

Kentucky

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	173	4,599	0.80	268	220	9,716	8,680	2.60	1.91	-48	-17.84	-1,036	-10.66	-0.69	-26.60
Breast cancer	17	4,719	0.08	23	20	9,788	8,738	0.23	0.18	-3	-12.30	-1,049	-10.72	-0.05	-21.70
Colon cancer	6	12,307	0.07	7	6	28,215	25,205	0.20	0.15	-1	-17.67	-3,010	-10.67	-0.05	-26.45
Lung cancer	8	18,102	0.14	9	8	37,653	33,617	0.35	0.25	-2	-18.44	-4,036	-10.72	-0.09	-27.19
Prostate cancer	15	3,710	0.06	25	20	7,896	7,050	0.20	0.14	-5	-21.48	-845	-10.71	-0.06	-29.89
Other cancers	128	3,723	0.48	203	167	8,007	7,151	1.63	1.19	-37	-18.00	-857	-10.70	-0.44	-26.78
Diabetes	219	2,057	0.45	308	267	4,389	3,920	1.35	1.05	-41	-13.30	-470	-10.70	-0.31	-22.58
Heart disease	325	3,494	1.13	424	277	7,945	7,097	3.37	1.97	-147	-34.63	-848	-10.67	-1.40	-41.60
Pulmonary conditions	1,020	935	0.95	1,303	1,119	2,070	1,849	2.70	2.07	-183	-14.05	-221	-10.69	-0.63	-23.24
Hypertension	607	1,022	0.62	775	630	2,185	1,951	1.69	1.23	-145	-18.70	-234	-10.70	-0.46	-27.40
Stroke	37	6,178	0.23	44	36	14,340	12,811	0.64	0.46	-8	-18.84	-1,529	-10.66	-0.18	-27.50
Mental disorders	378	1,332	0.50	532	466	2,817	2,515	1.50	1.17	-66	-12.35	-302	-10.71	-0.33	-21.74
Total	2,760	1,702	4.70	3,655	3,017	4,358	3,892	13.85	9.86	-638	-17.45	-466	-10.69	-3.99	-28.82

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	4.44	0.76	0.62	12.89	7.66	0.055	0.045	1.25	0.81	14.96	9.14	-5.82	-38.90
Breast cancer	0.42	0.07	0.06	1.12	0.71	0.005	0.004	0.11	0.08	1.30	0.85	-0.45	-34.82
Colon cancer	0.40	0.06	0.05	1.01	0.60	0.004	0.004	0.10	0.06	1.17	0.71	-0.45	-38.78
Lung cancer	0.74	0.10	0.08	1.72	1.01	0.007	0.006	0.17	0.11	2.00	1.21	-0.79	-39.39
Prostate cancer	0.31	0.06	0.05	0.98	0.56	0.004	0.003	0.09	0.06	1.14	0.66	-0.47	-41.64
Other cancers	2.58	0.48	0.39	8.06	4.78	0.034	0.028	0.78	0.51	9.35	5.70	-3.65	-39.05
Diabetes	1.67	0.51	0.44	4.15	3.26	0.041	0.035	0.44	0.34	5.14	4.08	-1.07	-20.76
Heart disease	1.78	0.98	0.64	3.58	1.96	0.097	0.063	0.35	0.19	5.01	2.85	-2.15	-43.01
Asthma	1.94	1.08	0.92	3.83	3.11	0.078	0.067	0.37	0.30	5.35	4.40	-0.95	-17.74
Hypertension	4.61	1.87	1.52	9.71	7.68	0.184	0.150	0.94	0.74	12.71	10.10	-2.61	-20.55
Stroke	0.34	0.15	0.12	0.65	0.49	0.011	0.009	0.06	0.05	0.87	0.67	-0.20	-23.35
Emotional disturbances	2.13	0.72	0.63	5.21	4.38	0.052	0.045	0.50	0.42	6.48	5.48	-1.01	-15.54
Total	16.92	6.07	4.90	40.03	28.54	0.52	0.41	3.91	2.86	50.53	36.71	-13.81	-27.34

* 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
	Baseline	Optimistic	Absolute	Percent	Baseline	Optimistic	Absolute	Percent	Baseline	Optimistic	Absolute	Percent		
Bachelor's degrees (percent)	7.20	21.10	24.05	25.62	1.57	6.54	29.80	34.96	5.16	17.33				
Capital stock (US\$ Billions)	85.03	239.46	448.01	464.42	16.41	3.64	1219.19	1337.56	118.38	9.72				
Life expectancy at 65 (years)	14.79	17.04	18.63	19.71	1.08	5.78	21.31	23.36	2.05	9.62				
GDP* by state (US\$ Billions)	22.70	124.95	194.93	208.75	13.82	7.09	300.60	353.35	52.75	17.55				

*Based on Real GDP