

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 |
| 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