

Minnesota

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	175	5,568	0.98	289	238	11,335	10,150	3.28	2.41	-52	-17.88	-1,185	-10.46	-0.87	-26.46
Breast cancer	20	5,870	0.12	30	26	11,991	10,731	0.36	0.28	-4	-12.30	-1,260	-10.51	-0.08	-21.52
Colon cancer	5	12,779	0.06	6	5	28,796	25,783	0.18	0.13	-1	-17.67	-3,013	-10.46	-0.05	-26.28
Lung cancer	5	19,152	0.09	6	5	39,232	35,109	0.24	0.18	-1	-18.44	-4,123	-10.51	-0.07	-27.02
Prostate cancer	21	5,259	0.11	38	30	11,018	9,861	0.42	0.29	-8	-21.48	-1,157	-10.50	-0.12	-29.72
Other cancers	125	4,708	0.59	209	172	9,967	8,921	2.09	1.53	-38	-18.00	-1,046	-10.49	-0.56	-26.61
Diabetes	163	2,324	0.38	254	220	4,881	4,368	1.24	0.96	-34	-13.30	-512	-10.50	-0.28	-22.40
Heart disease	232	4,212	0.98	327	214	9,415	8,430	3.08	1.80	-113	-34.63	-985	-10.47	-1.28	-41.47
Pulmonary conditions	778	1,197	0.93	1,059	910	2,606	2,333	2.76	2.12	-149	-14.05	-273	-10.48	-0.64	-23.06
Hypertension	579	912	0.53	807	656	1,920	1,718	1.55	1.13	-151	-18.70	-201	-10.50	-0.42	-27.23
Stroke	42	5,328	0.22	55	45	12,152	10,881	0.67	0.49	-10	-18.84	-1,271	-10.46	-0.18	-27.33
Mental disorders	750	1,767	1.32	1,153	1,011	3,677	3,291	4.24	3.33	-142	-12.35	-386	-10.50	-0.91	-21.55
Total	2,719	1,957	5.32	3,944	3,293	4,930	4,413	16.81	12.24	-651	-16.51	-517	-10.48	-4.58	-27.22

Indirect Impacts* (US\$ Billions)

Chronic Disease	2003		2023											
	Total	Level	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	Percent
Cancer	4.49	0.82	0.67	13.93	8.28	0.059	0.049	1.35	0.88	16.17	9.87	-6.29	-38.93	
Breast cancer	0.55	0.09	0.08	1.52	0.96	0.006	0.006	0.15	0.10	1.76	1.15	-0.61	-34.82	
Colon cancer	0.28	0.04	0.04	0.75	0.45	0.003	0.003	0.07	0.05	0.87	0.53	-0.34	-38.78	
Lung cancer	0.41	0.06	0.05	1.03	0.61	0.004	0.004	0.10	0.06	1.19	0.72	-0.47	-39.39	
Prostate cancer	0.52	0.11	0.08	1.78	1.01	0.008	0.006	0.17	0.11	2.07	1.21	-0.86	-41.63	
Other cancers	2.73	0.52	0.43	8.86	5.25	0.038	0.031	0.86	0.56	10.28	6.27	-4.01	-39.05	
Diabetes	1.24	0.42	0.36	3.42	2.68	0.033	0.029	0.36	0.28	4.24	3.36	-0.88	-20.76	
Heart disease	1.27	0.76	0.50	2.76	1.51	0.074	0.049	0.27	0.15	3.86	2.20	-1.66	-43.01	
Asthma	1.48	0.87	0.75	3.11	2.53	0.063	0.055	0.30	0.25	4.35	3.58	-0.77	-17.74	
Hypertension	4.40	1.95	1.58	10.12	8.00	0.191	0.156	0.98	0.78	13.24	10.52	-2.72	-20.55	
Stroke	0.38	0.18	0.15	0.80	0.61	0.013	0.011	0.08	0.06	1.08	0.83	-0.25	-23.35	
Emotional disturbances	4.22	1.55	1.36	11.30	9.49	0.113	0.099	1.08	0.91	14.04	11.86	-2.18	-15.54	
Total	17.49	6.56	5.38	45.44	33.10	0.55	0.45	4.42	3.30	56.97	42.21	-14.76	-25.90	

* 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)	11.10	31.53	36.77	39.16	2.39	6.49	44.63	52.38	7.75	17.36
Capital stock (US\$ Billions)	139.43	361.22	739.58	766.49	26.91	3.64	2288.09	2510.66	222.57	9.72
Life expectancy at 65 (years)	15.73	19.53	21.36	22.59	1.23	5.75	24.42	26.77	2.35	9.64
GDP* by state (US\$ Billions)	33.95	205.44	318.13	340.54	22.41	7.05	574.65	675.67	101.02	17.58

*Based on Real GDP