

Tennessee

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	260	4,812	1.25	436	358	9,198	8,315	4.01	2.98	-78	-17.82	-883	-9.60	-1.03	-25.71
Breast cancer	26	5,079	0.13	39	34	9,771	8,825	0.38	0.30	-5	-12.30	-946	-9.68	-0.08	-20.79
Colon cancer	8	12,420	0.10	10	8	26,145	23,624	0.27	0.20	-2	-17.67	-2,521	-9.64	-0.07	-25.61
Lung cancer	10	18,986	0.18	13	10	36,617	33,072	0.47	0.34	-2	-18.44	-3,545	-9.68	-0.12	-26.34
Prostate cancer	23	3,900	0.09	41	32	7,678	6,935	0.31	0.22	-9	-21.48	-743	-9.67	-0.09	-29.07
Other cancers	193	3,895	0.75	333	273	7,742	6,994	2.58	1.91	-60	-18.00	-749	-9.67	-0.67	-25.93
Diabetes	344	2,134	0.73	498	431	4,211	3,804	2.10	1.64	-66	-13.30	-407	-9.67	-0.45	-21.68
Heart disease	458	3,527	1.60	636	416	7,368	6,658	4.69	2.77	-220	-34.63	-711	-9.65	-1.92	-40.93
Pulmonary conditions	1,167	957	1.11	1,600	1,375	1,953	1,764	3.12	2.43	-225	-14.05	-189	-9.66	-0.70	-22.35
Hypertension	876	1,066	0.93	1,185	964	2,107	1,904	2.50	1.83	-222	-18.70	-204	-9.67	-0.66	-26.56
Stroke	59	6,141	0.36	75	61	13,070	11,811	0.98	0.72	-14	-18.84	-1,260	-9.64	-0.26	-26.66
Mental disorders	624	1,391	0.86	964	845	2,722	2,458	2.62	2.08	-119	-12.35	-263	-9.68	-0.55	-20.83
Total	3,788	1,810	6.86	5,394	4,450	4,300	3,885	20.02	14.44	-944	-17.50	-415	-9.65	-5.57	-27.84

Indirect Impacts* (US\$ Billions)

Chronic Disease	2023												
	2003			2023									
	Total	Individual				Caregiver				Total			
	Level	Lost Work Days		Presenteeism		Lost Work Days		Presenteeism		Projections - Level		Projections - Difference	
Baseline		Optimistic	Baseline	Optimistic	Baseline	Optimistic	Baseline	Optimistic	Baseline	Optimistic	Absolute	Percent	
Cancer	6.66	1.24	1.01	20.98	12.47	0.089	0.073	2.03	1.32	24.34	14.88	-9.47	-38.89
Breast cancer	0.70	0.12	0.10	2.01	1.27	0.009	0.007	0.19	0.13	2.33	1.52	-0.81	-34.84
Colon cancer	0.51	0.08	0.07	1.40	0.83	0.006	0.005	0.14	0.09	1.62	0.99	-0.63	-38.80
Lung cancer	0.96	0.14	0.12	2.45	1.44	0.010	0.008	0.24	0.15	2.84	1.72	-1.12	-39.41
Prostate cancer	0.48	0.10	0.08	1.64	0.93	0.007	0.005	0.16	0.10	1.90	1.11	-0.79	-41.65
Other cancers	4.00	0.80	0.65	13.49	7.99	0.058	0.047	1.30	0.85	15.65	9.53	-6.11	-39.07
Diabetes	2.62	0.82	0.71	6.70	5.25	0.066	0.056	0.71	0.56	8.30	6.58	-1.72	-20.76
Heart disease	2.50	1.48	0.97	5.37	2.94	0.145	0.095	0.52	0.28	7.51	4.28	-3.23	-43.01
Asthma	2.22	1.32	1.14	4.70	3.82	0.096	0.083	0.46	0.37	6.57	5.41	-1.17	-17.74
Hypertension	6.66	2.86	2.33	14.86	11.75	0.281	0.229	1.44	1.14	19.44	15.45	-4.00	-20.55
Stroke	0.54	0.25	0.20	1.09	0.83	0.018	0.015	0.11	0.08	1.47	1.12	-0.34	-23.35
Emotional disturbances	3.52	1.30	1.14	9.44	7.94	0.094	0.082	0.91	0.76	11.74	9.92	-1.82	-15.54
Total	24.72	9.27	7.49	63.15	44.99	0.79	0.63	6.17	4.51	79.38	57.63	-21.75	-27.40

* Based on Nominal GDP

Intergenerational Impacts

Variables	1970	2003	2023		2023		2050		2050	
			Projections - Level		Projections - Difference		Projections - Level		Projections - Difference	
			Baseline	Optimistic	Absolute	Percent	Baseline	Optimistic	Absolute	Percent
Bachelor's degrees (percent)	7.90	22.00	26.38	28.09	1.71	6.50	32.34	37.97	5.63	17.40
Capital stock (US\$ Billions)	115.25	315.80	647.21	670.78	23.57	3.64	2020.69	2217.67	196.99	9.72
Life expectancy at 65 (years)	14.89	17.19	18.80	19.88	1.08	5.75	21.49	23.57	2.08	9.66
GDP* by state (US\$ Billions)	30.62	198.56	306.34	327.93	21.60	7.05	527.65	620.61	92.96	17.62

*Based on Real GDP