The Burden of Colon Cancer in KY
compiled by the Kentucky Cancer Consortium, using Kentucky Cancer Registry data
October 2012

- **2,658** Kentuckians were **diagnosed** with colon cancer in 2009.
  - 891 died from the disease in 2009.
    - Invasive Incidence counts: for Both Sexes, All Races
    - Death Counts: for Both Sexes, All Races
    - Website: Kentucky Cancer Registry, Jaclyn Nee

- The colon cancer incidence rate (rate of new cases) in Kentucky is **9% higher** than the national rate. In 2009, Kentucky **ranked #1** in incidence for colon cancer.
  - For years, 2005-2009 for all races, including Hispanics, both sexes, all ages
  - KY= 55 per 100,000 cases
  - US= 46 per 100,000 cases
  - Website: State Cancer Profiles [http://statecancerprofiles.cancer.gov/map/map.withimage.php?21&001&020&00&0&01&0&1&6&0#map](http://statecancerprofiles.cancer.gov/map/map.withimage.php?21&001&020&00&0&01&0&1&6&0#map)
  - Incidence rates/state ranking- for All Races, Both Sexes, Colon & Rectum, All Ages, 2009
    - KY=52.8, US= 42.3
    - Website: State Cancer Profiles [http://statecancerprofiles.cancer.gov/incidencerates/index.php?stateFIPS=00&cancer=020&race=00&sex=0&age=001&type=incd&sortVariableName=rate&sortOrder=default](http://statecancerprofiles.cancer.gov/incidencerates/index.php?stateFIPS=00&cancer=020&race=00&sex=0&age=001&type=incd&sortVariableName=rate&sortOrder=default)

- The colon cancer mortality rate (death rate) in Kentucky is **3% higher** than the national rate. In 2009, Kentucky was **ranked #3** in mortality from colon cancer.
  - Age-adjusted death rates for 2005-2009 for all races, including Hispanics, both sexes and all ages
  - KY= 19.8 per 100,000 cases
  - US= 16.7 per 100,000 cases
  - Website: State Cancer Profiles [http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&00&0&01&1&1&1&6&0#map](http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&00&0&01&1&1&1&6&0#map)
  - Mortality rate/state ranking- for All Races, Both Sexes, Colon & Rectum, All Ages, 2009
    - KY= 19 per 100,000 cases, US= 15.7 per 100,000 cases
    - Website: State Cancer Profiles [http://statecancerprofiles.cancer.gov/cgi-bin/deathrates/deathrates.pl?00&020&00&0&001&1&1&1](http://statecancerprofiles.cancer.gov/cgi-bin/deathrates/deathrates.pl?00&020&00&0&001&1&1&1)

- The colon cancer mortality rate (death rate) for **men** is **4% higher** than the national rate and for **women**, it is **2% higher** than the national rate.
  - Age-adjusted Death Rates for 2005-2009, All races (includes Hispanics), Male, All Ages
- KY= 24.3 per 100,000 cases
- US= 20.2 per 100,000 cases

  Age-adjusted Death Rates for 2005-2009, All races (includes Hispanics), Female, All Ages
  - KY= 16.6 per 100,000 cases
  - US= 14.1 per 100,000 cases

- Website: State Cancer Profiles
  [http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&00&2&02&0&1&6&0 #map](http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&00&2&02&0&1&6&0 #map)

- The colon cancer mortality rate (death rate) for **blacks** is **4% higher** than the national rate and for **whites**, the rate is **3% higher** than the national rate.

  - Death rate for 2005-2009, Black (includes Hispanics), Both Sexes, All ages
    - KY= 27.7 per 100,000 cases
    - US= 23.7 per 100,000 cases

  - Website: State Cancer Profiles
    [http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&02&0&02&0 &1&6&0#map](http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&02&0&02&0 &1&6&0#map)

  - Death rate for 2005-2009, White (includes Hispanics), Both Sexes, All ages
    - KY= 19.5 per 100,000 cases
    - US= 16.2 per 100,000 cases

  - Website: State Cancer Profiles
    [http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&01&0&02&0 &1&6&0#map](http://statecancerprofiles.cancer.gov/map/map.withimage.php?00&001&020&01&0&02&0 &1&6&0#map)

- Colon cancer is the second most common cause of **cancer death** in Kentucky among men and women combined.

  - Website: United States Cancer Statistics

  - Lung and Bronchus cancer is #1

  - 2008 data

  - Colon cancer is one of the **most preventable cancers** if it is diagnosed early. When **detected early**, the **5 year survival rate** for colon cancer is **90 percent**. The later colon cancer is detected, the lower the survival rate. The survival rate for late stage colon cancer is less than 12%.

    - Data is for 2002-2008, All Races, Both Sexes
    - Surveillance Epidemiology and End Results (SEER)
    - “Early” stage is defined as localized cancer or confined to a primary site. “Late” stage is defined as distant or cancer has metastasized.
Increases in colon cancer screening are highly associated with decreases in the number of colon cancer cases diagnosed in late stage. (National Cancer Institute). Currently, 52.8% (2,495 individuals) of the newly diagnosed colon cancer cases in KY have late stage disease.

- Age-adjusted Invasive Cancer Incidence Rates, 2009
- “Late stage” is defined as invasive cancer.
- Age-adjusted invasive cancer incidence rates

When detected early, treatment cost for colon cancer is about $30,000 per patient. Treatment cost for a patient with late stage colon cancer is estimated at $120,000. (Healthy States Initiative, 2002).


The percent of Kentuckians 50 and older who have had a sigmoidoscopy or colonoscopy has risen dramatically from 34.2% in 1997 (49th in the nation) to 63.7% in 2010. (32th in the nation, BRFSS).

- Ever had a Sigmoidoscopy or Colonoscopy, All Races, Both Sexes, Ages 50+