Maine Mortality Report: Ten Most Common Causes of Death 2019

Maine CDC
Data, Research, and Vital Statistics
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Acknowledgements

This report is produced under the general supervision and guidance of Kim Haggan, State Registrar and Director, Data, Research, and Vital Statistics (DRVS). Staff significantly involved in the production include:

Anne Rogers, MEd, Supervisor, Statistical Services Unit (*Retired*)- cleaning and editing databases, programming to extract and tabulate these data.

Carolyn Bancroft, MPH, DrPH, Surveillance and Statistics Manager – cleaning and editing databases, programming, data analysis, epidemiologic oversight and writing the text.

Sarah Wilcox, PhD, Data Analyst- cleaning and editing databases, programming, data analysis, and editorial review.

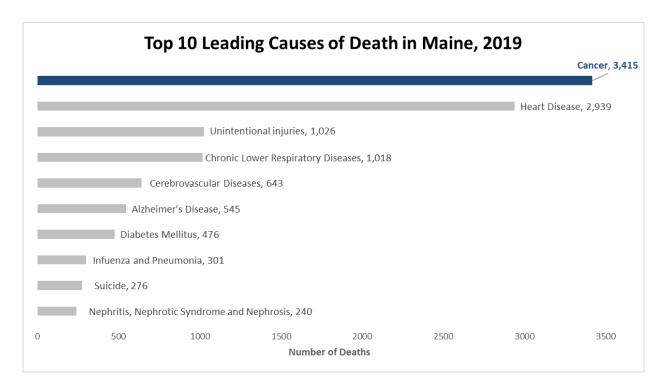
Jessica Cross, MPH, Epidemiologist - data checking.

The joint efforts of many staff are necessary to produce these data and maintain the vital statistics system. A special acknowledgement is made to all the staff in the Vital Records Unit for their front-line work in dealing with the many stakeholders, funeral directors, municipal clerks, medical certifiers, and medical examiners to collect and edit these data; and thanks to our stakeholders for providing these data and responding to staff inquiries.

Table of Contents

Acknowledgements	2
Section 1: Leading Causes of Death in Maine, 2019	4
Section 2: At-a-Glance Sheets	7
Maine vs. U.S	8
Males vs. Females	9
Trends over Time	10
Counties	11
Age Groups	13
Section 3: Cause-specific Figures	14
Technical Notes	19
References	21

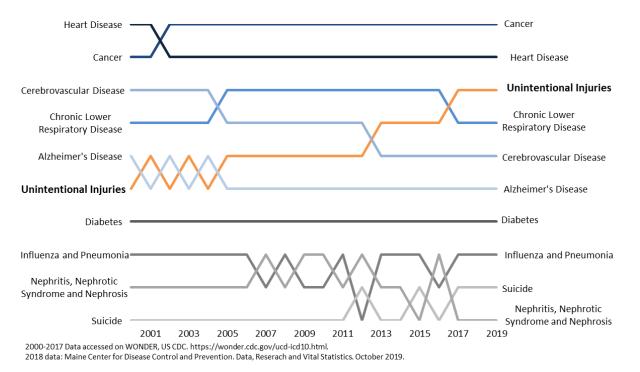
Section 1: Leading Causes of Death in Maine, 2019



Technical note: Ranks are based on number of deaths assigned to a rankable cause, not crude or ageadjusted rate comparisons, based on National Center for Health Statistics guidance.

Maine Leading Cause of Death Rank, 2000-2019

Unintentional injuries have risen from the 6th to the 3rd leading cause of death in Maine since 2000.



Summary of key findings

Key findings in comparison with the U.S.

- Cancer remains the leading cause of death in Maine and Heart Disease is the leading cause of death in the U.S.
- Maine's Cancer mortality rate is higher than the US and Maine's Heart Disease mortality rate is lower than the U.S.
- Maine's Unintentional Injury, Chronic Lower Respiratory Disease, Influenza and Pneumonia, and Suicide mortality rates are also higher than the U.S.

Key findings by Sex

- Cancer remains the leading cause of death among both males and females in Maine followed by Heart Disease as the 2nd leading cause of death.
- Unintentional injury is the 3rd leading cause of death among males and the 4th leading cause of death among females.

Key findings by County of Residence

- Compared with the entire state, Androscoggin, Kennebec, Penobscot, Piscataquis, Somerset, and Washington counties had higher overall mortality rates.
- Cumberland, Hancock, Lincoln, Sagadahoc, and York counties had lower overall mortality rates compared with the state.

Key findings of trends over time

- The statewide age-adjusted mortality rate decreased from 865.9 per 100,000 in 1999 to 760.0 per 100,000 in 2019. However, the decline in mortality plateaued starting in 2010 with no significant increase nor decrease since then.
- The age-adjusted cancer mortality rate in Maine decreased significantly over the past two decades from 214.6 per 100,000 in 1999 to 164.2 per 100,000 in 2019.
- The age-adjusted heart disease mortality rate decreased from 238.7 per 100,000 in 1999 to 142.5 per 100,000 in 2019. However, the decline in mortality plateaued starting in 2010 with no significant increase or decrease since then.
- The age-adjusted unintentional injury mortality rate nearly doubled over the past two decades from 34.9 per 100,000 in 1999 to 66.7 per 100,000 in 2019.
 - Unintentional injury deaths in Maine increased significantly from 2011 -2017 with an annual percent change of 11%, though they have plateaued between 2017-2019 with no statistically significant increase or decrease. It is the leading cause of death for individuals ages 54 and younger.

For information about analysis of trends in mortality rates over time, please refer to the description of Joinpoint analysis in the Technical Notes section at the end of this report.

Section 2: At-a-Glance Sheets

Maine vs. U.S. At-a-Glance Leading Causes of Death, 2019



Indicator	Unit	Maine	U.S.	Comparison	Year	
All Deaths	Rate per 100,000	760.0	715.2		2019	
All Deaths	95% CI	747.8- 772.3	714.4 - 716.1		2019	
Canaar Daatha	Rate per 100,000	164.2	146.2		2019	
Cancer Deaths	95% CI	158.5 - 169.8	145.8 - 146.5	•	2019	
Heart Diagona Dootha	Rate per 100,000	142.5	161.5		2019	
Heart Disease Deaths	95% CI	137.2 - 147.7	161.1 - 161.9		2019	
Unintentianal Inium Dantha	Rate per 100,000	66.7	49.3		2010	
Unintentional Injury Deaths	95% CI	62.3 - 71.0	49.0 - 49.5	•	2019	
Chronic Lower Respiratory	Rate per 100,000	48.3	38.2		2010	
Disease Deaths	95% CI	45.3 - 51.3	38.0 - 38.4	•	2019	
Cerebrovascular Disease Deaths	Rate per 100,000	31.4	37	_	2019	
Cerebrovascular Disease Deaths	95% CI	29.0 - 33.9	36.8 - 37.1		2019	
Al-haimanla Diagona Daotha	Rate per 100,000	25.9	29.8	_	2010	
Alzheimer's Disease Deaths	95% CI	23.8-28.1	29.7 - 30.0	_	2019	
D'abata Davilla	Rate per 100,000	23.5	21.6		2040	
Diabetes Deaths	95% CI	21.4 - 25.7	21.4 - 21.7		2019	
Influenza and Pneumonia Deaths	Rate per 100,000	14.7	12.3		2019	
illituenza and Pheumonia Deaths	95% CI	13.0 - 16.4	12.2 - 12.4		2019	
Suicide Deaths	Rate per 100,000	19.4	13.9		2019	
Juiciue Deatiis	95% CI	17.0 - 21.8	13.8 - 14.1	_	2013	
Nephritis, Nephrotic Syndrome,	Rate per 100,000	11.6	12.7		2019	
and Nephrosis Deaths	95% CI	10.1 - 13.2	12.6 - 12.8		2013	

ME doing better than the U.S.

Rates are age-adjusted to the U.S. 2000 Standard Population.

95% CI: 95% Confidence Interval of the rate.

Maine data: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics.
US Data: Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death
1999-2019 on CDC WONDER Online Database, released in 2020.

Accessed at http://wonder.cdc.gov/ucd-icd10.html on Dec 23, 2020.

ME similar to the U.S.

ME doing worse than the U.S.

Males vs. Females At-a-Glance

Leading Causes of Death, Maine, 2019



Indicator	Unit	Males	Females	Maine Total	Bar Chart	Year
All Dooths	Rate per 100,000	903.7	637.9	760.0		2019
All Deaths	95% CI	883.6 - 923.8	622.9 - 652.9	747.8- 772.3		2019
Canada Dantha	Rate per 100,000	195.6	139.9	164.2		2019
Cancer Deaths	95% CI	186.4 - 204.8	132.7 - 147.1	158.5 - 169.8		2019
Haart Diagram Dagtha	Rate per 100,000	186.9	106.8	142.5		2019
Heart Disease Deaths	95% CI	177.7 - 196.1	100.9 - 112.8	137.2 - 147.7		2019
Haintantianal Iniona Daatha	Rate per 100,000	91.2	42.9	66.7		2010
Unintentional Injury Deaths	95% CI	83.8 - 98.6	38.2 - 47.6	62.3 - 71.0		2019
Chronic Lower Respiratory	Rate per 100,000	56.8	41.9	48.3		2010
Disease Deaths	95% CI	51.8 - 61.8	38.2 - 45.7	45.3 - 51.3		2019
Cerebrovascular Disease	Rate per 100,000	32.1	30.4	31.4		2019
Deaths	95% CI	28.2 - 35.9	27.2- 33.6	29.0 - 33.9		2019
Alabainanda Diagona Dagaba	Rate per 100,000	21.0	29.0	25.9		2010
Alzheimer's Disease Deaths	95% CI	17.9-24.1	26.0-31.9	23.8-28.1		2019
D: 1 . D . II	Rate per 100,000	29.6	18.7	23.5		2010
Diabetes Deaths	95% CI	26.0- 33.3	16.0 - 21.3	21.4 - 25.7		2019
Influenza and Pneumonia	Rate per 100,000	18.2	12	14.7		2010
Deaths	95% CI	15.3 - 21.1	10.0 - 14.0	13.0 - 16.4		2019
Cutatida Dandlar	Rate per 100,000	32.3	7.3	19.4		2010
Suicide Deaths	95% CI	27.9 - 36.8	5.3 - 9.7	17.0 - 21.8		2019
Nephritis, Nephrotic Syndrome	Rate per 100,000	13.2	10.4	11.6		2010
and Nephrosis Deaths	95% CI	10.7- 15.6	8.5- 12.3	10.1 - 13.2		2019

Rates are age-adjusted to the U.S. 2000 Standard Population. 95% CI: 95% Confidence Interval of the rate.

Bar Chart shows male and female rates in order listed on table from left to right; dark blue bar indicates the total Maine

Data Source: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics.

Created December 2020 by Anne Rogers based on work by Mary Caron, Finn Teach, and Sara Huston, Maine Center for Disease Control and Prevention.

Trend At-a-Glance Leading Causes of Death, Maine, 2010-2019



Indicator	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	10-year trend	Progress
All Deaths	Rate per 100,000	749.6	752.8	730.4	754.2	739	783.5	759	771.6	753.9	760.0		•
All Deaths	95% CI	736.4 - 762.8	739.6 - 766.0	717.5 - 743.3	741.2 - 767.2	726.2 - 751.8	770.4 - 796.6	746.1 - 772.0	758.7 - 784.5	741.6 - 766.1	747.8- 772.3	~~~	
Cancer Deaths	Rate per 100,000	187.9	182.2	179.3	175.2	170.3	178.0	168.9	170.8	162	164.2		
Cancer Deaths	95% CI	181.3 - 194.4	175.8 - 188.6	173.1 - 185.6	169.0 - 181.3	164.3 - 176.3	171.9 - 184.1	163 - 174.9	164.9 - 176.7	156.3 - 167.6	158.5 - 169.8	000000000000000000000000000000000000000	•
Heart Disease	Rate per 100,000	151.1	149.5	145.9	152.3	147.9	157.3	150	143.5	146.9	142.5		•
Deaths	95% CI	145.3 - 156.9	143.7 - 155.2	140.2 - 151.6	146.5 - 158.0	142.3 - 153.5	151.6 - 163.0	144 - 155.1	138.1 - 148.9	141.6 - 152.3	137.2 - 147.7	~~~	_
Unintentional	Rate per 100,000	36.5	38.3	40.4	42.6	45.8	53.8	62.4	68	64.7	66.7	A	•
Injury Deaths	95% CI	33.4 - 39.7	35.1 - 41.6	37.0 - 43.7	39.2 - 46.1	42.2 - 49.4	49.9 - 57.7	58.1 - 66.6	63.6 - 72.5	60.4 - 68.9	62.3 - 71.0	CACHARAGA	
Chronic Lower Respiratory	Rate per 100,000	47.4	48.4	45.4	49.1	48.1	53.6	47.4	48.7	45.6	48.3		
Disease Deaths	95% CI	44.1 - 50.7	45.1 - 51.7	42.2 - 48.5	45.8 - 52.3	44.9 - 51.3	50.3 - 56.9	44.3 50.5	45.6 - 52.8	42.6 - 48.5	45.3 - 51.3		
Cerebrovascular	Rate per 100,000	34.5	35.8	34.3	33.4	33.2	32.6	34.4	37.5	33.8	31.4		
Disease Deaths	95% CI	31.7 - 37.3	33.0 - 38.6	31.5 - 37.0	30.7 - 36.0	30.6 - 35.9	30.0 - 35.2	31.7 - 37.1	34.7 - 40.2	31.2 - 36.3	29.0 - 33.9		
Alzheimer's	Rate per 100,000	28.5	26.8	23.5	21.6	22.7	28.4	29.6	30.4	28.4	25.9		
Disease Deaths	95% CI	26.0 - 31.1	24.4 - 29.2	21.2 - 25.7	19.4 - 23.7	20.5 - 24.8	26.0 - 30.8	27.2 - 32.1	27.9 - 32.8	26.0 - 30.7	23.8-28.1	-	
Diabetes Deaths	Rate per 100,000	21.8	20	21.3	20.4	22.4	21.9	23.9	19.7	23.4	23.5		•
Diabetes Beatins	95% CI	19.6 - 24.1	17.9 - 22.1	19.1 - 23.5	18.3 - 22.5	20.2 - 24.6	19.7 - 24.1	21.7 - 26.2	17.7 - 21.7	21.2 - 25.5	21.4 - 25.7	~~~	
Influenza and Pneumonia	Rate per 100,000	13.4	16.8	11.6	14	13.7	17.6	12	15.2	15.2	14.7		
Deaths	95% CI	11.7 - 15.1	14.9 - 18.7	10.0 - 13.2	12.3 - 15.8	12.0 - 15.4	15.7 - 19.6	10.4-13.6	13.4 - 16.9	13.5 - 16.9	13.0 - 16.4	A.A.	_
Suicide Deaths	Rate per 100,000	13.2	16.6	14.5	17.4	15.7	16.0	15.9	18.9	18.4	19.4		_
Suicide Deaths	95% CI	11.2 - 15.1	14.4 - 18.8	12.5 - 16.6	15.1 - 19.7	13.5 - 17.8	13.9 - 18.2	13.7 - 18.1	16.5 - 21.2	16.1 - 20.7	17.0 - 21.8	•	•
Nephritis, Nephrotic	Rate per 100,000	15.8	14.8	14.3	13.6	11.7	11.4	12.4	13	12.5	11.6		
Syndrome and Nephrosis Deaths	95% CI	13.9 - 17.7	12.9 - 16.6	12.5 - 16.1	11.9 - 15.2	10.1 - 13.3	9.8 - 13.0	10.8 - 14	11.4 - 14.5	11.0 - 14.1	10.1 - 13.2	0000	

⁼⁼ Improving

= Plateaued

95% CI: 95% Confidence Interval of the rate or percent.

Rates are age-adjusted to the U.S. 2000 Standard Population. "Progress" column is based on Joinpoint regression analysis of 1999-2019 WONDER data showing statistically significant trend (improving or worsening), or no significant trend (plateaued) for most recent joinpoint segment.

Data Source: United States Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2018 on CDC WONDER Online Database, released December 2018. Data are from the Multiple Cause of Death Files, 1999-2018 as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10.html 2018 data source: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics.

Created January 2021 by Carolyn Bancroft, Maine Center for Disease Control and Prevention building on work by Mary Caron, Finn Teach, and Sara Huston. 2

^{♦=} Worsening

[&]quot;Trend" column shows trend line for period shown; dark marker indicates the best rate.

County At-a-Glance

Leading Causes of Death, Maine, 2015-2019 5-year average



motion,	^{Unit}	Androscoggin	4roostoo4	Cumberland	Fanklin	Hancock	Kennebec	thox	Lincoln	Maine Total
All Deaths	Rate per 100,000	858.5	792.7	692.1	803.8	713.1	801.3	749.9	679.1	764.9
All Deaths	95% CI	836.9-880.1	768.5-816.8	680.6-703.7	766.1-841.5	687.4-738.8	782.1-820.5	719.7-780.1	648.1-710.1	759.3-770.4
Cancor Doaths	Rate per 100,000	179.7	163.1	149.9	176.4	158.2	178.5	177.7	152.9	168.3
Cancer Deaths	95% CI	169.7-189.7	152.1-174.1	144.4-155.4	158.7-194.1	146.3-170.2	169.5-187.4	163.0-192.4	139.0-166.8	165.7-170.9
Heart Disease Deaths	Rate per 100,000	168.8	155.0	127.5	150.6	136.0	154.2	161.7	139.5	147.6
Heart Disease Deaths	95% CI	159.2-178.4	144.6-165.3	122.5-132.4	134.4-166.8	125.0-147.0	145.7-162.6	148.4-175.1	126.1-152.9	145.1-150.0
Unintentional Injury	Rate per 100,000	61.8	49.5	56.9	60.1	60.6	69.3	60.7	58.0	62.9
Deaths	95% CI	55.1-68.4	42.0-57.0	53.1-60.7	48.4-73.8	51.3-70.0	62.6-76.0	50.0-71.4	46.8-71.2	61.0-64.8
Chronic Lower	Rate per 100,000	60.2	58.5	37.7	53.2	42.1	51.6	41.5	32.4	48.6
Respiratory Disease Deaths	95% CI	54.4-66.0	52.3-64.8	35.0-40.4	43.7-62.6	36.0-48.2	46.8-56.4	34.6-48.4	26.3-38.5	47.2-50.0
Cerebrovascular	Rate per 100,000	40.3	33.3	30.4	37.3	33.4	42.8	32.6	38.6	33.9
Disease Deaths	95% CI	35.6-45.1	28.6-38.0	28.0-32.8	29.8-46.2	28.0-38.8	38.4-47.3	26.4-38.8	31.8-45.3	32.7-35.0
Alzheimer's Disease	Rate per 100,000	55.7	24.7	27.8	27.2	25.6	26.2	34.3	22.3	28.5
Deaths	95% CI	50.1-61.2	20.9-28.6	25.5-30.1	20.8-35.0	20.9-30.2	22.8-29.6	28.3-40.3	17.6-27.9	27.4-29.5
Diabetes Deaths	Rate per 100,000	25.2	26.8	17.5	29.2	19.9	27.0	17.4	20.8	22.5
Diabetes Deatifs	95% CI	21.4-29.0	22.4-31.2	15.6-19.4	22.3-37.6	15.9-24.6	23.4-30.6	13.2-22.5	15.7-27.1	21.5-23.5
Influenza and	Rate per 100,000	16.8	17.0	12.7	20.7	14.5	13.4	11.9	11.7	14.9
Pneumonia Deaths	95% CI	13.8-19.9	13.7-20.3	11.1-14.3	14.6-28.4	11.1-18.6	11.0-15.9	8.2-16.6	8.3-16.2	14.1-15.7
Suicide Deaths	Rate per 100,000	18.9	16.1	12.4	19.9	16.6	18.6	20.3	21.8	17.7
Suicide Deatils	95% CI	15.2-22.6	11.9-21.3	10.6-14.2	13.3-28.6	12.1-22.2	15.1-22.2	14.2-28.1	15.0-30.7	16.6-18.7
Nephritis, Nephrotic Syndrome and	Rate per 100,000	9.8	17.3	12.1	17.0	12.6	10.6	8.2	7.8	12.2
Nephrosis Deaths	95% CI	7.6-12.4	14.0-21.1	10.6-13.7	12.0-23.3	9.5-16.4	8.6-13.0	5.5-11.8	4.9-11.8	11.5-12.9

Orange shading indicates county rate is significantly worse than the state rate.

Green shading indicates county rate is significantly better than the state rate.

Rates are age-adjusted to the U.S. 2000 Standard Population.

95% CI: 95% Confidence Interval of the rate.

Data Source: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics. February 2022 Created February 2022 by Sarah Wilcox Maine Center for Disease Control and Prevention.

County At-a-Glance

Leading Causes of Death, Maine, 2015-2019 5-year average



moliesto.	nii.	ououo ouo	Penobsop	Piscataquis	See of the Control of	Somerset	901em	Washington	****	Maine Total
All Deaths	Rate per 100,000	797.5	823.2	863.2	701.2	878.9	756.1	891.7	726.8	764.9
All Deatils	95% CI	770.3-824.7	805.7-840.8	812.9-913.6	669.1-733.3	847.8-910.0	723.6-788.7	853.0-930.4	712.9-740.8	759.3-770.4
Cancer Deaths	Rate per 100,000	176.0	175.2	206.7	157.2	195.8	164.1	192.9	168.4	168.3
Cancer Deaths	95% CI	163.4-188.6	167.0-183.3	183.3-230.0	142.3-172.2	181.3-210.3	149.0-179.2	175.5-210.3	161.8-175.1	165.7-170.9
	Rate per 100,000	141.6	158.5	179.9	148.8	194.0	165.6	184.7	129.8	147.6
Heart Disease Deaths	95% CI	130.2-153.0	150.8-166.1	157.8-201.9	134.3-163.3	179.4-208.5	150.5-180.7	167.6-201.8	124.0-135.6	145.1-150.0
Unintentional Injury	Rate per 100,000	62.1	67.3	72.9	43.1	70.8	57.7	100.0	69.5	62.9
Deaths	95% CI	52.7-71.4	61.5-73.2	54.7-95.1	34.4-53.3	60.4-81.3	47.0-68.4	83.1-116.8	64.4-74.6	61.0-64.8
Chronic Lower Respiratory Disease	Rate per 100,000	65.2	54.9	42.4	38.1	72.4	49.7	53.3	44.7	48.6
Deaths	95% CI	57.6-72.7	50.4-59.5	32.7-54.0	30.9-45.3	63.6-81.1	41.6-57.7	44.1-62.5	41.3-48.0	47.2-50.0
Cerebrovascular	Rate per 100,000	29.8	34.0	37.8	42.8	35.1	35.3	32.6	28.2	33.9
Disease Deaths	95% CI	24.4-35.1	30.5-37.6	28.3-49.5	34.9-50.6	28.9-41.3	28.5-43.1	25.8-40.7	25.4-30.9	32.7-35.0
Alzheimer's Disease	Rate per 100,000	26.5	23.0	27.3	18.8	22.1	25.7	19.0	30.6	28.5
Deaths	95% CI	21.7-31.3	20.1-25.9	19.7-36.9	14.0-24.8	17.4-27.6	20.1-32.4	14.1-25.2	27.8-33.4	27.4-29.5
Diabetes Deaths	Rate per 100,000	33.9	24.0	28.6	15.9	24.7	22.2	20.2	21.0	22.5
Diabetes Deatifs	95% CI	28.4-39.4	21.0-27.1	20.2-39.2	11.3-21.6	19.9-30.3	16.9-28.6	15.0-26.6	18.6-23.3	21.5-23.5
Influenza and	Rate per 100,000	16.6	19.9	14.8	14.9	13.4	15.3	19.8	13.3	14.9
Pneumonia Deaths	95% CI	12.9-21.0	17.1-22.6	8.7-23.3	10.6-20.2	9.7-18.1	11.1-20.7	14.9-25.9	11.4-15.2	14.1-15.7
Suicide Deaths	Rate per 100,000	19.7	17.4	22.7	24.0	25.1	21.3	23.3	18.4	17.7
Juicide Deatils	95% CI	14.7-25.7	14.4-20.4	12.7-37.4	17.0-32.7	19.2-32.2	15.3-28.9	15.9-32.8	15.7-21.1	16.6-18.7
Nephritis, Nephrotic Syndrome and	Rate per 100,000	12.5	15.7	9.9	11.3	9.3	10.5	13.9	11.7	12.2
Nephrosis Deaths	95% CI	9.4-16.2	13.3-18.2	5.4-16.7	7.6-16.2	6.5-13.0	6.9-15.3	9.7-19.3	10.0-13.5	11.5-12.9

Orange shading indicates county rate is significantly worse than the state rate.

Green shading indicates county rate is significantly better than the state rate.

Rates are age-adjusted to the U.S. 2000 Standard Population.

95% CI: 95% Confidence Interval of the rate.

Data Source: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics. February 2022.

Created February 2022 by Sarah Wilcox, Maine Center for Disease Control and Prevention.

Age Groups At-a-Glance

Leading Causes of Death, Maine, 2019



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All Deaths	Rate per 100,000	44.7	62.4	152.3	236.2	410.9	848.5	1,717.5	4,696.2	14,745.6		2019
All Deaths	95% CI	35.5-53.9	49.9-75.0	133.4-171.3	212.0-260.5	380.9-441.0	809.2-887.7	1655.1-1780.0	4548.2-4844.2	14336.2-15154.9		2013
Cancer Deaths	Rate per 100,000	*	*	DNR	29.9	97.9	302.0	575.5	1,151.9	1,813.6		2019
Cancer Deaths	95% CI	*	*	2.8-10.7	21.2-38.5	83.2-112.5	278.6-325.5	539.3-611.6	1078.6-1225.2	1670.0-1957.2		2019
Heart Disease Deaths	Rate per 100,000	*	*	DNR	23.4	61.8	138.0	312.3	904.3	3,588.8		2019
Heart Disease Deaths	95% CI	*	*	3.6-12.3	15.7-31.0	50.2-73.5	122.2-153.9	285.6-338.9	839.3-969.2	3386.8-3790.7		2019
	Rate per 100,000	DNR	28.3	81.1	87.0	67.5	54.8	66.2	168.7	630.2		
Unintentional Injury Deaths	95% CI	4.8-12.9	19.8-36.7	67.2-94.9	72.2-101.7	55.3-79.7	44.9-64.8	54.0-78.5	140.7-196.8	545.5-714.8		2019
Chronic Lower Respiratory	Rate per 100,000	*	*	*	*	14.9	60.5	151.4	395.7	816.6		
Disease Deaths	95% CI	*	*	*	*	9.2-20.6	50.0-71.0	132.9-170.0	352.7-438.7	720.2-912.9		2019
Cerebrovascular Disease	Rate per 100,000	*	*	*	DNR	DNR	20.8	55.0	229.4	860.9		
Deaths	95% CI	*	*	*	3.4-12.2	4.4-11.5	14.7-26.9	43.8-66.2	196.7-262.1	762.0-959.9		2019
Al. 1 D. D. 1	Rate per 100,000	*	*	*	*	*	DNR	23.1	178.4	1,032.5		
Alzheimer's Disease Deaths	95% CI	*	*	*	*	*	1.8-7.7	15.8-30.3	149.6-207.3	924.2-1140.9		2019
B: 1 . B	Rate per 100,000	*	*	*	*	21.2	38.3	75.1	166.3	245.6		
Diabetes Deaths	95% CI	*	*	*	*	14.4-28.0	29.9-46.6	62.0-88.2	138.4-194.1	192.7-298.4		2019
Influenza and Pneumonia	Rate per 100,000	*	*	*	*	*	11.8	33.7	97.1	363.9		
Deaths	95% CI	*	*	*	*	*	7.2-16.4	25.0-42.5	75.8-118.4	300.0-428.2		2019
	Rate per 100,000	*	17.7	25.2	26.0	33.8	19.9	21.9	24.3	*		
Suicide Deaths	95% CI	*	11.1-24.4	17.5-32.9	17.9-34.0	25.2-42.4	13.8-25.9	14.8-28.9	13.6-34.9	*		2019
Nephritis, Nephrotic	Rate per 100,000	*	*	*	*	*	DNR	33.1	91.0	260.4		
Syndrome and Nephrosis Deaths	95% CI	*	*	*	*	*	2.1-8.3	24.4-41.8	70.4-111.6	206.0-314.8		2019

Rates are crude rates, deaths per 100,000 population.

DNR: Data not reliable; Using the WONDER system definition, death rates are noted as unreliable when the numerator is 20 or less. * Counts less than 10 are suppressed

95% CI: 95% Confidence Interval of the rate. Bar Chart shows age group rates in order listed on table from left to right.

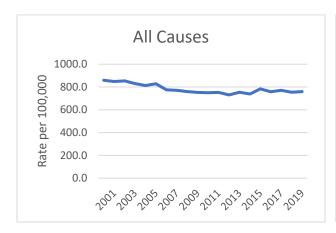
Data Source: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics. March 2021.

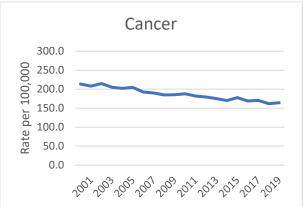
Created March and November 2021 by Anne Rogers and Sarah Wilcox based on work by Mary Caron, Finn Teach, and Sara Huston, Maine Center for Disease Control and Prevention.

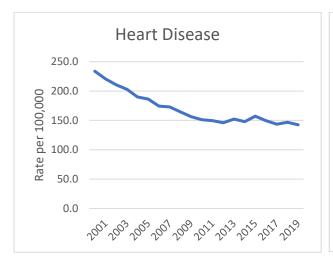
Section 3: Cause-specific Figures

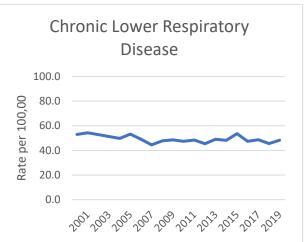
Death Rate Trends, Maine, 2000-2019

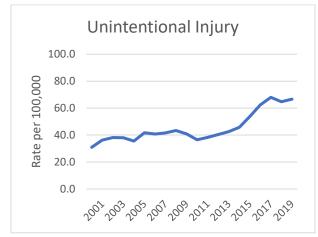
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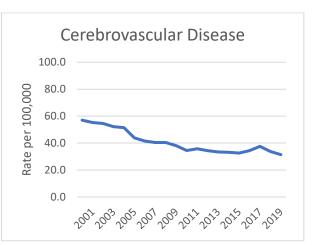








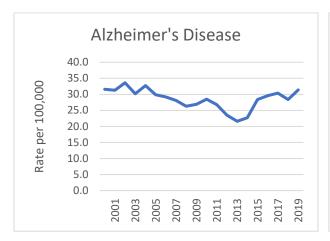


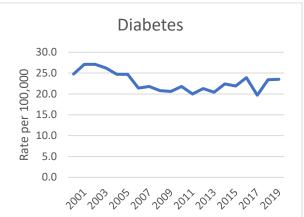


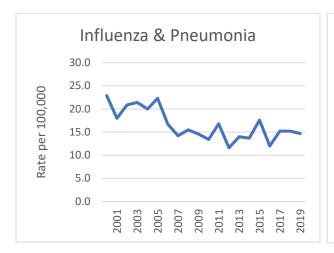
Data Sources: CDC WONDER (1999-2017 data). 2018-2019 data: Maine Center for Disease Control and Prevention. Data, Research and Vital Statistics. March 2021.

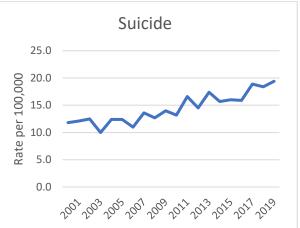
Death Rate Trends, Maine, 2000-2019

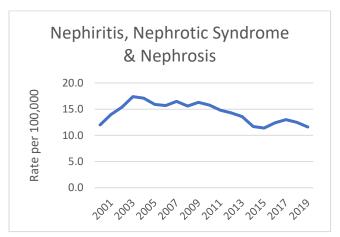
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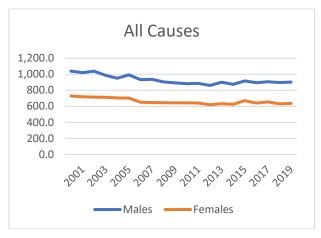


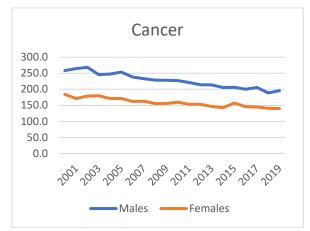


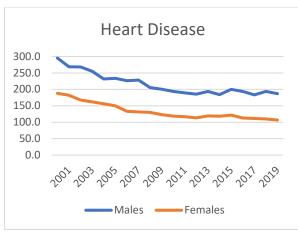
Data Sources: CDC WONDER (1999-2017 data). 2018-2019 data: Maine Center for Disease Control and Prevention. Data, Research and Vital Statistics. March 2021.

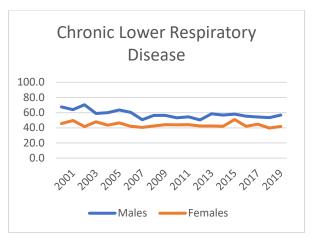
Death Rate Trends by Sex, Maine, 2000-2019

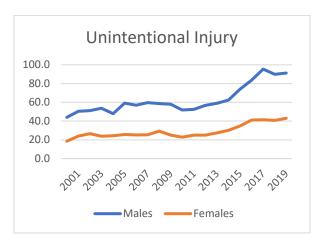
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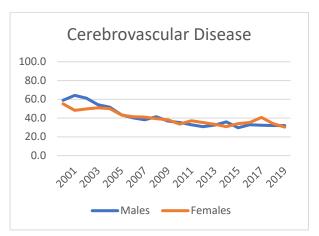








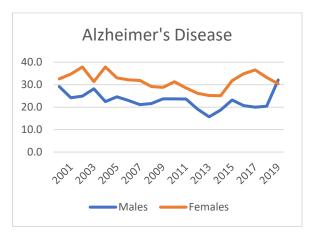


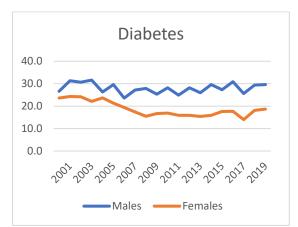


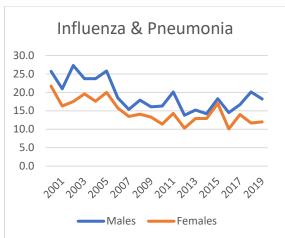
Data Sources: CDC WONDER (1999-2017 data). 2018-2019 data: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics. March 2021.

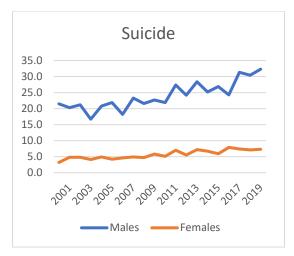
Death Rate Trends by Sex, Maine, 2000-2019

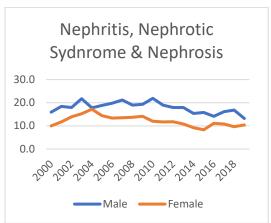
Please note the different scales in these figures.











Data Sources: CDC WONDER (1999-2017 data). 2018-2019 data: Maine Center for Disease Control and Prevention. Data, Research, and Vital Statistics. March 2021.

Technical Notes

Cause of Death and ICD 10 codes

Causes (as presented	ICD-10	Technical Name	Notes
in this report)	Codes		
Cancer	C00-C97	Malignant neoplasms	
Heart Disease	100-109, 111,	Diseases of the heart	
	113, 120-151		
Chronic Lower	J40-J47	Chronic Lower	Includes chronic obstructive
Respiratory Disease		Respiratory Disease	pulmonary disease and asthma
Unintentional Injury	V01-X59,	Unintentional Injury	Includes (but not limited to)
	Y85-86		unintentional drug overdose,
			motor vehicle crash deaths, and
			falls
Cerebrovascular	160-169	Cerebrovascular disease	Also known as stroke.
Disease			
Alzheimer's Disease	G30, G309	Alzheimer's Disease	
Diabetes	E10-E14	Diabetes mellitus	Includes both Type 1 and Type 2
			diabetes deaths.
Influenza and	J09-J18	Influenza and	
Pneumonia		Pneumonia	
Suicide	X60-X84,	Intentional self-harm	ICD codes related to terrorism are
	Y87.0	(suicide)	preceded with '*'
Nephritis, Nephrotic	N00-N07,	Nephritis, Nephrotic	Specific disease of the kidneys
Syndrome and	N17-N19,	Syndrome and Nephrosis	
Nephrosis	N25-N27		
Chronic Liver Disease	K70, K73-	Chronic Liver Disease	
and Cirrhosis	K74	and Cirrhosis	
Parkinson's Disease	G20-G21	Parkinson's Disease	
Septicemia	A40-A41	Septicemia	A serious infection of the
			bloodstream (sometimes called
			blood poisoning or bacteremia)
			causing sepsis, a life-threatening
			immune response.
In Situ Neoplasms,	D00-D48	In Situ Neoplasms,	Includes (but not limited to) brain
Benign Neoplasms		Benign Neoplasms and	and central nervous system
and Neoplasms of		Neoplasms of Uncertain	tumors and myelodysplastic
Uncertain or		or Unknown Behavior	syndromes.
Unknown Behavior			
Pneumonitis due to	J69	Pneumonitis due to	Pneumonitis (inflammation of
Solids and Liquids		Solids and Liquids	lungs) due to inhalation of solids
			or liquids.

Data Sources:

- Mortality data for the US and Maine for years prior to 2018 are from the Centers for Disease Control, National Center for Health Statistics, Underlying Cause of Death. 1999-2019 on CDC WONDER Online Database, released in 2020. Data are from the Multiple Cause of Death Files, 1999-2019, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10.html in 2020.
- Maine mortality data for 2018 and 2019 are from the Maine CDC, Data, Research, and Vital Statistics.
- Counts and rates for Maine may differ slightly from WONDER due to revisions to death records after final year-end counts were submitted to NCHS/WONDER.

Trend Analysis:

• The trend analysis referenced in the Key Summary section as well as in the At-a-Glance table is based on Joinpoint regression analysis. Joinpoint is a software developed by CDC that allows one to test trends over a time period, if a trend has changed and the significance of a given change. If a trend has changed, joinpoint allows multiple segments to be fitted to a graph and to test the significance of a given segment (increasing, decreasing or not significantly different from 0). Joinpoint also calculates the Average Annual Percent Change (AAPC) which allows assessment of how much trends change over time. If Joinpoint identified a significant increase or decrease, the progress was noted with red diamond or green square, respectively. If the analysis noted a that the rate had plateaued (not changed from zero) in the latest segment, then the progress was noted as a yellow circle.

References

United States Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2019 on CDC WONDER Online Database, released in 2020. Data are from the Multiple Cause of Death Files, 1999- 2019 as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10.html

Data, Research, and Vital Statistics, Maine Center for Disease Control and Prevention, Department of Health and Human Services.

Interactive data resources

For additional information on key risk factors, mortality, and leading causes of death in Maine, please visit the following interactive dashboards:

- Maine Shared Community Health Needs Assessment Interactive Dashboard: https://www.maine.gov/dhhs/mecdc/phdata/MaineCHNA/maine-interactive-health-data.shtml
- Maine Environmental Health Tracking Portal: https://data.mainepublichealth.gov/tracking/home
- Data, Research, and Vital Statistics Dashboards:
 https://www.maine.gov/dhhs/mecdc/public-health-systems/data-research/
- CDC WONDER: https://wonder.cdc.gov/



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