\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Hospitalization

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Topic Filters: Do not select either option. Leave default setting.
   3. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”.
   4. Year: Select all years that you would like to include within your report.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
   9. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_CHAT\_Chelan\_State\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Hospitalization in Children

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Topic Filters: Do not select either option. Leave default setting.
   3. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”.
   4. Year: Select all years that you would like to include within your report.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: Select 20 Groups (Age) and then select <1, 1-4, 5-9, 10-14, 15-17
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
   9. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Youth\_CHAT\_Chelan\_State\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: Select 20 Groups (Age) and then select <1, 1-4, 5-9, 10-14, 15-17
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Youth\_CHAT\_Chelan\_Communities\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “Leading Causes”
   3. Year: Select all years that you would like to include within your report.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: Select 20 Groups (Age) and then select <1, 1-4, 5-9, 10-14, 15-17
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Youth\_CHAT\_LHJs\_Aggregated\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Hospitalization in Young Adults

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Topic Filters: Do not select either option. Leave default setting.
   3. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   4. Year: Select all years that you would like to include within your report.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: Select 20 Groups (Age) and then select 18-19, 10-24
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
   9. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Young\_Adults\_CHAT\_Chelan\_State\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   3. Year: Select all years that you would like to include within your report
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: Select 20 Groups (Age) and then select 18-19, 20-24
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Young\_Adults\_CHAT\_Chelan\_Communities\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   3. Year: Select all years that you would like to include within your report.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: Select 20 Groups (Age) and then select 18-19, 20-24
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Young\_Adults\_CHAT\_LHJs\_Aggregated\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Hospitalization in Adults

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Topic Filters: Do not select either option. Leave default setting.
   3. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   4. Year: Select all years that you would like to include within your report.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: Select 20 Groups (Age) and then select 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-64
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
   9. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_ Adults\_CHAT\_Chelan\_State\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   3. Year: Select all years that you would like to include within your report
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: Select 20 Groups (Age) and then select 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-64
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Adults\_CHAT\_Chelan\_Communities\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   3. Year: Select all years that you would like to include within your report.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: Select 20 Groups (Age) and then select 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-64
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_ Adults\_CHAT\_LHJs\_Aggregated\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Hospitalization in Older Adults

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Topic Filters: Do not select either option. Leave default setting.
   3. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   4. Year: Select all years that you would like to include within your report.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: Select 20 Groups (Age) and then select 65-69, 70-74, 75-79, 80-84, 85+
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
   9. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Older\_Adults\_CHAT\_Chelan\_State\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   3. Year: Select all years that you would like to include within your report
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: Select 20 Groups (Age) and then select 65-69, 70-74, 75-79, 80-84, 85+
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Older\_Adults\_CHAT\_Chelan\_Communities\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Hospitalization Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate: Specified Age Range
   2. Diagnosis: Click the “Code Set” drop down menu and select “ICD10cm Raw Codes”. Select “Add Top Level”
   3. Year: Select all years that you would like to include within your report.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: Select 20 Groups (Age) and then select 65-69, 70-74, 75-79, 80-84, 85+
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Hospitalizations\_Older\_Adults\_CHAT\_LHJs\_Aggregated\_2017\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Infant Mortality

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Infant Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Total Infant Mortality Rate
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Infant\_Mortality\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Infant Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Total Infant Mortality Rate
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Infant\_Mortality\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Infant Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Total Infant Mortality Rate
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Infant\_Mortality\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Infant Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Total Infant Mortality Rate
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Infant\_Mortality\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Infant Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Total Infant Mortality Rate
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Infant\_Mortality\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Infant Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Total Infant Mortality Rate
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Infant\_Mortality\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Death Rate

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Death\_Rate\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Death\_Rate\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Death\_Rate\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Death\_Rate\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Death\_Rate\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Death\_Rate\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Life Expectancy

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Life Expectancy Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Life Expectancy in Years
   2. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   3. Geography: Select your County of interest and click the Include State Total button
   4. Age: Select <1
   5. Gender: All Genders (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Life\_Expectancy\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Life Expectancy Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Life Expectancy in Years
   2. Diagnosis: All Combined
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: <1
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Life\_Expectancy\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Life Expectancy Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Life Expectancy in Years
   2. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   3. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   4. Age: <1
   5. Gender: All Genders (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Life\_Expectancy\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Life Expectancy Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Life Expectancy in Years
   2. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   3. Geography: Select your County of interest and click the Include State Total button
   4. Age: <1
   5. Gender: All Genders (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Life\_Expectancy\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Life Expectancy Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Life Expectancy in Years
   2. Diagnosis: All Combined
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: <1
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Life\_Expectancy\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Life Expectancy Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Life Expectancy in Years
   2. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   3. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   4. Age: <1
   5. Gender: All Genders (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Life\_Expectancy\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# General Adult Health

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Poor General Health-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Poor\_General\_Health\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Poor General Health-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Poor\_General\_Health\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Low Birth Weight

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Select Grouped. Once selected, the box below will become active. Select Custom Groups and then select Low BW.
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Low\_Birth\_Weight\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Select Grouped. Once selected, the box below will become active. Select Custom Groups and then select Low BW.
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Low\_Birth\_Weight\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Select Grouped. Once selected, the box below will become active. Select Custom Groups and then select Low BW.
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Low\_Birth\_Weight\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Select Grouped. Once selected, the box below will become active. Select Custom Groups and then select Low BW.
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Low\_Birth\_Weight\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Select Grouped. Once selected, the box below will become active. Select Custom Groups and then select Low BW.
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Low\_Birth\_Weight\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Select Grouped. Once selected, the box below will become active. Select Custom Groups and then select Low BW.
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Low\_Birth\_Weight\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Teenage Pregnancy Rate

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Pregnancy and Abortion Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Pregnancy Rate
   2. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   3. Geography: Select your County of interest and click the Include State Total button
   4. Age: Select Custom Groups, then Teen Group
   5. Race: All Races (Combined)
   6. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Teen\_Pregnancy\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the
3. Click into the Pregnancy and Abortion Module
4. Set Preferences for Query
   1. Primary Statistic or Measure: Pregnancy Rate
   2. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   3. Geography: Select your County of interest and click the Include State Total button
   4. Age: Select Custom Groups, then Teen Group
   5. Race: All Races (Combined)
   6. Ethnicity (Combined)
5. Submit Query
6. Export to CSV
7. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Teen\_Pregnancy\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Gonorrhea

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Gonorrhea
   4. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: All Ages (Combined)
   7. Race: All Races (Combined)
   8. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Gonorrhea\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Gonorrhea
   4. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   5. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Gonorrhea\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Gonorrhea
   4. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: All Ages (Combined)
   7. Race: All Races (Combined)
   8. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Gonorrhea\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Gonorrhea
   4. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   5. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Gonorrhea\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Chlamydia

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Chlamydia
   4. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: All Ages (Combined)
   7. Race: All Races (Combined)
   8. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Chlamydia\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Chlamydia
   4. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   5. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Chlamydia\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Chlamydia
   4. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: All Ages (Combined)
   7. Race: All Races (Combined)
   8. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Chlamydia\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Chlamydia
   4. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   5. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Chlamydia\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Syphilis

## By One Year Increments

### County/State

* Log into CHAT
* Click into the Sexually Transmitted Disease Module
* Set Preferences for Query
  1. Primary Statistic or Measure: Crude Rate
  2. Topic Filters: Don’t Select
  3. STD: Select Custom Groups and then Primary and Secondary Syphilis
  4. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
  5. Geography: Select your County of interest and click the Include State Total button
  6. Age: All Ages (Combined)
  7. Race: All Races (Combined)
  8. Gender: All Genders (Combined)
* Submit Query
* Export to CSV
* Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
* Move file to the folder that you will use to pull data into R and rename file.
  1. Rename using this convention (but make sure to change the years): Syphilis\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
* From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Select Custom Groups and then Primary and Secondary Syphilis
   4. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   5. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Syphilis\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Select Custom Groups and then Primary and Secondary Syphilis
   4. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   5. Geography: Select your County of interest and click the Include State Total button
   6. Age: All Ages (Combined)
   7. Race: All Races (Combined)
   8. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Syphilis\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Sexually Transmitted Disease Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. Topic Filters: Don’t Select
   3. STD: Select Custom Groups and then Primary and Secondary Syphilis
   4. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   5. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   6. Age: All Ages (Combined)
   7. Gender: All Genders (Combined)
   8. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Syphilis\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Pregnancy Rate

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Pregnancy and Abortion Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Pregnancy Rate
   2. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   3. Geography: Select your County of interest and click the Include State Total button
   4. Age: All Ages (Combined)
   5. Race: All Races (Combined)
   6. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the
3. Click into the Pregnancy and Abortion Module
4. Set Preferences for Query
   1. Primary Statistic or Measure: Pregnancy Rate
   2. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   3. Geography: Select your County of interest and click the Include State Total button
   4. Age: All Ages (Combined)
   5. Race: All Races (Combined)
   6. Ethnicity (Combined)
5. Submit Query
6. Export to CSV
7. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Maternal Smoking

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Smoking-Yes
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_Smoking\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Smoking-Yes
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_Smoking\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Smoking-Yes
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_Smoking\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Smoking-Yes
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_Smoking\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Smoking-Yes
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_Smoking\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Birth Risk Factors
3. Set Preferences for Query
   1. Primary Statistic or Measure: Birth Risk Factor Percent
   2. Birth Risk Factors: Smoking-Yes
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Pregnancy\_Smoking\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Heavy Alcohol Use

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Heavy alcohol consumption-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Heavy\_Alcohol\_Consumption\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Heavy alcohol use-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Heavy\_Alcohol\_Consumption\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Adult Smoking

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Current Smoker-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Current\_Smoker\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Current Smoker-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Current\_Smoker\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Adult Physical Inactivity

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Meets Aerobic Guidelines-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Physical\_Activity\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Dental Visit

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Dental visit past year-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Dental\_Checkup\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Vegetable Consumption

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Vegetable LT 1 per day
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Vegetable\_Consumption\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Fruit Consumption

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Fruit LT 1 per day
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Fruit\_Consumption\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Mental Health

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Mental Health-Not Good
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Poor\_Mental\_Health\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Mental Health-Not Good
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Poor\_Mental\_Health\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Overdose Deaths

## By One Year Increments

### County/State

* + - * Resident Based Deaths
  1. Log into CHAT
  2. Click into the WA State Opioid Quarterly Report
  3. Set Preferences for Query
     1. Find Table 3.2.1
        1. Year: All
        2. Year\_quarter: All
        3. Geography: Select county of interest and state
        4. Drug\_type: All
        5. Count: All
        6. Cumsum\_quarter: All
        7. Geography\_type: All
        8. Outcome: All
        9. Date\_update: All
        10. Drug\_num: All
        11. Quarter: All
  4. Export to CSV
  5. Go to your Downloads file on your computer, find the downloaded file (will be named Washington State Drug Overdose Monthly Updates.csv or something similar)
  6. Move file to the folder that you will use to pull data into R and rename file.
  7. Rename using this convention (but make sure to change the years): Overdose\_CHAT\_Chelan\_State\_Residence\_2001\_2021\_1.csv
* From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)
  + - * Geography Based Deaths
  1. Log into CHAT
  2. Click into the WA State Opioid Quarterly Report
  3. Set Preferences for Query
     1. Find Table 3.2.2
        1. Year: All
        2. Year\_quarter: All
        3. Geography: Select county of interest and state
        4. Drug\_type: All
        5. Count: All
        6. Cumsum\_quarter: All
        7. Geography\_type: All
        8. Outcome: All
        9. Date\_update: All
        10. Drug\_num: All
        11. Quarter: All
  4. Export to CSV
  5. Go to your Downloads file on your computer, find the downloaded file (will be named Washington State Drug Overdose Monthly Updates.csv or something similar)
  6. Move file to the folder that you will use to pull data into R and rename file.
  7. Rename using this convention (but make sure to change the years): Overdose\_CHAT\_Chelan\_State\_Geography\_2001\_2021\_1.csv
* From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Drowning

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings find Accidents, then select Nontransport accidents, then Accidental drowning or submersion.
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Drowning\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings find Accidents, then select Nontransport accidents, then Accidental drowning or submersion.
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Drowning\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings find Accidents, then select Nontransport accidents, then Accidental drowning or submersion.
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Drowning\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings find Accidents, then select Nontransport accidents, then Accidental drowning or submersion.
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Drowning\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings find Accidents, then select Nontransport accidents, then Accidental drowning or submersion.
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Drowning\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings find Accidents, then select Nontransport accidents, then Accidental drowning or submersion.
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Drowning\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Suicide

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings select Intentional self-harm (suicide)
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Suicide\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings select Intentional self-harm (suicide)
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Suicide\_CHAT\_Chelan\_Communities\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings select Intentional self-harm (suicide)
   3. Year: Select all years that you would like to include within your report. If possible, try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Suicide\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings select Intentional self-harm (suicide)
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Suicide\_CHAT\_Chelan\_State\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### Communities

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings select Intentional self-harm (suicide)
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Find custom group that applies to your county and select that
         1. Chelan: Chelan Communities
         2. Douglas: Douglas Communities
         3. Grant: Grant County Communities
         4. Kittitas: Kittitas Communities
         5. Okanogan: Okanogan Communities
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Suicide\_CHAT\_Chelan\_Communities\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Mortality Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Age-Adjusted Rate
   2. Diagnosis: Under NCHS113 Groupings select Intentional self-harm (suicide)
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
   8. Ethnicity (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Suicide\_CHAT\_LHJs\_Aggregated\_2001\_2021\_5.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Asthma

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Asthma-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Asthma\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Asthma-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Asthma \_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Diabetes

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Diabetes dx-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Diabetes\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Diabetes dx-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Diabetes\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Healthcare Cost

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: HCP not seen due to cost-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): HCP\_Cost\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: HCP not seen due to cost-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): HCP\_Cost\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Healthcare Visit

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Healthcare Provider-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): HCP\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Healthcare Provider-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): HCP\_CHAT\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Flu Vaccination

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Flu Shot or Vaccine-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 1 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Flu\_Vaccination\_Chelan\_State\_2001\_2021\_1.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Three Year Increments

### County/State

1. Log into CHAT
2. Click into the BRFSS
3. Set Preferences for Query
   1. Statistic or Measure: Age-Adjusted Proportion
   2. BRFSS Variable: Flu Shot or Vaccine-Yes
   3. Geography: Select your County of interest and State
   4. Year Rollup: Select 3 Year
   5. Year: Select All Years of interest. Note that some BRFSS variables are only available alternate years or random years.
   6. Gender: All (Combined)
   7. Race: All (Combined)
4. Submit Query
5. Table Configuration: Year, Geography, BRFSS Variable, Gender, Race, Proportion, Lower CI, Upper CI, RSE, Count, Population
6. Export: Keep as a CSV and then press Download
7. Go to your Downloads file on your computer, find the downloaded file (will be named BRFSS\_output.csv or something similar)
8. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Flu\_Vaccination\_Chelan\_State\_2001\_2021\_3.csv
9. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# Tuberculosis

## By One Year Increments

### County/State

1. Log into CHAT
2. Click into the Tuberculosis Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. TB: All TB (Combined)
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Tuberculosis\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Tuberculosis Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. TB: All TB (Combined)
   3. Year: Select all years that you would like to include within your report. If possible try to select a number of years that can be broken into 5 year increments for easy comparison between one-year increments and 5-year increment metrics. Ex: CHA from 2023 selected data from 2001-2021
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Tuberculosis\_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

## By Five Year Increments

### County/State

1. Log into CHAT
2. Click into the Tuberculosis Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. TB: All TB (Combined)
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select your County of interest and click the Include State Total button
   5. Age: All Ages (Combined)
   6. Race: All Races (Combined)
   7. Gender: All Genders (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Tuberculosis\_CHAT\_Chelan\_State\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

### North Central LHJs

1. Log into CHAT
2. Click into the Tuberculosis Module
3. Set Preferences for Query
   1. Primary Statistic or Measure: Crude Rate
   2. TB: All TB (Combined)
   3. Year: Select the “Number of Years to Combine” drop down and change it from 1 to 5. Then select the year ranges that you would like to include. Include all the years you included when constructing the one-year increment metrics.
   4. Geography: Select Custom Groups
      1. Select: North Central Washington LHJs
   5. Age: All Ages (Combined)
   6. Gender: All Genders (Combined)
   7. Race: All Races (Combined)
4. Submit Query
5. Export to CSV
6. Go to your Downloads file on your computer, find the downloaded file (will be named Temp.csv or something similar)
7. Move file to the folder that you will use to pull data into R and rename file.
   1. Rename using this convention (but make sure to change the years): Tuberculosis \_CHAT\_LHJs\_Aggregated\_2001\_2021\_1.csv
8. From here you should be able to just load the file into R and run it (after making edits to the script that are listed within the script)

# American Community Survey (ACS)

The American Community Survey Data can be access in two ways. First is by downloading Excel files from the American Community Survey Website. The second, and preferred way, is to pull ACS data straight into R using the tidycensus package. To run tidycensus, you will need an API key issued by the census department. Here is a link with information on how to get a key and install it: <https://search.r-project.org/CRAN/refmans/tidycensus/html/census_api_key.html>

If you use tidycensus to pull in data, there isn’t much additional work that is needed to download the data, since it will be pulled directly into R and you won’t have to do much data manipulation. Additionally, ACS data files are extremely large if downloaded locally onto your computer, so pulling data in through R is preferred. When using tidycensus, you will pull in the data you’re interested in through variable codes. Note that codes sometimes change year to year, and therefore you’ll need to verify the codes for subsequent years. Codes can be checked via loading in all the variables. This code is already in the R scripts. The Rmarkdown file should function, for all of the indicators below to pull in, manipulate and visualize all of the indicators.

ACS in small population areas is only put out in 5-year estimates, therefore the data you’ll be pulling in is just the 5-year estimates.

## Educational Attainment

## Language Spoken at Home

## Median Household Income

## Per Capita Income

## Renter Occupied Home

## Cost Burdened Home

## Households With a Mortgage

## Households Without a Mortgage

## Renters

## Health Insurance

## Unemployment Rate

## Occupation Type

## SNAP Program

## Public Income Assistance

## Poverty

## Disability

# CDC National Environmental Public Health Tracking Network

To access the data, follow this link: <https://ephtracking.cdc.gov/>

## Recreation Access

* + Follow link above and then select the Explore Button on the main page.
  + This should bring you to a Query Panel. Input the following Query:
    - Step 1:
      * Select Content Area: Community Design
      * Select Indicator: Access to Parks & Public Elementary Schools
      * Select Measure: Percent of People Living Within ½ to 1 mile of a Park
    - Step 2:
      * Select Geographic Type: State by County
    - Step 3:
      * Geography: Washington
    - Step 4:
      * Time: All Years
    - Step 5:
      * Advanced Options: Distance to Parks: ½ Mile
  + Then select GO
  + You should be brought to a map of Washington.
  + Up at the top of the page, there is a button with an arrow point down to download the data. Select this. A zip file will download. In this file, there is an Excel file which is your data.
  + Rename this file something similar to : Park\_Access\_CDCNEPTN\_LHJs\_2010\_2015.csv
  + Now read this file into the Rmarkdown file to create visualizations

## Air Quality

* + Follow link above and then select the Explore Button on the main page.
  + This should bring you to a Query Panel. Input the following Query:
    - Step 1:
      * Select Content Area: Air Quality
      * Select Indicator: Historical Air Quality
      * Select Measure: PM2.5: Annual Average Concentration (Monitor + Modeled Data)
    - Step 2:
      * Select Geographic Type: State by County
    - Step 3:
      * Geography: Washington
    - Step 4:
      * Time: Select Years of Interest for you
    - Step 5:
      * Advanced Options: Distance to Parks: ½ Mile
  + Then select GO
  + You should be brought to a map of Washington.
  + Up at the top of the page, there is a button with an arrow point down to download the data. Select this. A zip file will download. In this file, there is an Excel file which is your data.
  + Rename this file something similar to : Air\_Quality\_CDCNEPTN\_LHJs\_2010\_2019.csv
  + Now read this file into the Rmarkdown file to create visualizations

# Department of Children, Youth and Family

To access this data, visit this site: <https://portal.cssat.org/>

## Child Abuse and Neglect Referrals

* + Follow the link above. Then scroll down and find Investigations and Assessments box under Explore Visualizations and select it.
  + Select the View Graph button.
  + On the left side of the screen, use the filters to get the data you want.
    - Display: Keep Default
    - Date and Time: Yearly, select years of interest
    - Demographics: Keep as default
    - Location: Select County of Interest and All
  + Press the update button
  + Then find the download button and download datafile as a .csv
  + Rename file to something like: Abuse\_Referrals\_DCYF\_LHJs\_2006\_2020
  + Load file into Rmarkdown script and make any changes in the script that are needed

# Healthy Youth Survey

To access this data, you will need to reach out to the Epi that runs the HYS. At the time of this report that was Maayan Simckes ([maayan.simckes@doh.wa.gov](mailto:maayan.simckes@doh.wa.gov)).

When files are sent, there will be one file for state level data and one for county level for each year. Within these excel documents, each grade of student will have its own tab within the excel document. You will need to reformat these files so that each grade of student at both the county and state is in its own CSV file in order to run the files into the Rmarkdown file. Once this is done you should have an individual CSV file for each grade, for each year, at both the state and LHJ or county level. Once you have these, you should be able to then run the Rmarkdown file to get your data visualizations.

## Sexual History

## Sexual History by Age 13

## Sexual Partners

## Youth Condom Use

## Substance Use

## Physical Activity

## Suicidal Ideation

## Youth Bullying

## Youth Dental Care

## Asking Parents for Help

## Parental Relationship

## Financial Situation

## Asthma

# Office of Financial Management

To access this data, visit this site: <https://sac.ofm.wa.gov/sites/default/files/public/cjdb/CrimeStatsOnline.html>

## Crime

* + Follow above link. You should see an interactive map of Washington.
  + Find the Data Table tab and select this.
  + Input the following filters:
    - Year: Select All that you’re interested in
    - County: Select State and then the County or Counties you’re interested in.
    - Data Type: Reported NIBRS Crimes Rate
    - Data Subtype: Total
  + Scroll down to the bottom of the webpage and find the download button and select this.
  + A Tableau pop-up should open. Press the download button again and select data. Your data should download into a CSV file.
  + Rename this file something like: Violent\_Crime\_OFM\_LHJs\_State\_2016\_2021.csv
  + Run through the Rmarkdown script.

# CDC PLACES

To access this data, visit this site: <https://chronicdata.cdc.gov/browse?category=500+Cities+%26+Places>

## Stroke

* + Follow the link above. Each year of data will have its own download that you’ll need to retrieve.
  + The file you’re looking for will be named “PLACES: Local Data for Better Health, County Data 2022 release” but will be for whatever year you’re looking for.
  + Select this file and then find the Export button. Select this and download as a CSV.
  + Rename file and then run through the Rmarkdown file.

## Tooth Loss

* + Follow the same instructions as above. Both indicators will be downloaded in the same file.

# Washington State Department of Commerce

To access this data, visit this site: <https://deptofcommerce.app.box.com/s/ek9pu2w07oz8d77gq6c1rlpxuwcw0515>

## Homelessness

* + Follow the link above. From there, you’ll see a drop box of Point in Time results.
  + Download the PDF of the PIT Results for the years you’re interested in.
  + Since data is only available as a PDF, you will need to manually convert the PDFs to a CSV file.
  + Once translated to CSV, run file through Rmardown file.

# Washington Department of Health

To access this data, visit this site: <https://doh.wa.gov/data-and-statistical-reports/diseases-and-chronic-conditions/communicable-disease-surveillance-data/annual-cd-surveillance-reports>

## Shigella

* + Follow link above. Find the report from the year you’re interested in.
  + Reports are only in PDF, so you’ll have to manually convert to a CSV.
  + Find report for Shigella and enter information into a CSV. Do this for each year you’re interested in.
  + Save CSV file and then run through Rmarkdown script

## Salmonella

* + Follow link above. Find the report from the year you’re interested in.
  + Reports are only in PDF, so you’ll have to manually convert to a CSV.
  + Find report for Salmonella and enter information into a CSV. Do this for each year you’re interested in.
  + Save CSV file and then run through Rmarkdown script

## Giardia

* + Follow link above. Find the report from the year you’re interested in.
  + Reports are only in PDF, so you’ll have to manually convert to a CSV.
  + Find report for Giardia and enter information into a CSV. Do this for each year you’re interested in.
  + Save CSV file and then run through Rmarkdown script

## Ecoli

* + Follow link above. Find the report from the year you’re interested in.
  + Reports are only in PDF, so you’ll have to manually convert to a CSV.
  + Find report for Ecoli and enter information into a CSV. Do this for each year you’re interested in.
  + Save CSV file and then run through Rmarkdown script

## Campy

* + Follow link above. Find the report from the year you’re interested in.
  + Reports are only in PDF, so you’ll have to manually convert to a CSV.
  + Find report for Campy and enter information into a CSV. Do this for each year you’re interested in.
  + Save CSV file and then run through Rmarkdown script

## HIV

* + Follow this above. Find the report from the year you’re interested in.
  + Reports are only in PDF, so you’ll have to manually convert to a CSV.
  + Find report for HIV and enter information into a CSV. Do this for each year you’re interested in.
  + Save CSV file and then run through Rmarkdown script

# Washington State Cancer Registry

To access this data, visit this site: <https://fortress.wa.gov/doh/wscr/Query.mvc/Query>

## Cancer Incidence

* + Select link above.
  + On this page, there is query box.
  + Enter the following query:
    - Cancer site: All Cancers Combined
    - Data Type: Incidence
    - Rate: Age-Adjusted Rate
    - Stage at Diagnosis: All Combined
    - Gender: Blank
    - Race: Blank
    - Time Period: 1-year
    - Years: Select all you’re interested in
    - Geography: County
    - Geographies: Select all counties you’re interested in
  + Hit submit and then scroll to the bottom of the screen and find the Download Results button.
  + A CSV will download. Rename this and then run through Rmarkdown.
  + Do all the steps above again, but change Geography to State.

# Washington State Immunization Information System

To access this data, visit this site: <https://doh.wa.gov/data-statistical-reports/washington-tracking-network-wtn/immunization-data/county-hedis-measures-dashboard>

## Infant Vaccination

* + Follow link above and select the Data Table Download
  + Input the following filters:
    - Select Data Year: Years can only be downloaded one at a time. So you’ll need to do this for each year you’re interested in.
    - Vaccine Series: Child Combo 10 HEDIS Immunization (2 yrs)
    - Vaccine Component: HEDIS Combo 10
    - Sex: All
    - Geography: Select County or Counties of Interest and Statewide
    - Select the download button and then select crosstab then select CSV.
  + Rename download and then read into rmarkdown script

## Adolescent Vaccination

* + Follow link above and select the Data Table Download
  + Input the following filters:
    - Select Data Year: Years can only be downloaded one at a time. So you’ll need to do this for each year you’re interested in.
    - Vaccine Series: Adolescent Series
    - Vaccine Component: 1:1:UTD
    - Sex: All
    - Geography: Select County or Counties of Interest and Statewide
    - Select the download button and then select crosstab then select CSV.
  + Rename download and then read into rmarkdown script

## Kindergarten Vaccination

* + Follow this link: <https://doh.wa.gov/data-and-statistical-reports/washington-tracking-network-wtn/school-immunization/dashboard>
  + Input the following filters:
    - School Year: Years can only be downloaded one at a time. So you’ll need to do this for each year you’re interested in.
    - Disease: Overall
    - Grade: Kindergarten
    - Geography: Select County or Counties of Interest and Statewide
    - Select the download button and then select crosstab then select CSV.
  + Rename download and then read into rmarkdown script