

North Carolina

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	297	4,219	1.25	532	437	9,419	8,327	5.01	3.64	-95	-17.83	-1,092	-11.60	-1.37	-27.36
Breast cancer	32	4,230	0.14	51	45	9,407	8,310	0.48	0.37	-6	-12.30	-1,097	-11.66	-0.11	-22.53
Colon cancer	10	11,593	0.11	14	11	28,763	25,425	0.39	0.29	-2	-17.67	-3,338	-11.60	-0.11	-27.22
Lung cancer	11	16,601	0.17	16	13	37,028	32,710	0.57	0.41	-3	-18.44	-4,318	-11.66	-0.16	-27.96
Prostate cancer	30	3,392	0.10	57	45	7,757	6,853	0.44	0.31	-12	-21.48	-904	-11.65	-0.14	-30.63
Other cancers	215	3,415	0.73	395	324	7,902	6,982	3.12	2.26	-71	-18.00	-920	-11.64	-0.86	-27.55
Diabetes	427	1,887	0.80	680	589	4,328	3,824	2.94	2.25	-90	-13.30	-504	-11.65	-0.69	-23.40
Heart disease	537	3,288	1.75	774	506	8,083	7,145	6.26	3.62	-268	-34.63	-938	-11.61	-2.64	-42.21
Pulmonary conditions	1,513	868	1.31	2,231	1,917	2,072	1,831	4.62	3.51	-313	-14.05	-241	-11.62	-1.11	-24.04
Hypertension	1,192	932	1.11	1,780	1,447	2,141	1,891	3.81	2.74	-333	-18.70	-249	-11.65	-1.07	-28.16
Stroke	80	5,881	0.47	107	87	14,788	13,073	1.58	1.14	-20	-18.84	-1,715	-11.60	-0.45	-28.25
Mental disorders	993	1,217	1.20	1,682	1,475	2,764	2,442	4.65	3.60	-208	-12.35	-322	-11.65	-1.05	-22.56
Total	5,038	1,567	7.90	7,786	6,459	4,265	3,770	28.88	20.50	-1,328	-17.05	-496	-11.63	-8.38	-29.03

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
Cancer	7.60	1.51	1.24	25.61	15.22	0.109	0.089	2.48	1.61	29.71	18.15	-11.56	-38.90
Breast cancer	0.83	0.14	0.13	2.44	1.55	0.010	0.009	0.24	0.16	2.84	1.85	-0.99	-34.83
Colon cancer	0.68	0.12	0.10	2.02	1.20	0.009	0.007	0.20	0.13	2.34	1.43	-0.91	-38.78
Lung cancer	1.06	0.17	0.14	2.94	1.73	0.013	0.010	0.28	0.18	3.41	2.07	-1.34	-39.40
Prostate cancer	0.61	0.13	0.10	2.25	1.28	0.010	0.007	0.22	0.14	2.61	1.53	-1.09	-41.64
Other cancers	4.43	0.94	0.77	15.95	9.46	0.068	0.055	1.54	1.00	18.51	11.28	-7.23	-39.06
Diabetes	3.26	1.12	0.97	9.15	7.17	0.090	0.077	0.98	0.76	11.33	8.98	-2.35	-20.76
Heart disease	2.93	1.80	1.17	6.53	3.57	0.177	0.115	0.63	0.35	9.14	5.21	-3.93	-43.01
Asthma	2.88	1.84	1.58	6.55	5.33	0.134	0.115	0.64	0.52	9.17	7.54	-1.63	-17.74
Hypertension	9.06	4.30	3.49	22.31	17.65	0.422	0.344	2.16	1.71	29.20	23.20	-6.00	-20.55
Stroke	0.73	0.36	0.29	1.57	1.18	0.026	0.021	0.15	0.12	2.10	1.61	-0.49	-23.35
Emotional disturbances	5.60	2.26	1.99	16.48	13.85	0.164	0.144	1.58	1.33	20.49	17.31	-3.18	-15.54
Total	32.06	13.19	10.74	88.21	63.97	1.12	0.90	8.62	6.39	111.14	82.00	-29.14	-26.22

* 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)	8.50	23.10	26.97	28.73	1.76	6.52	33.39	39.18	5.79	17.33
Capital stock (US\$ Billions)	147.44	420.59	1004.93	1041.64	36.71	3.64	3563.14	3909.18	346.04	9.72
Life expectancy at 65 (years)	14.81	17.76	19.42	20.54	1.12	5.77	22.21	24.35	2.14	9.63
GDP* by state (US\$ Billions)	45.42	309.26	492.27	527.09	34.82	7.07	967.36	1137.13	169.77	17.55

*Based on Real GDP