

Disease Control & Prevention Analysis

Team GroupOne

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About the Project





Centers for Disease Control and Prevention

CDC 24/7: Saving Lives, Protecting People™

Filter Data By

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Table / Figure:

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Subjects:

Alcohol use ▼

Population Subgroups:

All population subgroups ▼

Challenges & Preprocessing

Summary Health Statistics: National Health Interview Survey, 2018

Table A-1a, page 1 of 9

Table A-1a. Age-adjusted percentages (with standard errors) of selected circulatory diseases among adults aged 18 and over, by selected characteristics: United States, 2018

Selected characteristic	All types of heart disease ¹	Coronary heart disease ¹	Hypertension ¹	Stroke ¹
Total	11.2 (0.22)	5.6 (0.14)	24.8 (0.30)	2.8 (0.11)
Sex				
Male	12.6 (0.31)	7.4 (0.23)	26.1 (0.42)	3.1 (0.17)
Female	10.1 (0.30)	4.1 (0.17)	23.5 (0.39)	2.6 (0.14)
Age (years)				
18–44	4.8 (0.26)	1.0 (0.13)	8.8 (0.34)	0.6 (0.09)
45–64	11.8 (0.41)	6.0 (0.30)	34.4 (0.66)	3.1 (0.23)
65–74	23.6 (0.79)	15.5 (0.65)	54.4 (0.87)	6.9 (0.45)
75 and over	37.3 (1.09)	23.9 (0.93)	61.1 (1.05)	11.8 (0.69)
Race				
One race ²	11.1 (0.22)	5.6 (0.14)	24.8 (0.30)	2.8 (0.11)
White	11.5 (0.24)	5.7 (0.15)	23.9 (0.34)	2.6 (0.12)
Black or African American	10.0 (0.59)	5.4 (0.39)	32.2 (0.91)	3.9 (0.35)
American Indian or Alaska Native	14.6 (2.47)	8.6 (1.67)	27.2 (2.19)	3.0 (0.95)
Asian	7.7 (0.77)	4.4 (0.67)	21.9 (1.11)	2.7 (0.51)
Native Hawaiian or Other Pacific Islander	*	*	24.0 (5.37)	*
Two or more races ³	17.7 (1.76)	6.8 (1.21)	26.2 (1.90)	4.0 (0.88)
Black or African American, white	18.1 (2.89)	12.0 (1.95)	23.5 (3.34)	0.6 (0.60)
American Indian or Alaska Native, white	17.7 (2.59)	7.9 (1.87)	31.7 (3.26)	7.3 (2.20)
Hispanic or Latino origin ⁴ and race				
Hispanic or Latino	8.2 (0.53)	5.1 (0.40)	23.7 (0.88)	2.5 (0.31)
Mexican or Mexican American	7.9 (0.69)	5.2 (0.55)	23.9 (1.18)	2.5 (0.39)
Not Hispanic or Latino	11.7 (0.24)	5.7 (0.15)	25.1 (0.31)	2.9 (0.12)
White, single race	12.2 (0.28)	5.8 (0.17)	24.0 (0.36)	2.7 (0.13)
Black or African American, single race	10.0 (0.60)	5.4 (0.40)	32.8 (0.95)	4.0 (0.37)

Table 19. Leading causes of death and numbers of deaths, by sex, race, and Hispanic origin: United States, 1980 and 2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#019>.

[Data are based on death certificates]

Sex, race, Hispanic origin, and rank order	1980		2016	
	Cause of death	Deaths	Cause of death	Deaths
All persons				
Rank	All causes	1,989,841	All causes	2,744,248
1	Diseases of heart	761,085	Diseases of heart	635,260
2	Malignant neoplasms	416,509	Malignant neoplasms	598,038
3	Cerebrovascular diseases	170,225	Unintentional injuries	161,374
4	Unintentional injuries	105,718	Chronic lower respiratory diseases ^{1,2}	154,596
5	Chronic obstructive pulmonary diseases ¹	56,050	Cerebrovascular diseases	142,142
6	Pneumonia and influenza ²	54,619	Alzheimer's disease	116,103
7	Diabetes mellitus	34,851	Diabetes mellitus ³	80,058
8	Chronic liver disease and cirrhosis	30,583	Influenza and pneumonia ²	51,537
9	Atherosclerosis	29,449	Nephritis, nephrotic syndrome and nephrosis ³	50,046
10	Suicide	26,869	Suicide	44,965

Table 32. Occupational fatal injuries, by industry, sex, age, race, and Hispanic origin: United States, selected years 2003–2016

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2017.htm#032>.

[Data are compiled from various federal, state, and local administrative sources]

Characteristic	2003	2005	2010	2012	2013	2014	2015	2016
Number of deaths								
Total workforce	5,575	5,734	4,690	4,628	4,585	4,821	4,836	5,190
Sex								
Male	5,129	5,328	4,322	4,277	4,265	4,454	4,492	4,803
Female	446	406	368	351	319	367	344	387
Unspecified	0	0	0	0	1	0	0	0
Age								
Under 16 years	25	23	16	19	5	8	12	13
16–17 years	28	31	18	10	9	14	12	17
18–19 years	84	111	56	59	57	42	50	43
20–24 years	462	403	245	287	279	292	329	310
25–34 years	1,018	1,017	785	736	777	753	768	834
35–44 years	1,329	1,243	868	829	853	860	864	879
45–54 years	1,301	1,389	1,169	1,161	1,115	1,161	1,130	1,145
55–64 years	802	933	948	936	933	1,007	1,031	1,160
65 years and over	523	578	582	588	557	684	650	688
Unspecified	3	6	3	3	0	0	0	1
Race and Hispanic origin								
Hispanic or Latino	794	923	707	748	817	804	903	879
White	4,781	4,811	3,983	3,880	3,768	4,017	3,933	4,311
Not Hispanic or Latino	3,988	3,977	3,363	3,177	3,125	3,332	3,241	3,481
Black or African American	543	584	412	486	439	475	495	587
American Indian or Alaska Native	42	50	32	37	35	34	36	38
Asian	147	154	143	147	125	137	114	160
Native Hawaiian or Other Pacific Islander	11	9	6	7	7	5	9	7
Multiple races	3	*	8	5	12	20	12	15
Other races or not reported	47	35	19	21	25	14	26	23

Division of Project

8 Interactive Visualizations divided into 6 Web Pages

Geochart	Area chart
Grouped Bar Chart	Circle Packing
Bipartite Graph	Heatmap
Pie Chart & Sankey Diagram	Stacked Bar Chart

Disease-Category Correspondence



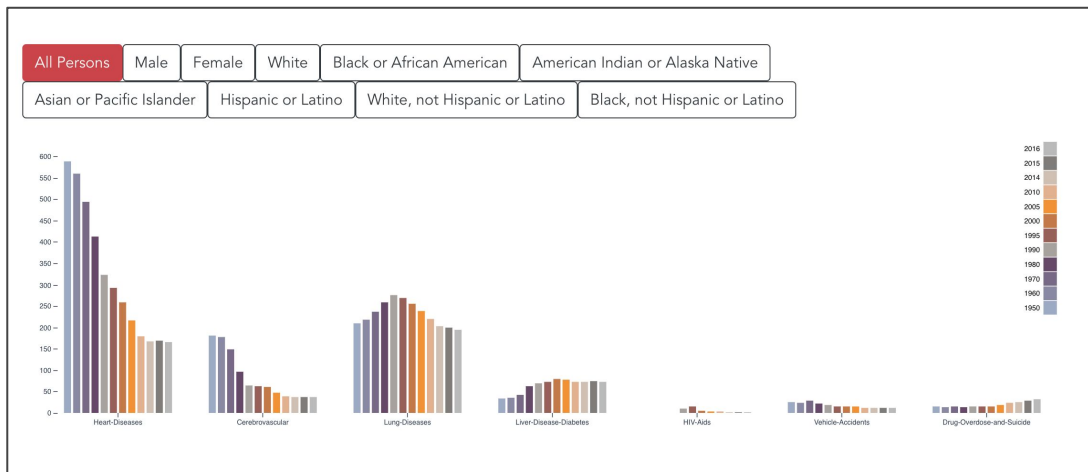
Bootstrap



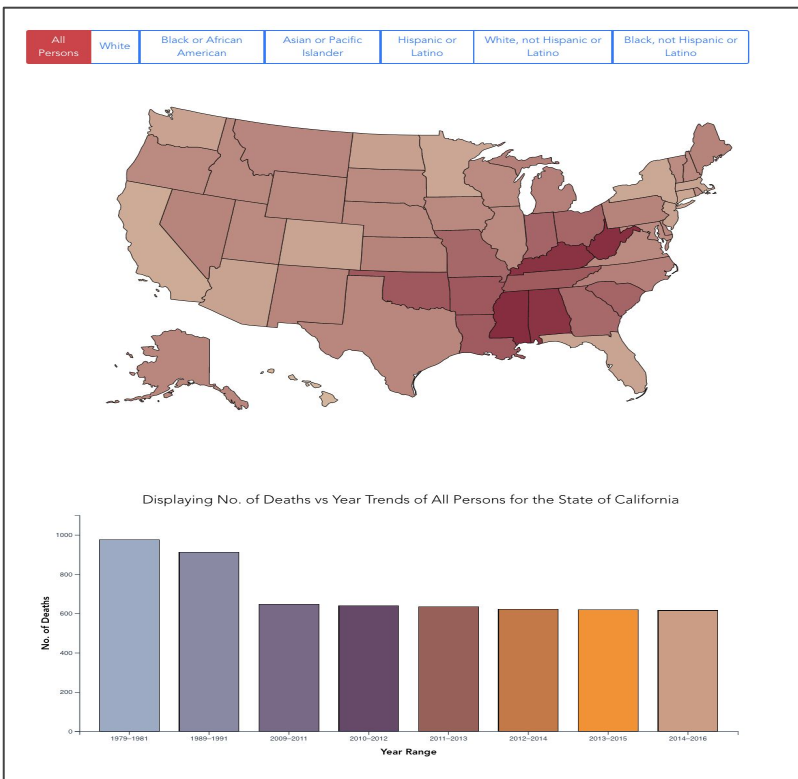
Responsive



D3 Charts



Geographic Mortality Exploration

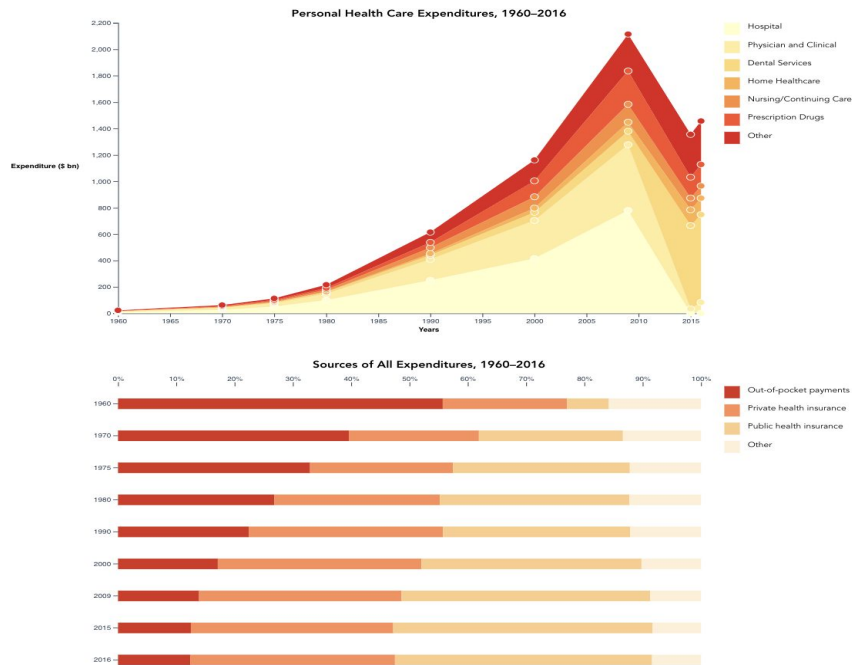


- ✓ D3 Maps
- ✓ Interactive
- ✓ Transitions
- ✓ Bootstrap
- ✓ Responsive

Healthcare Expenditure Analysis

Public healthcare expenditure

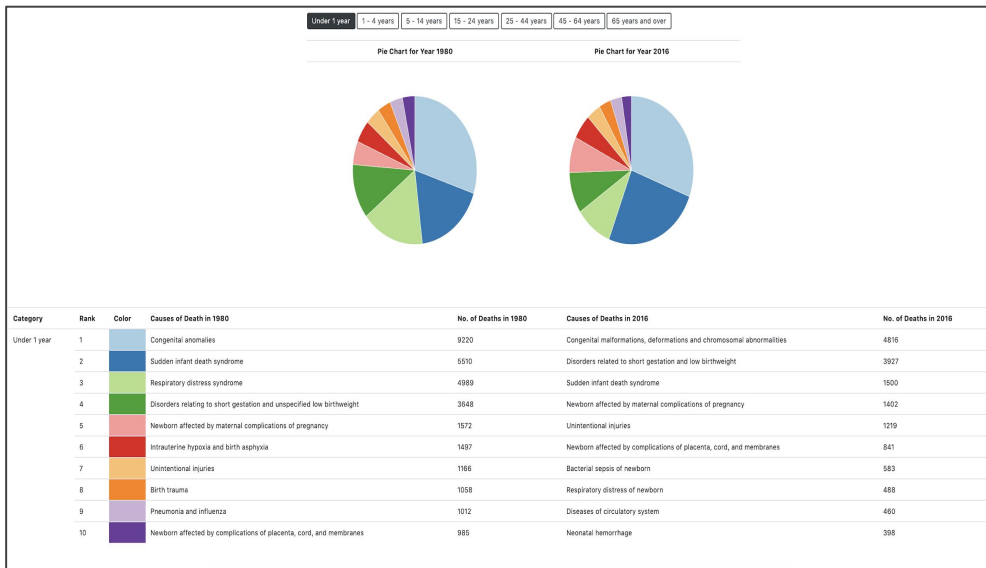
Click on the area to see sources of spending on the chart below.



- ✓ D3 Layouts
- ✓ Interactive
- ✓ Transitions
- ✓ Bootstrap
- ✓ Responsive

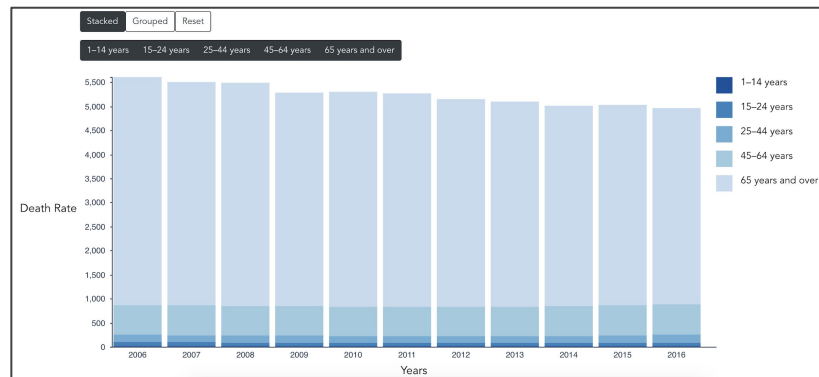
Age Group Mortality Exploration

✓ D3 Charts
✓ Interactive



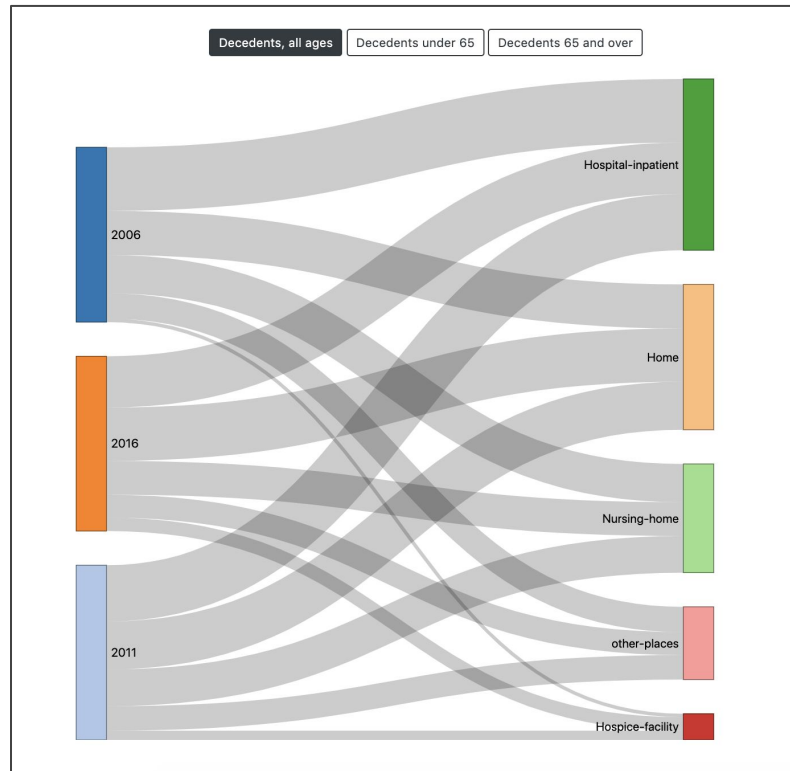
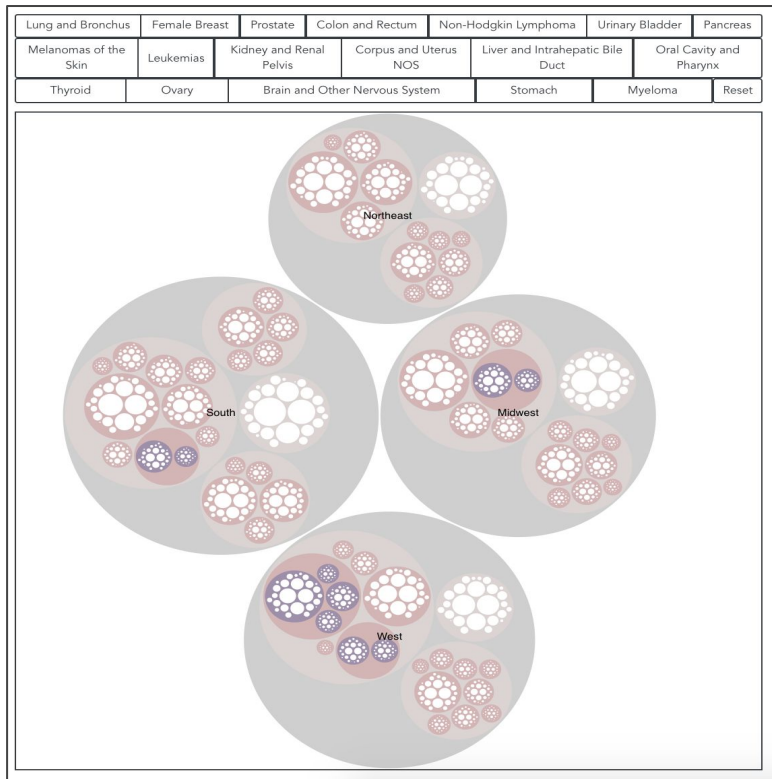
Overall Year Age Group

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1-14 years	19.1	19.2	18.3	17.7	16.8	16.9	16.5	16.5	15.9	16.4	16.7
15-24 years	81.4	78.8	74.2	69.8	67.7	67.7	66.4	64.8	65.5	69.5	74.9
25-44 years	152.5	148.1	144	142.5	136.7	137.9	137.3	138.1	140.6	147.1	159
45-64 years	420.1	612.2	614	611.5	606.2	611.9	614.4	620.9	628.1	633.2	640.9
65 years and over	4734.2	4641.2	4641.4	4444.9	4445.8	4425.3	4306.6	4290.6	4156.9	4171.4	4068.4



Area-wise Clustering and Analysis

- ✓ Research
- ✓ D3 Layouts



Technology Stack



Bootstrap

