

California

Direct Costs

Chronic Disease	2003			2023											
	PRC (Thousands)	Expenditure per PRC (\$)	Total Expenditure (US\$ Billions)	Projections - Level						Projections - Difference					
				PRC (Thousands)		Expenditure per PRC (\$)		Total Expenditure (US\$ Billions)		PRC (Thousands)		Expenditure per PRC (\$)		Avoidable Costs (US\$ Billions)	
				Baseline	Optimistic	Baseline	Optimistic	Baseline	Optimistic	Absolute	Percent	Absolute	Percent	Absolute	Percent
Cancer	1,155	4,121	4.76	1,927	1,584	6,902	6,366	13.30	10.08	-343	-17.80	-536	-7.76	-3.22	-24.18
Breast cancer	116	4,609	0.53	191	168	7,783	7,172	1.49	1.20	-24	-12.30	-611	-7.85	-0.29	-19.18
Colon cancer	43	10,815	0.46	60	49	19,631	18,095	1.17	0.89	-11	-17.67	-1,536	-7.82	-0.28	-24.11
Lung cancer	44	16,217	0.70	61	50	27,439	25,285	1.68	1.26	-11	-18.44	-2,154	-7.85	-0.42	-24.85
Prostate cancer	108	3,755	0.40	199	156	6,459	5,952	1.28	0.93	-43	-21.48	-507	-7.84	-0.35	-27.64
Other cancers	845	3,127	2.64	1,416	1,161	5,420	4,995	7.67	5.80	-255	-18.00	-425	-7.84	-1.87	-24.43
Diabetes	1,573	1,904	2.99	2,586	2,242	3,281	3,023	8.48	6.78	-344	-13.30	-257	-7.84	-1.71	-20.10
Heart disease	1,860	3,218	6.00	2,920	1,909	5,807	5,353	16.96	10.22	-1,011	-34.63	-454	-7.83	-6.74	-39.74
Pulmonary conditions	5,301	826	4.37	6,982	6,001	1,462	1,348	10.21	8.09	-981	-14.05	-115	-7.83	-2.12	-20.79
Hypertension	3,660	853	3.12	5,408	4,397	1,472	1,356	7.96	5.96	-1,011	-18.70	-115	-7.84	-2.00	-25.07
Stroke	241	5,374	1.29	339	275	9,842	9,072	3.33	2.49	-64	-18.84	-770	-7.82	-0.84	-25.19
Mental disorders	2,534	1,703	4.36	4,084	3,579	2,915	2,686	11.90	9.61	-504	-12.35	-229	-7.85	-2.29	-19.23
Total	16,324	1,646	26.87	24,245	19,987	3,373	3,109	72.15	53.24	-4,258	-17.56	-264	-7.83	-18.91	-26.20

Indirect Impacts* (US\$ Billions)

Chronic Disease	2003		2023										
	Level	Total	Individual				Caregiver				Total		
			Lost Work Days		Presenteeism		Lost Work Days		Presenteeism		Projections - Level		Projections - Difference
			Baseline	Optimistic	Baseline	Optimistic	Baseline	Optimistic	Baseline	Optimistic	Baseline	Optimistic	Absolute
Cancer	29.60	5.49	4.48	92.75	55.14	0.40	0.32	8.97	5.83	107.60	65.78	-41.83	-38.87
Breast cancer	3.31	0.61	0.54	10.39	6.59	0.04	0.04	1.01	0.70	12.06	7.86	-4.20	-34.84
Colon cancer	2.90	0.48	0.40	8.17	4.86	0.03	0.03	0.79	0.51	9.48	5.80	-3.68	-38.82
Lung cancer	4.40	0.69	0.56	11.72	6.90	0.05	0.04	1.13	0.73	13.59	8.24	-5.36	-39.41
Prostate cancer	2.52	0.53	0.41	8.95	5.08	0.04	0.03	0.87	0.54	10.38	6.06	-4.33	-41.66
Other cancers	16.47	3.17	2.58	53.52	31.71	0.23	0.19	5.18	3.36	62.09	37.83	-24.26	-39.08
Diabetes	12.00	4.26	3.70	34.82	27.30	0.34	0.29	3.71	2.89	43.13	34.18	-8.95	-20.76
Heart disease	10.17	6.78	4.43	24.64	13.47	0.67	0.43	2.38	1.30	34.47	19.64	-14.82	-43.01
Asthma	10.09	5.76	4.95	20.51	16.67	0.42	0.36	1.99	1.62	28.69	23.60	-5.09	-17.74
Hypertension	27.83	13.05	10.61	67.78	53.61	1.28	1.04	6.57	5.20	88.69	70.46	-18.23	-20.55
Stroke	2.20	1.14	0.92	4.95	3.74	0.08	0.07	0.48	0.37	6.65	5.10	-1.55	-23.35
Emotional disturbances	14.27	5.50	4.82	40.00	33.62	0.40	0.35	3.84	3.23	49.74	42.01	-7.73	-15.54
Total	106.16	41.97	33.92	285.46	203.55	3.58	2.87	27.95	20.43	358.97	260.77	-98.20	-27.36

* Based on Nominal GDP

Intergenerational Impacts

Variables	1970	2003	2023								2050			
			2023				2023				2050		2050	
			Projections - Level				Projections - Difference				Projections - Level		Projections - Difference	
			Baseline	Optimistic	Absolute	Percent	Absolute	Percent	Baseline	Optimistic	Absolute	Percent		
Bachelor's degrees (percent)	13.40	28.93	34.12	36.35	2.23	6.54	42.38	49.74	7.36	17.36				
Capital stock (US\$ Billions)	822.81	2564.25	5803.59	6016.15	212.56	3.64	20134.27	22092.73	1958.46	9.72				
Life expectancy at 65 (years)	15.52	19.29	21.09	22.31	1.22	5.78	24.12	26.45	2.33	9.64				
GDP* by state (US\$ Billions)	243.85	1468.90	2450.61	2621.31	170.70	6.97	5188.22	6096.22	908.00	17.50				

*Based on Real GDP