

PART V. SUPPORTING APPENDICES

Appendix A. Planning, Implementation and Evaluation Guide

For reference purposes only.

Planning →

Needs

- Eliminating health disparities
- Target populations

Inputs

- Existing infrastructure
- Available funding
- Collaboration across sectors
- Public and private resources
- Additional resources

→ **Implementation** →

Objectives: Identify specific program activities related to Goals 1-4 and respective Components.

Activities: Develop Activities with levels of performance for each measure, time frames for achieving the levels of performance, and sources of data for measuring progress.

Deliverables: Identify the work products that will produce the results.

Evaluation →

Short-Term Results: Include knowledge, skills, attitude, motivation, awareness, services needed for further progress.

Intermediate Results: Include behaviors, practices, policies, standards, and procedures changed.

Long-Term Results: Improved social, economic, and environmental conditions for people with Alzheimer's disease and related dementias, and their caregivers through program sustainability; thereby, decreasing health disparities.

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Appendix B. Designation of Rural⁴ and Coastal⁵ Local Health Jurisdictions

Local Health Jurisdiction	Rural	Metropolitan	Coastal
Alameda County		<input checked="" type="checkbox"/>	
Alpine County	<input checked="" type="checkbox"/>		
Amador County	<input checked="" type="checkbox"/>		
Butte County		<input checked="" type="checkbox"/>	
Calaveras County	<input checked="" type="checkbox"/>		
City of Berkeley		<input checked="" type="checkbox"/>	
City of Long Beach		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
City of Pasadena		<input checked="" type="checkbox"/>	
Colusa County	<input checked="" type="checkbox"/>		
Contra Costa County		<input checked="" type="checkbox"/>	
Del Norte County	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
El Dorado County		<input checked="" type="checkbox"/>	
Fresno County		<input checked="" type="checkbox"/>	
Glenn County	<input checked="" type="checkbox"/>		
Humboldt County	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Imperial County		<input checked="" type="checkbox"/>	
Inyo County	<input checked="" type="checkbox"/>		
Kern County		<input checked="" type="checkbox"/>	
Kings County		<input checked="" type="checkbox"/>	
Lake County	<input checked="" type="checkbox"/>		
Lassen County	<input checked="" type="checkbox"/>		
Los Angeles County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Madera County		<input checked="" type="checkbox"/>	
Marin County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mariposa County	<input checked="" type="checkbox"/>		
Mendocino County	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Merced County		<input checked="" type="checkbox"/>	
Modoc County	<input checked="" type="checkbox"/>		
Mono County	<input checked="" type="checkbox"/>		
Monterey County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Napa County		<input checked="" type="checkbox"/>	
Nevada County	<input checked="" type="checkbox"/>		
Orange County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Placer County		<input checked="" type="checkbox"/>	
Plumas County	<input checked="" type="checkbox"/>		
Riverside County		<input checked="" type="checkbox"/>	

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Local Health Jurisdiction	Rural	Metropolitan	Coastal
Sacramento County		<input checked="" type="checkbox"/>	
San Benito County		<input checked="" type="checkbox"/>	
San Bernardino County		<input checked="" type="checkbox"/>	
San Diego County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
San Francisco County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
San Joaquin County		<input checked="" type="checkbox"/>	
San Luis Obispo County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
San Mateo County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Santa Barbara County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Santa Clara County		<input checked="" type="checkbox"/>	
Santa Cruz County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Shasta County		<input checked="" type="checkbox"/>	
Sierra County	<input checked="" type="checkbox"/>		
Siskiyou County	<input checked="" type="checkbox"/>		
Solano County		<input checked="" type="checkbox"/>	
Sonoma County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stanislaus County		<input checked="" type="checkbox"/>	
Sutter County		<input checked="" type="checkbox"/>	
Tehama County	<input checked="" type="checkbox"/>		
Trinity County	<input checked="" type="checkbox"/>		
Tulare County		<input checked="" type="checkbox"/>	
Tuolumne County	<input checked="" type="checkbox"/>		
Ventura County		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Yolo County		<input checked="" type="checkbox"/>	
Yuba County		<input checked="" type="checkbox"/>	

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Appendix C. County-Level Data Resources

Table A1.

Alzheimer's disease and other dementias Prevalence Rate and Age-Adjusted Death Rate from in 2020 by County

County	Prevalence Rate ⁶ (%)	Prevalence Rate Denominator ⁶ (Dual & Non-Dual Beneficiaries)	Age-Adjusted Death Rate ⁷
Alameda	10	10,000+	62.6
Alpine	8	11-499	NA
Amador	7	5,000-9,999	55.7
Butte	8	10,000+	78.2
Calaveras	6	10,000+	41.5
Colusa	8	1,000-4,999	62.9
Contra Costa	9	10,000+	72
Del Norte	7	5,000-9,999	33.7
El Dorado	7	10,000+	77.2
Fresno	9	10,000+	71.2
Glenn	7	5,000-9,999	50.1
Humboldt	7	10,000+	24.7
Imperial	12	10,000+	61.9
Inyo	10	1,000-4,999	58.6
Kern	9	10,000+	69.1
Kings	9	10,000+	72.3
Lake	6	10,000+	59.7
Lassen	7	1,000-4,999	NA
Los Angeles	15	10,000+	54
Madera	8	10,000+	55.5
Marin	9	10,000+	52.3
Mariposa	6	1,000-4,999	43.7
Mendocino	7	10,000+	50.8
Merced	8	10,000+	65.3
Modoc	8	1,000-4,999	NA
Mono	5	1,000-4,999	NA
Monterey	10	10,000+	53.6
Napa	10	10,000+	90.4
Nevada	7	10,000+	71.5
Orange	12	10,000+	62.2
Placer	9	10,000+	69.4
Plumas	7	5,000-9,999	NA
Riverside	9	10,000+	55.7

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County	Prevalence Rate ⁶ (%)	Prevalence Rate Denominator ⁶ (Dual & Non-Dual Beneficiaries)	Age-Adjusted Death Rate ⁷
Sacramento	9	10,000+	84.2
San Benito	9	5,000-9,999	49.6
San Bernardino	10	10,000+	68.4
San Diego	10	10,000+	64.2
San Francisco	11	10,000+	41.4
San Joaquin	9	10,000+	83.9
San Luis Obispo	7	10,000+	38.7
San Mateo	9	10,000+	48.1
Santa Barbara	8	10,000+	60.4
Santa Clara	10	10,000+	53
Santa Cruz	7	10,000+	53.2
Shasta	8	10,000+	84.2
Sierra	6	500-999	NA
Siskiyou	6	10,000+	46
Solano	8	10,000+	69.9
Sonoma	9	10,000+	65.5
Stanislaus	9	10,000+	96.8
Sutter	10	10,000+	69.5
Tehama	7	10,000+	59.4
Trinity	6	5,000-9,999	37.1
Tulare	9	10,000+	78.7
Tuolumne	7	10,000+	67.8
Ventura	10	10,000+	61
Yolo	9	10,000+	84.5
Yuba	8	10,000+	66.5

NA All measures associated with counts <11 , as well as necessary complementary counts/measures are excluded for data de-identification purposes.

Additional information regarding the data and age-adjusted death rates stratified by county and sex can be found in the [CDPH California Community Burden of Disease Engine Dashboard](#).

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Table A2.

County Deaths due to Alzheimer’s Disease: Rank Ordered by Increasing Age-Adjusted
Death Rate and Decreasing Size of Population, 2018-2020⁸

Rank Order	County of Residence	2019 Population	2018-2020 Deaths (Average)	Crude Death Rate	Age-Adjusted Death Rate	95% CL (Lower)	95% CL (Upper)
28	Alameda	1,668,965	630.7	37.8	34.6	33.0	36.1
53	Alpine	1,123	0.7	59.4 *	51.7 *	6.3	186.7
36	Amador	37,724	29.0	76.9	38.6	30.9	47.6
56	Butte	214,532	164.3	76.6	53.6	48.9	58.4
18	Calaveras	44,403	23.0	51.8	27.5	21.3	34.8
40	Colusa	22,045	10.3	46.9	40.6	27.6	57.6
45	Contra Costa	1,147,269	595.7	51.9	42.4	40.4	44.3
11	Del Norte	27,207	7.0	25.7	17.7	11.0	27.1
29	El Dorado	188,818	93.0	49.3	34.9	30.7	39.0
48	Fresno	1,018,437	435.3	42.7	45.3	42.8	47.7
33	Glenn	29,072	13.0	44.7	37.3	26.5	51.0
7	Humboldt	133,820	23.7	17.7	14.0	10.9	17.7
24	Imperial	188,962	64.3	34.0	30.0	25.7	34.3
4	Inyo	18,463	4.0	21.7 *	12.2 *	6.3	21.4
55	Kern	909,697	370.3	40.7	53.1	50.0	56.2
20	Kings	153,522	32.3	21.1	27.9	22.6	34.0
5	Lake	64,080	13.7	21.3	13.0	9.3	17.6
3	Lassen	28,972	3.7	12.7 *	11.6 *	5.8	20.7
34	Los Angeles	10,210,966	4,512.3	44.2	37.9	37.3	38.6
32	Madera	157,686	64.7	41.0	37.1	31.9	42.4
27	Marin	260,969	153.0	58.6	32.5	29.6	35.5
12	Mariposa	17,842	8.0	44.8	20.0	12.8	29.8
8	Mendocino	88,125	17.0	19.3	14.1	10.5	18.5
21	Merced	281,592	67.0	23.8	28.5	24.6	32.5
6	Modoc	9,458	2.7	28.2 *	13.5 *	5.8	26.6
1	Mono	13,585	0.7	4.9 *	4.4 *	0.5	15.7
17	Monterey	443,397	123.0	27.7	24.4	21.9	27.0
49	Napa	139,874	87.7	62.7	45.9	40.4	51.5
19	Nevada	97,808	54.3	55.6	27.6	23.3	32.0
38	Orange	3,195,197	1,544.0	48.3	39.2	38.1	40.4
44	Placer	394,626	272.7	69.1	42.0	39.1	44.9
10	Plumas	18,450	5.7	30.7 *	14.5 *	8.4	23.2
31	Riverside	2,428,464	1,092.7	45.0	37.1	35.8	38.4
52	Sacramento	1,548,760	829.0	53.5	51.4	49.4	53.5

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Rank Order	County of Residence	2019 Population	2018-2020 Deaths (Average)	Crude Death Rate	Age-Adjusted Death Rate	95% CL (Lower)	95% CL (Upper)
13	San Benito	62,051	12.3	19.9	21.0	14.8	28.9
46	San Bernardino	2,176,150	752.0	34.6	42.5	40.8	44.3
37	San Diego	3,346,937	1,516.3	45.3	38.7	37.6	39.9
14	San Francisco	897,114	307.3	34.3	21.9	20.5	23.4
39	San Joaquin	767,935	273.3	35.6	40.2	37.5	43.0
22	San Luis Obispo	277,276	130.0	46.9	29.2	26.3	32.1
23	San Mateo	776,002	336.0	43.3	29.6	27.8	31.5
41	Santa Barbara	452,066	244.3	54.0	40.7	37.7	43.7
15	Santa Clara	1,960,932	543.0	27.7 †	22.7 †	21.6	23.8
25	Santa Cruz	272,185	90.3	33.2	30.2	26.6	33.8
58	Shasta	177,620	153.3	86.3	59.0	53.6	64.4
2	Sierra	3,127	0.7	21.3 *	9.3 *	1.1	33.4
26	Siskiyou	44,000	26.7	60.6	30.8	24.4	38.3
43	Solano	439,990	214.7	48.8	41.3	38.1	44.4
30	Sonoma	495,058	270.0	54.5	36.6	34.1	39.1
57	Stanislaus	554,212	291.3	52.6	55.0	51.3	58.6
42	Sutter	102,808	49.0	47.7	40.7	34.1	47.3
35	Tehama	65,163	36.0	55.2	38.6	31.3	45.8
9	Trinity	13,374	4.3	32.4 *	14.1 *	7.5	24.1
54	Tulare	477,731	214.0	44.8	52.6	48.5	56.7
16	Tuolumne	52,557	23.3	44.4	23.0	17.9	29.1
47	Ventura	844,213	446.7	52.9	43.7	41.4	46.1
51	Yolo	220,723	106.0	48.0	50.4	44.9	56.0
50	Yuba	78,061	30.3	38.9	47.2	38.0	58.1
	California	39,761,195	17,419.7	43.8	37.7	37.3	38.0

* Rates with a relative standard error greater than or equal to 23 percent are deemed unreliable. See Technical Notes for more information.

† Data and rates for Santa Clara County may not provide the true reflection of Alzheimer's deaths due to reporting inconsistencies.

CL Confidence Limit.

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Table B1.

Estimated Number and Percent Change in People Age 55+ with Alzheimer's Disease by County, 2019, 2025, and 2040⁹

County	2019	2025	2040	% Change 2019-2040
Alameda	28,045	37,430	69,264	147
Alpine	28	42	67	142
Amador	1,190	1,545	2,282	92
Butte	4,861	5,806	8,041	65
Calaveras	1,450	1,955	2,997	107
Colusa	402	487	763	90
Contra Costa	21,857	29,265	54,073	147
Del Norte	589	685	910	55
El Dorado	4,484	6,080	10,153	126
Fresno	14,643	18,461	31,085	112
Glenn	548	648	954	74
Humboldt	2,686	3,384	5,109	90
Imperial	3,117	3,858	6,547	110
Inyo	490	606	992	102
Kern	11,487	14,390	23,793	107
Kings	1,847	2,281	3,493	89
Lake	1,656	2,021	2,620	58
Lassen	556	702	1,044	88
Los Angeles	177,345	228,012	416,531	135
Madera	2,707	3,435	5,244	94
Marin	7,117	9,395	14,520	104
Mariposa	605	755	1,135	88
Mendocino	2,002	2,682	3,959	98
Merced	3,666	4,700	8,102	121
Modoc	301	373	456	52
Mono	175	313	745	325
Monterey	7,406	9,408	16,202	119
Napa	3,086	4,005	6,246	102
Nevada	3,112	4,082	5,965	92
Orange	59,339	76,035	131,906	122
Placer	9,760	12,869	20,777	113
Plumas	664	839	1,033	56
Riverside	44,694	58,470	108,287	142
Sacramento	24,885	32,244	56,525	127
San Benito	937	1,258	2485	165

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County	2019	2025	2040	% Change 2019-2040
San Bernardino	28,925	37,973	69,614	141
San Diego	58,616	75,491	133,257	127
San Francisco	18,749	23,037	37,153	98
San Joaquin	10,999	14,448	26,484	141
San Luis Obispo	6,885	9,029	14,968	117
San Mateo	16,289	20,740	34,612	112
Santa	8,505	10,256	16,758	97
Santa Clara	35,314	45,924	82,336	133
Santa	4,895	6,822	12,403	153
Shasta	4,153	4,930	6,689	61
Sierra	113	142	176	56
Siskiyou	1,318	1,593	1,983	50
Solano	8,220	11,135	19,566	138
Sonoma	11,545	15,693	27,443	138
Stanislaus	8,398	10,594	17,743	111
Sutter	1,787	2,170	3,342	87
Tehama	1,454	1,747	2,328	60
Trinity	460	570	690	50
Tulare	6,427	8,104	13,261	106
Tuolumne	1,605	2,028	2,908	81
Ventura	15,807	20,425	36,445	131
Yolo	3,285	4,357	7,496	128
Yuba	1,075	1,349	2,301	114
California	702,556	907,080	1,594,262	127

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Table B2.

Estimated Number and Percent Change in People Age 55+ with Alzheimer’s Disease by Race/Ethnicity and by County – 2019⁹

County	White/ Caucasian American, Non- Latino/a/x	Latino/a/x American	Black/ African American	Asian American/ Pacific Islander	Native American	Multirace
Alameda	13,062	3,210	3,248	8,025	77	423
Alpine	23	1	0	0	3	0
Amador	1,097	53	3	11	11	14
Butte	4,308	292	45	97	55	62
Calaveras	1,305	88	9	17	12	19
Colusa	272	105	6	10	5	3
Contra Costa	14,227	2,456	1,504	3,325	57	287
Del Norte	518	25	1	12	23	10
El Dorado	3,980	241	24	157	29	54
Fresno	8,220	4,287	538	1,360	101	137
Glenn	433	87	3	11	9	5
Humboldt	2,393	96	13	40	96	47
Imperial	809	2,160	43	57	32	18
Inyo	415	36	1	5	28	4
Kern	7,222	2,961	441	603	113	147
Kings	1,041	605	61	113	15	13
Lake	1,441	108	41	18	22	26
Lassen	487	33	7	6	14	9
Los Angeles	75,600	51,537	14,921	32,952	414	1,920
Madera	1,815	692	62	57	44	36
Marin	6,295	323	89	337	9	64
Mariposa	544	30	3	5	12	11
Mendocino	1,742	139	7	34	53	26
Merced	2,001	1,198	142	264	23	38
Modoc	273	13	2	3	6	3
Mono	155	13	1	3	3	1
Monterey	4,512	1,839	196	742	33	84
Napa	2,448	363	31	204	13	28
Nevada	2,927	101	4	28	21	31
Orange	37,462	9,056	632	11,411	153	625
Placer	8,377	674	70	502	53	84

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County	White/ Caucasian American, Non- Latino/a/x	Latino/a/x American	Black/ African American	Asian American/ Pacific Islander	Native American	Multirace
Plumas	619	22	2	4	8	9
Riverside	30,233	9,283	1,898	2,691	212	378
Sacramento	15,968	2,639	1,815	3,949	131	383
San Benito	552	333	5	33	4	9
San Bernardino	15,322	8,621	2,076	2,430	170	306
San Diego	38,862	10,042	1,928	6,973	221	590
San Francisco	7,245	1,831	1,073	8,380	30	190
San Joaquin	6,074	2,325	624	1,772	51	154
San Luis Obispo	5,968	609	44	169	32	63
San Mateo	9,465	2,152	487	3,976	24	186
Santa Barbara	6,240	1,644	136	378	41	65
Santa Clara	18,330	4,938	654	10,938	79	373
Santa Cruz	3,899	690	33	201	18	53
Shasta	3,790	156	17	68	60	62
Sierra	103	6	0	0	2	1
Siskiyou	1,173	65	12	12	27	30
Solano	4,405	980	945	1,723	42	125
Sonoma	9,866	947	129	434	62	107
Stanislaus	5,687	1,885	155	476	57	139
Sutter	1,168	245	30	301	17	26
Tehama	1,267	119	6	15	26	21
Trinity	411	17	1	2	16	13
Tulare	3,760	2,199	62	285	52	68
Tuolumne	1,481	75	5	10	17	17
Ventura	10,774	3,346	218	1,279	50	140
Yolo	2,256	599	69	301	20	40
Yuba	815	132	21	62	23	22

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Table C.

Average Costs per Medicare Beneficiary with Primary Chronic Condition of Alzheimer’s Disease, Related Disorders, or Senile Dementia by County, 2020⁶

County	Average Principal Cost (per beneficiary)	Total Cost (Risk-Adjusted) (per beneficiary)
Alameda	\$2,027	\$19,543
Alpine	\$2,496	\$15,783
Amador	\$2,042	\$16,840
Butte	\$1,396	\$20,788
Calaveras	\$1,516	\$17,481
Colusa	\$1,388	\$19,180
Contra Costa	\$2,166	\$18,644
Del Norte	\$617	\$20,802
El Dorado	\$2,108	\$17,875
Fresno	\$2,134	\$17,872
Glenn	\$541	\$20,076
Humboldt	\$619	\$19,695
Imperial	\$1,569	\$21,856
Inyo	\$3,343	\$17,714
Kern	\$1,829	\$20,072
Kings	\$1,113	\$18,116
Lake	\$1,558	\$20,596
Lassen	\$1,127	\$17,394
Los Angeles	\$1,629	\$22,390
Madera	\$1,564	\$18,218
Marin	\$1,571	\$16,113
Mariposa	\$1,279	\$18,482
Mendocino	\$952	\$18,355

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County	Average Principal Cost (per beneficiary)	Total Cost (Risk-Adjusted) (per beneficiary)
Merced	\$1,220	\$19,030
Modoc	\$921	\$18,809
Mono	\$1,756	\$17,543
Monterey	\$1,761	\$17,302
Napa	\$1,657	\$18,937
Nevada	\$1,111	\$17,626
Orange	\$2,118	\$19,810
Placer	\$2,179	\$17,077
Plumas	\$497	\$17,515
Riverside	\$2,000	\$20,128
Sacramento	\$1,960	\$19,195
San Benito	\$1,827	\$17,796
San Bernardino	\$1,982	\$22,160
San Diego	\$2,256	\$19,534
San Francisco	\$1,654	\$19,315
San Joaquin	\$2,355	\$20,220
San Luis Obispo	\$1,758	\$15,600
San Mateo	\$2,213	\$17,634
Santa Barbara	\$2,065	\$16,589
Santa Clara	\$1,807	\$18,323
Santa Cruz	\$1,564	\$16,721
Shasta	\$995	\$17,647
Sierra	\$1,040	\$20,321
Siskiyou	\$758	\$15,432
Solano	\$1,929	\$18,993
Sonoma	\$1,690	\$17,717
Stanislaus	\$1,678	\$19,105

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County	Average Principal Cost (per beneficiary)	Total Cost (Risk-Adjusted) (per beneficiary)
Sutter	\$1,419	\$17,395
Tehama	\$1,312	\$19,927
Trinity	\$817	\$17,423
Tulare	\$1,509	\$19,097
Tuolumne	\$1,494	\$17,702
Ventura	\$2,178	\$18,273
Yolo	\$1,662	\$18,047
Yuba	\$901	\$18,854

Table D.

Demographic Projections for Population Aged 60 and Older by County, 2022¹⁰

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County	Population	Non-Minority	Minority	Low Income	Medi-Cal Eligible	Lives Alone	Non-English
Alameda	399,436	133,411	266,025	39,575	81,532	65,225	17,805
Alpine	436	308	128	75	54	80	0
Amador	15,089	11,724	3,365	1,295	1,295	2,850	25
Butte	64,003	46,248	17,755	8,880	10,648	13,890	585
Calaveras	18,318	14,932	3,386	1,695	1,856	3,535	30
Colusa	5,458	2,023	3,435	540	1,226	1,000	480
Contra Costa	304,792	137,714	167,078	21,465	41,432	48,180	6,315
Del Norte	7,257	4,634	2,623	1,255	1,736	1,645	20
El Dorado	63,507	49,027	14,480	5,290	5,386	9,930	485
Fresno	199,019	59,351	139,668	30,440	53,058	34,600	13,610
Glenn	6,936	3,632	3,304	1,230	1,578	1,165	220
Humboldt	38,207	28,653	9,554	4,810	6,932	9,110	250
Imperial	40,183	5,023	35,160	7,955	16,490	5,020	7,790
Inyo	6,738	4,274	2,464	655	903	1,650	50
Kern	165,900	59,135	106,765	24,810	42,583	27,555	9,835

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County	Population	Non-Minority	Minority	Low Income	Medi-Cal Eligible	Lives Alone	Non-English
Kings	28,110	9,365	18,745	3,695	6,166	3,920	1,695
Lake	21,498	15,171	6,327	3,395	5,254	5,790	250
Lassen	7,197	4,970	2,227	710	1,127	1,615	4
Los Angeles	1,461,336	375,447	1,092,607	194,325	408,333	207,085	109,400
Madera	34,551	11,851	22,700	4,400	6,993	5,060	2,465
Marin	92,507	65,289	27,218	6,145	6,953	20,870	435
Mariposa	6,966	5,678	1,288	805	899	1,590	4
Mendocino	27,691	18,054	9,637	3,780	5,495	6,545	275
Merced	50,681	14,769	35,912	7,290	14,014	8,270	4,890
Modoc	3,041	2,333	708	455	586	775	30
Mono	4,179	2,739	1,440	245	311	700	4
Monterey	94,097	28,071	66,026	9,575	17,535	15,710	6,080
Napa	39,362	20,683	18,679	3,255	5,092	8,065	885
Nevada	38,421	32,437	5,984	4,315	3,582	7,295	120
Orange	768,528	317,055	451,473	77,745	144,167	115,040	31,680

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County	Population	Non-Minority	Minority	Low Income	Medi-Cal Eligible	Lives Alone	Non-English
Placer	112,243	83,345	28,898	10,430	9,168	21,330	980
Plumas	8,824	7,339	1,485	890	1,056	1,735	15
Riverside	561,511	209,220	352,291	68,505	100,963	85,640	23,555
Sacramento	348,333	160,780	187,553	44,715	75,117	67,330	12,190
San Benito	14,078	5,184	8,894	1,065	2,001	1,445	655
San Bernardino	423,290	130,051	293,239	55,435	100,149	59,620	17,535
San Diego	729,001	333,249	395,752	80,050	132,030	125,000	25,990
San Francisco	226,183	99,657	126,526	32,740	61,518	49,750	22,615
San Joaquin	156,535	51,927	104,608	19,420	35,335	24,660	6,790
San Luis Obispo	83,281	57,438	25,843	7,070	7,626	15,780	590
San Mateo	212,553	85,994	126,559	15,260	24,938	32,095	5,950
Santa Barbara	101,182	44,744	56,438	9,885	15,929	19,935	3,580
Santa Clara	453,456	151,295	302,161	41,640	83,523	60,760	18,025
Santa Cruz	71,798	40,442	31,356	6,745	10,478	13,880	1,950
Shasta	52,571	42,185	10,386	6,630	9,165	11,650	135

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County	Population	Non-Minority	Minority	Low Income	Medi-Cal Eligible	Lives Alone	Non-English
Sierra	1,452	1,255	197	110	188	315	0
Siskiyou	15,093	11,548	3,545	2,450	3,033	3,975	95
Solano	113,277	43,929	69,348	9,355	16,595	17,645	2,400
Sonoma	151,644	96,940	54,704	13,485	16,584	32,850	2,235
Stanislaus	117,534	50,714	66,820	15,935	27,288	19,110	5,150
Sutter	22,035	10,442	11,593	2,785	5,915	4,200	1,735
Tehama	18,024	12,306	5,718	2,775	3,672	3,930	250
Trinity	5,802	4,699	1,103	835	844	1,250	0
Tulare	86,372	25,626	60,746	15,010	25,818	13,080	6,455
Tuolumne	18,696	15,074	3,622	2,240	2,343	4,405	90
Ventura	216,313	98,467	117,846	18,055	28,719	33,260	8,650
Yolo	46,488	22,023	24,465	4,620	7,627	8,420	2,010
Yuba	14,788	8,315	6,473	2,140	3,982	3,225	445
California	9,259,582	3,618,301	5,641,281	1,104,955	1,946,149	1,527,985	456,687

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Table E.
County Health Rankings, 2022¹¹

County	Health Factors ^v	Health Outcomes ^{vi}
Alameda	6	10
Alpine	43	30
Amador	21	23
Butte	32	29
Calaveras	26	28
Colusa	52	27
Contra Costa	9	14
Del Norte	53	51
El Dorado	12	17
Fresno	51	45
Glenn	50	40
Humboldt	28	39
Imperial	58	33
Inyo	24	41
Kern	57	53
Kings	54	32
Lake	48	56
Lassen	36	48
Los Angeles	35	24
Madera	49	37
Marin	1	1
Mariposa	37	31
Mendocino	39	44
Merced	56	38
Modoc	47	55
Mono	20	16
Monterey	38	21
Napa	15	5
Nevada	8	20
Orange	10	6
Placer	4	4
Plumas	29	54
Riverside	33	25
Sacramento	23	26
San Benito	22	18

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County	Health Factors ^v	Health Outcomes ^{vi}
San Bernardino	45	43
San Diego	16	15
San Francisco	5	7
San Joaquin	44	42
San Luis Obispo	7	13
San Mateo	2	2
Santa Barbara	18	19
Santa Clara	3	3
Santa Cruz	14	11
Shasta	27	46
Sierra	31	50
Siskiyou	34	57
Solano	19	22
Sonoma	11	8
Stanislaus	42	36
Sutter	30	35
Tehama	46	52
Trinity	41	58
Tulare	55	47
Tuolumne	25	34
Ventura	17	9
Yolo	13	12
Yuba	40	49

^v **Health factors** represent the focus areas that drive how long and how well we live, including health behaviors (tobacco use, diet & exercise, alcohol & drug use, sexual Component), clinical care (access to care, quality of care), social and economic factors(education, employment, income, family & social support, community safety), and the physical environment (air & water quality, housing & transit).

^{vi} **Health outcomes** represent measures of how long people live and how healthy people feel. Length of life is measured by premature death (years of potential life lost before age 75) and quality of life is measured by self-reported health status (percent of people reporting poor or fair health and the number of physically and mentally unhealthy days within the last 30 days) and the % of low-birth-weight newborns.

Appendix D. Statewide Data and Other Resources

Statewide Data

- 690,000 California residents aged 65 years and older are living with Alzheimer’s disease in 2020.¹²
- 21.7% increase of people aged 65 and older are estimated to live with Alzheimer’s disease by 2025.¹²
- 16,859 deaths from Alzheimer’s disease in 2019. ¹²
- 281.5% increase in Alzheimer’s disease deaths since 2000. ¹²
- 20% of people in hospice have a primary diagnosis of dementia. ¹²
- The dementia patient hospital readmission rate is 23%.¹²
- Medicare spends \$35,364 per capita on people with dementia.¹²
- \$4.197 billion of Medicaid costs are spent on caring for people with Alzheimer’s.¹²
- There is an estimated 24.7% increase in Medicaid costs from 2020 to 2025. ¹²
- The business community faces \$1.4 billion in lost productivity per year due to caregivers missing work, reducing hours, or changing jobs—putting caregivers at risk of losing health insurance and vital financial resources.³
- 7.3% of those aged 45 and older reported experiencing confusion or memory loss happening more often or getting worse¹³
 - 6.2% men and 8.3% women aged 45 and older reported experience confusion or memory loss
 - 58% have not talked to a health care professional about it
 - 45.1% say it has caused them to give up day-to-day activities and/or interfered with work or social activities
 - 20.1% live alone
 - 84.1% have at least one (1) other chronic condition (arthritis, asthma, chronic obstructive pulmonary disease, cancer, cardiovascular disease, and diabetes).
- California is home to the largest number of family caregivers (1.1 million) in the nation with 881 million of unpaid hours and \$18 billion of total value of unpaid care.¹²
- 25% of unpaid caregivers provided 20 or more hours of care per week¹⁴
- Over half of caregivers have been providing care for at least two (2) years¹⁴
- Care receivers are 56% female, 18% are 65 years or older, 35% are caring for a parent or parent-in-law, and 9% of caregivers are providing care to someone with dementia¹⁴
- Alzheimer’s disease within California’s Asian Pacific Islander and Latino/Hispanic populations is projected to triple by the year 2030³
- 16.7% baby boomers (born between 1946 and 1964) will have Alzheimer’s disease by 2030³
- 587 geriatricians in 2021 and an estimated 1,676 geriatricians are needed to serve 10% of individuals aged 65 years or older by 2050¹⁵
- 596,100 home health and personal care aides in 2018 and an estimated of 784,900 are needed by 2028¹⁵

Other Resources

- [ADRDs Facts and Figures in California: Current Status and Future Projections \(January 2021\):
https://www.cdph.ca.gov/Programs/CCDPHP/DCDIC/CDCB/Pages/AlzhaimersDataStatisticsReports.aspx](https://www.cdph.ca.gov/Programs/CCDPHP/DCDIC/CDCB/Pages/AlzhaimersDataStatisticsReports.aspx)
- [Alzheimer's Association, *2022 Alzheimer's Disease Facts and Figures*.
https://www.alz.org/media/documents/alzheimers-facts-and-figures.pdf](https://www.alz.org/media/documents/alzheimers-facts-and-figures.pdf)
- [Governor's Task Force on Alzheimer's Disease Prevention, Preparedness - Final Recommendations http://caalztaskforce.org/](http://caalztaskforce.org/)
- [Master Plan for Aging https://mpa.aging.ca.gov/](https://mpa.aging.ca.gov/)
- [California Department of Public Health, Chronic Disease Control Branch: Alzheimer's Disease Resources for Families and Health Professionals](#)
- [Centers for Disease Control and Prevention, A Public Health Approach to Alzheimer's and Other Dementias](#)
- [Curriculum Video: Alzheimer's, A Public Health Crisis](#)
- [CDPH Center for Health Statistics and Informatics, Vital Records Data and Statistics:
https://www.cdph.ca.gov/Programs/CHSI/Pages/Data-and-Statistical-Reports-.aspx](https://www.cdph.ca.gov/Programs/CHSI/Pages/Data-and-Statistical-Reports-.aspx)
- [Centers for Medicare and Medicaid Services Dashboard:
https://data.cms.gov/tools/mapping-medicare-disparities-by-population](https://data.cms.gov/tools/mapping-medicare-disparities-by-population)
- [California Health and Human Services Open Data Portal: https://data.chhs.ca.gov/](https://data.chhs.ca.gov/)
- [Robert Wood Johnson County Health Rankings and Roadmaps:
https://www.countyhealthrankings.org/reports](https://www.countyhealthrankings.org/reports)