

Leading Causes of Death by Sex and Race/Ethnicity State of Hawai'i, 2019-2023

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Background and Methods

This report displays the leading causes of death for Hawai'i residents. Death record information is from the Hawai'i Department of Health, Office of Health Status Monitoring and was compiled by the Hawai'i Health Data Warehouse at the University of Hawai'i, Department of Public Health Sciences.

Data for this report are based on information from death certificates. Causes of death are classified by the *International Classification of Diseases, 10th Revision* (ICD-10), and underlying cause of death is assigned by the National Center for Health Statistics (NCHS), National Vital Statistics System (NVSS) at the Centers for Disease Control and Prevention (CDC) according to international standards. The current report follows the methodology used by NVSS for their annual reports, which can be found [here](#). Leading causes of death have been aggregated based on the underlying cause of death. Causes of death are grouped into 114 selected causes of death according to NVSS standards for decedents. These are further grouped into 51 rankable causes of death. Death counts in these 51 groupings were used to generate the leading causes of death in this report. Records that are missing a cause of death were excluded from the analysis. To protect confidentiality, cells with counts between 1 and 9 have been suppressed. When this happens, fewer than 10 leading causes of death will be displayed in the pie chart or matrix.

This report includes leading causes of death among Hawai'i residents ages 1 year and older for the state from 2019-2023. A 5-year aggregate was used to ensure stability and minimize cell suppression. Residence was determined based on the census tract of the decedent. Detailed information on how residence is mapped to counties can be found [here](#). Race/ethnicity is reported according to the Hawai'i State Department of Health reporting algorithm which includes Hawai'i-specific race/ethnicities. More details on how decedent race/ethnicity was determined can be found [here](#).

Data in this report are displayed in matrix format. Each matrix contains the 10 leading causes of death for males and females for the state overall and by race/ethnicity. The number of deaths attributed to each cause is displayed under the label in the colored cells. In the sample matrix on the right, cancer was the leading cause of death for all females and American Indian/Alaska Native females accounting for 5,550 deaths and 35 deaths, respectively. Suppressed cells are indicated in dark grey. When two or more causes of death have the same counts, they are tied for rank, the cells are merged, and shown in light grey with the causes listed alphabetically within the cells.

Rank	Hawai'i State		American Indian/Alaska Native	
	Female	Male	Female	Male
1	Cancer 5,550	Heart disease 7,403	Cancer 35	Heart disease 40
2	Heart disease 5,237	Cancer 6,574	Heart disease 31	Cancer 35
3	Stroke 2,283	Unintentional injury 2,097	Chronic lower respiratory disease 11	Unintentional injury 20
4	Alzheimer disease 1,786	Stroke 1,773		

Color Key

The color scheme for causes of death is consistent across the Leading Cause of Death Report series and is as follows:

Pie Chart and Matrix Key			
Color	Cause of death (based on ICD-10)	Short title	ICD-10 codes
	Alzheimer's Disease	Alzheimer disease	G30
	Malignant Neoplasms	Cancer	C00-C97
	Chronic Lower Respiratory Diseases	Chronic lower respiratory disease	J40-J47
	COVID-19	COVID-19	U071
	Diabetes Mellitus	Diabetes	E10-E14
	Diseases of the Heart	Heart disease	I00-I09,I11,I13,I20-I51
	Assault (Homicide)	Homicide	*U01-*U02,X85-Y09,Y87.1
	Essential Hypertension and Hypertensive Renal Disease	Hypertension	I10,I12,I15
	Influenza and Pneumonia	Influenza and pneumonia	J09-J18
	Nephritis, Nephrotic Syndrome, and Nephrosis	Kidney disease	N00-N07,N17-N19,N25-N27
	Chronic Liver Disease and Cirrhosis	Liver disease	K70,K73-K74
	Parkinson's Disease	Parkinson disease	G20-G21
	Pneumonitis due to solids and liquids	Pneumonitis	J69
	Pregnancy, Childbirth and the Puerperium	Pregnancy, childbirth and puerperium	O00-099
	Septicemia	Septicemia	A40-A41
	Cerebrovascular Diseases	Stroke	I60-I69
	Intentional Self-Harm (Suicide)	Suicide	*U03,X60-X84,Y87.0
	Accidents (Unintentional Injuries)	Unintentional injury	V01-X59,Y85-Y86
	All Other Causes (sum of the other causes)	All other causes	Varies -- sum of all other deaths
	Used to denote ranks that are tied. <i>Causes of death are listed alphabetically in the event of a tie.</i>		

Figure 1. Leading Causes of Death in the State of Hawai‘i by Sex and Race/Ethnicity, 2019-2023

Part 1: Hawai‘i State, American Indian/Alaska Native, Black, and Chinese

Rank	Hawai‘i State		American Indian/Alaska Native		Black		Chinese	
	Female	Male	Female	Male	Female	Male	Female	Male
1	Cancer 3,535	Heart disease 4,808	Heart disease 39	Heart disease 43	Cancer 41	Heart disease 114	Cancer 380	Heart disease 410
2	Heart disease 3,249	Cancer 4,020	Cancer 37	Cancer 34	Heart disease 29	Cancer 87	Heart disease 323	Cancer 331
3	Stroke 1,515	Unintentional injury 1,425	Stroke 10	Unintentional injury 18	Stroke 18	Unintentional injury 53	Stroke 166	Stroke 115
4	Alzheimer disease 1,184	Stroke 1,184		Stroke 11	Unintentional injury 12	Stroke 13	Alzheimer disease 132	Unintentional injury 77
5	Unintentional injury 602	COVID-19 728				Diabetes 11 Suicide 11	Influenza and pneumonia 55	Alzheimer disease 65
6	COVID-19 512	Chronic lower respiratory disease 631				Septicemia 10	Unintentional injury 48	Kidney disease 52
7	Diabetes 475	Diabetes 548					COVID-19 38 Kidney disease 38	Influenza and pneumonia 51
8	Chronic lower respiratory disease 459	Suicide 488					Diabetes 37 Parkinson disease 37	Diabetes 47
9	Kidney disease 380	Alzheimer disease 478					Hypertension 26	COVID-19 45
10	Influenza and pneumonia 338	Kidney disease 464					Chronic lower respiratory disease 20	Chronic lower respiratory disease 38

Figure 1. Leading Causes of Death in the State of Hawai‘i by Sex and Race/Ethnicity, 2019-2023

Part 2: Hawai‘i State, Filipino, Japanese, and Other Asian

Rank	Hawai‘i State		Filipino		Japanese		Other Asian	
	Female	Male	Female	Male	Female	Male	Female	Male
1	Cancer 3,535	Heart disease 4,808	Cancer 899	Heart disease 1,096	Heart disease 1,514	Heart disease 1,671	Cancer 220	Cancer 182
2	Heart disease 3,249	Cancer 4,020	Heart disease 792	Cancer 970	Cancer 1,385	Cancer 1,491	Heart disease 149	Heart disease 179
3	Stroke 1,515	Unintentional injury 1,425	Stroke 415	Stroke 332	Alzheimer disease 916	Stroke 506	Stroke 86	Stroke 62
4	Alzheimer disease 1,184	Stroke 1,184	Alzheimer disease 189	Unintentional injury 302	Stroke 810	Unintentional injury 311	Alzheimer disease 55	Unintentional injury 57
5	Unintentional injury 602	COVID-19 728	COVID-19 150	COVID-19 223	Unintentional injury 229	Alzheimer disease 289	Unintentional injury 44	COVID-19 32
6	COVID-19 512	Chronic lower respiratory disease 631	Diabetes 148	Chronic lower respiratory disease 169	Influenza and pneumonia 216	Chronic lower respiratory disease 225	Influenza and pneumonia 25	Chronic lower respiratory disease 26
7	Diabetes 475	Diabetes 548	Kidney disease 141	Diabetes 150	Diabetes 182	Influenza and pneumonia 211	COVID-19 18 Diabetes 18 Suicide 18	Suicide 25
8	Chronic lower respiratory disease 459	Suicide 488	Unintentional injury 127	Kidney disease 137	Chronic lower respiratory disease 159	Diabetes 183	Hypertension 16 Kidney disease 16	Alzheimer disease 24
9	Kidney disease 380	Alzheimer disease 478	Influenza and pneumonia 102	Influenza and pneumonia 117	Hypertension 145	Kidney disease 172	Chronic lower respiratory disease 11	Diabetes 23
10	Influenza and pneumonia 338	Kidney disease 464	Chronic lower respiratory disease 85	Alzheimer disease 90	Parkinson disease 140	Parkinson disease 160	Parkinson disease 10	Kidney disease 22

Figure 1. Leading Causes of Death in the State of Hawai‘i by Sex and Race/Ethnicity, 2019-2023

Part 3: Hawai‘i State, Native Hawaiian, Other Pacific Islander, White, and Other

Rank	Hawai‘i State		Native Hawaiian		Other Pacific Islander		White		Other	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	Cancer 3,535	Heart disease 4,808	Cancer 1,102	Heart disease 1,637	Cancer 262	Heart disease 335	Cancer 1,367	Heart disease 2,047	Heart disease 68	Heart disease 111
2	Heart disease 3,249	Cancer 4,020	Heart disease 1,016	Cancer 1,174	Heart disease 186	Cancer 278	Heart disease 1,135	Cancer 1,942	Cancer 66	Cancer 105
3	Stroke 1,515	Unintentional injury 1,425	Stroke 342	Unintentional injury 622	COVID-19 90	Unintentional injury 131	Stroke 447	Unintentional injury 628	Stroke 34	Unintentional injury 54
4	Alzheimer disease 1,184	Stroke 1,184	Unintentional injury 226	Stroke 294	Stroke 81	COVID-19 115	Alzheimer disease 374	Stroke 409	Alzheimer disease 25	Stroke 33
5	Unintentional injury 602	COVID-19 728	Diabetes 203	Suicide 224	Diabetes 69	Stroke 91	Chronic lower respiratory disease 274	Chronic lower respiratory disease 341	Unintentional injury 20	Liver disease 20
6	COVID-19 512	Chronic lower respiratory disease 631	Alzheimer disease 190	Diabetes 213	Kidney disease 49	Diabetes 81	Unintentional injury 225	Suicide 267	COVID-19 12	COVID-19 17
7	Diabetes 475	Diabetes 548	Chronic lower respiratory disease 181	COVID-19 177	Unintentional injury 38	Suicide 60	Liver disease 98	Alzheimer disease 201	Diabetes 11	Diabetes 14
8	Chronic lower respiratory disease 459	Suicide 488	COVID-19 121	Chronic lower respiratory disease 172	Influenza and pneumonia 33	Kidney disease 44	Influenza and pneumonia 93	Liver disease 200	Kidney disease 10	Chronic lower respiratory disease 12
9	Kidney disease 380	Alzheimer disease 478	Kidney disease 112	Kidney disease 135	Septicemia 20	Septicemia 35	Diabetes 91	Parkinson disease 186		Alzheimer disease 10
10	Influenza and pneumonia 338	Kidney disease 464	Influenza and pneumonia 81	Influenza and pneumonia 88	Alzheimer disease 16	Influenza and pneumonia 32	Suicide 87	Influenza and pneumonia 181		

*Dark gray cells represent data that has been suppressed due to size restrictions.

References

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