Warren County Public Health
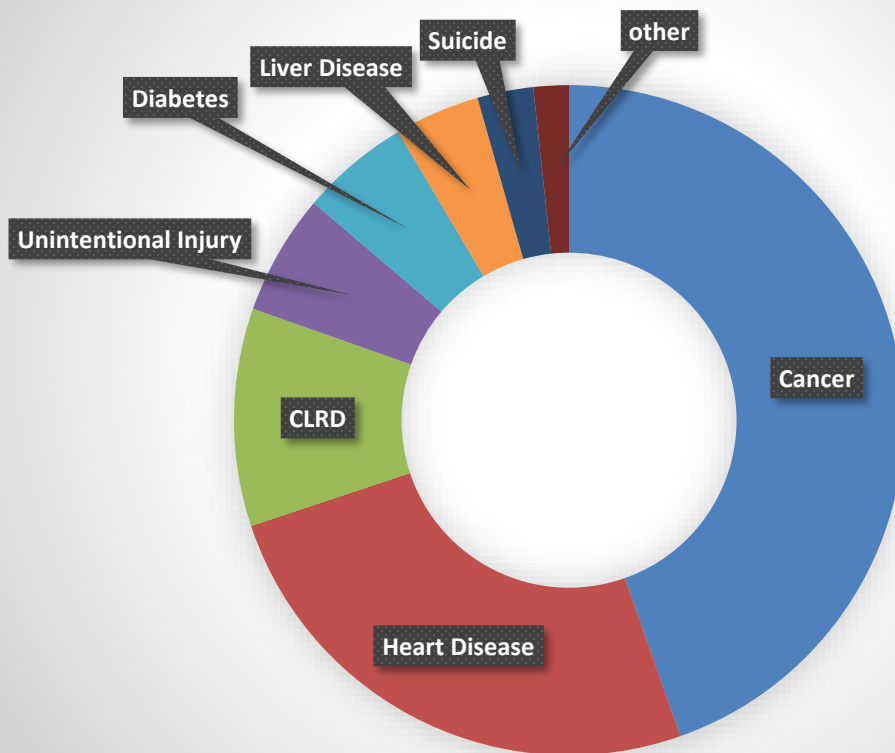# Leading Causes of Premature Deaths (<75 years) In Warren County 2016 -2020

Report February 2024

7 Leading Causes of Premature Deaths in Warren County

Purpose

The purpose of this report is to highlight the seven leading causes of premature deaths (<75 years) among Warren County residents. By identifying the leading causes of premature death, public health planners can conduct a focused search for data about health risk behaviors associated with the leading causes of death. Once a review of health risk behaviors data is completed the goal will be to find evidence-based strategies to affect positive change in those behaviors.

Terminology to Know:

Premature Death – A death that occurs before the average age of death in a certain population. In the United States, the average age of death is about 75 years.

Chronic Lower Respiratory Disease (CLRD) – Found in the tables, refers to a group of diseases that cause airflow blockage and breathing-related problems. It includes emphysema and chronic bronchitis.

Social Determinants of Health (SDoH) - Are the conditions in the environments where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks.

Purpose

Leading Causes of Premature Death 2016-2020 (total)

From 2016-2020 there were 1438 premature deaths among Warren County residents. Since 2016, cancer has been the leading cause of premature death among Warren County residents followed by heart disease. Together cancer and heart disease account for almost half (49.2%) of all premature deaths in Warren County. Chronic lower respiratory disease is third.

Unintentional injury, diabetes, liver disease, suicide and cerebrovascular disease change positions each year and round out the top seven causes of premature deaths among all Warren County residents from 2016-2020.

Table 1: Total Population

Leading Causes of Premature (<75 years) Death for Total Population
Selected Counties: Warren

Top 7 Causes ▼

	Total Deaths	#1 Cause of Death	#2 Cause of Death	#3 Cause of Death	#4 Cause of Death	#5 Cause of Death	#6 Cause of Death	#7 Cause of Death
2020	Total Deaths 310 342.9 per 100,000	Cancer 92 90.4 per 100,000	Heart Disease 52 51.0 per 100,000	CLRD 21 17.9 per 100,000	Liver Disease 14 17.6 per 100,000	Diabetes 12 13.2 per 100,000	Unintentional Injury 8 13.6* per 100,000	Suicide 8 13.1* per 100,000
2019	Total Deaths 275 317.7 per 100,000	Cancer 74 79.8 per 100,000	Heart Disease 54 62.5 per 100,000	CLRD 18 15.3 per 100,000	Diabetes 12 10.3 per 100,000	Unintentional Injury 11 16.3 per 100,000	Cerebrovascular Disease 8 7.6* per 100,000	Suicide 6 11.4* per 100,000
2018	Total Deaths 257 292.9 per 100,000	Cancer 68 66.2 per 100,000	Heart Disease 47 48.0 per 100,000	CLRD 23 21.3 per 100,000	Unintentional Injury 13 23.0 per 100,000	Diabetes 10 9.5 per 100,000	Suicide 7 11.9* per 100,000	Liver Disease 7 7.0* per 100,000
2017	Total Deaths 315 345.0 per 100,000	Cancer 120 118.9 per 100,000	Heart Disease 51 53.1 per 100,000	CLRD 26 22.8 per 100,000	Unintentional Injury 14 23.5 per 100,000	Diabetes 10 9.5 per 100,000	Liver Disease 9 9.6* per 100,000	Cerebrovascular Disease 9 8.6* per 100,000
2016	Total Deaths 281 314.0 per 100,000	Cancer 98 99.9 per 100,000	Heart Disease 52 57.0 per 100,000	CLRD 19 19.2 per 100,000	Unintentional Injury 13 18.6 per 100,000	Liver Disease 11 11.7 per 100,000	Diabetes 9 8.1* per 100,000	Suicide 7 12.4* per 100,000

Number of deaths and age-adjusted death rate (Warren)

CLRD: Chronic Lower Respiratory Diseases

*Rates based on fewer than 10 events in the numerator are unstable.

Note: Ranks are based on numbers of deaths, then on mortality rates. Where county's death counts <u>and</u> rates are tied, '(tie)' appears at the bottom of the corresponding cells, and causes are further ranked alphabetically.
If a cell is blank, then there were no deaths from any of the 25 causes used in our tables. These causes are listed in the technical notes.

Source: Vital Statistics Data as of November 2022

Leading Causes of Premature Death by Gender 2016-2020

Table 2: Females

Leading Causes of Premature (<75 years) Death for Female Population
Selected Counties: Warren

Top 7 Causes ▼

	Total Deaths	#1 Cause of Death	#2 Cause of Death	#3 Cause of Death	#4 Cause of Death	#5 Cause of Death	#6 Cause of Death	#7 Cause of Death
2020	Total Deaths 124 259.3 per 100,000	Cancer 51 97.4 per 100,000	Heart Disease 13 23.2 per 100,000	CLRD 9 14.9* per 100,000	Diabetes 7 15.9* per 100,000	Liver Disease 4 11.0* per 100,000	COVID-19 4 9.5* per 100,000	Unintentional Injury 2 5.5* per 100,000
2019	Total Deaths 101 219.5 per 100,000	Cancer 31 62.8 per 100,000	Heart Disease 15 36.0 per 100,000	CLRD 8 13.1* per 100,000	Pneumonia and Influenza 4 8.1* per 100,000	Diabetes 4 6.6* per 100,000	Cerebrovascular Disease 3 6.4* per 100,000	Hypertension with or without Renal Disease 2 4.9* per 100,000
2018	Total Deaths 97 216.7 per 100,000	Cancer 30 56.8 per 100,000	Heart Disease 14 26.1 per 100,000	CLRD 10 18.3 per 100,000	Unintentional Injury 4 15.2* per 100,000	Diabetes 4 6.6* per 100,000	Birth Defects 3 15.1* per 100,000	Kidney Disease and Diseases of the Urinary Tract 3 5.1* per 100,000
2017	Total Deaths 124 274.0 per 100,000	Cancer 44 82.9 per 100,000	Heart Disease 18 36.1 per 100,000	CLRD 10 17.0 per 100,000	Diabetes 5 8.5* per 100,000	Unintentional Injury 4 20.5* per 100,000	Liver Disease 4 10.3* per 100,000	Cerebrovascular Disease 3 5.0* per 100,000
2016	Total Deaths 104 214.0 per 100,000	Cancer 35 68.8 per 100,000	Heart Disease 16 31.2 per 100,000	CLRD 9 15.6* per 100,000	Unintentional Injury 6 11.6* per 100,000	Kidney Disease and Diseases of the Urinary Tract 6 10.4* per 100,000	Liver Disease 5 9.8* per 100,000	Diabetes 3 5.3* per 100,000

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Source: Vital Statistics Data as of November 2022

The leading causes of premature deaths among females in Warren County are similar to the whole population. Cancer and heart disease are one and two respectively with chronic lower respiratory disease third. Cancer and heart disease account for (48.5%) of the premature female deaths. Missing from the top seven causes of premature deaths for females is suicide.

It should also be noted there are three leading causes of premature death among females that show up in different years that are not present in the whole population. They are kidney diseases and disease of the urinary tract, hypertension with or without renal disease and COVID-19.

Females accounted for 38.3% of premature deaths in Warren County from 2016-2020.

Table 3: Males

Top 7 Causes ▾

	Total Deaths	#1 Cause of Death	#2 Cause of Death	#3 Cause of Death	#4 Cause of Death	#5 Cause of Death	#6 Cause of Death	#7 Cause of Death
				Number of deaths and age-adjusted death rate				
2020	Total Deaths 186 430.0 per 100,000	Cancer 41 83.2 per 100,000	Heart Disease 39 80.2 per 100,000	CLRD 12 21.2 per 100,000	Liver Disease 10 24.5 per 100,000	Suicide 7 21.3* per 100,000	Unintentional Injury 6 22.1* per 100,000	Diabetes 5 10.6* per 100,000
2019	Total Deaths 174 419.8 per 100,000	Cancer 43 97.6 per 100,000	Heart Disease 39 91.0 per 100,000	Unintentional Injury 10 31.0 per 100,000	CLRD 10 17.6 per 100,000	Diabetes 8 14.2* per 100,000	Suicide 5 17.7* per 100,000	Liver Disease 5 12.4* per 100,000
2018	Total Deaths 160 372.5 per 100,000	Cancer 38 76.1 per 100,000	Heart Disease 33 71.6 per 100,000	CLRD 13 24.5 per 100,000	Unintentional Injury 9 30.9* per 100,000	Diabetes 6 12.6* per 100,000 (tie)	Liver Disease 6 12.6* per 100,000 (tie)	Suicide 5 17.0* per 100,000
2017	Total Deaths 191 421.1 per 100,000	Cancer 76 156.8 per 100,000	Heart Disease 33 71.6 per 100,000	CLRD 16 28.9 per 100,000	Unintentional Injury 10 27.2 per 100,000	Cerebrovascular Disease 6 12.3* per 100,000	Suicide 5 16.7* per 100,000	Diabetes 5 10.6* per 100,000
2016	Total Deaths 177 418.0 per 100,000	Cancer 63 132.9 per 100,000	Heart Disease 36 83.9 per 100,000	CLRD 10 22.9 per 100,000	Unintentional Injury 7 25.3* per 100,000	Suicide 7 25.0* per 100,000	Liver Disease 6 13.7* per 100,000	Diabetes 6 11.0* per 100,000

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Source: Vital Statistics Data as of November 2022

The leading causes of premature deaths among males in Warren County are similar to the whole population. Cancer and heart disease are one and two respectively with chronic lower respiratory disease third (except in 2019). Cancer and heart disease account for (49.7%) of the premature male deaths.

It should also be noted that premature deaths from unintentional injury and suicide are higher for males than females. Males accounted for 61.7% of premature deaths in Warren County from 2016-2020.

Health Risk Behaviors Associated with Premature Death

There are numerous modifiable personal health risk behaviors that are associated with increased risk for premature death. Smoking and tobacco use are still the top health risk behaviors. Other contributing factors include obesity, lack of physical activity, uncontrolled hypertension (high blood pressure), excessive alcohol use and poor diet.

In addition to health risk behaviors, social determinants of health (SDoH) should also be considered when working to reduce premature deaths. According to the Centers for Disease Control (CDC) SDOHs have been shown to have a greater influence on health than either genetic factors or access to healthcare services.

What's Next

A review of Warren County resident's health risk behaviors data that are associated with premature death should be completed. By analyzing the data, public health staff should be able to identify health risk behaviors of concern.

Once the health risk behaviors of concern have been identified, public health staff need to organize resources and community partners that can work together to implement polices and programs to positively impact those health risk behaviors.

For more information about the leading causes of premature deaths in Warren County visit https://apps.health.ny.gov/public/tabvis/PHIG_Public/lcd/reports/#county

This report was completed by Warren County Public Health staff. Please direct questions or comments to durkeed@warrencountyny.gov