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Cancer in Michigan, 2009

An Assessment of the Cancer Burden in Michigan

*Michigan Department
of Community Health*



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OVERVIEW

Cancer is the second leading cause of death in Michigan, contributing to significant economic and social costs. An estimated 55,660 people in Michigan were diagnosed with cancer during 2010 and 20,740 were projected to die from cancer. Uninsured patients and those from ethnic minorities are much more likely to be diagnosed with cancer at a later stage when treatment is more extensive, debilitating, and costly. And, since cancer is more prevalent among older adults, priority populations continue to be older, underserved minority populations.

The focus of Michigan's Cancer Programs is to enhance initiatives, capacity, and infrastructure, towards the reduction of cancer morbidity, mortality and related health disparities. Quality cancer registry data are critical and provide the basis for state and local strategic planning and evaluation. To maximize impact on population health, priority interventions will continue to target breast, cervical, colorectal, prostate, and lung cancers and related risk factors with new emphasis on policy and system change.

The Michigan Department of Community Health (MDCH) is the recognized public health agency for the state of Michigan and has a long history of implementing successful cancer control programs. These programs include the:

- Breast and Cervical Cancer Control Program
- Comprehensive Cancer Control Program
- Well-Integrated Screening and Evaluation for Woman Across the Nation Program
- Colorectal Cancer Early Detection Program
- Implementation of Policy and Environmental Cancer Control Interventions
- Cancer Surveillance Program
- Cancer Genomics Program

Success has been enhanced by numerous collaborative efforts involving internal and external partners. A description of Michigan's Cancer Programs is included below.

Breast and Cervical Cancer Control Program



Since 1991, MDCH has implemented a statewide Breast and Cervical Cancer Control Program (BCCCP) through a multi-year grant from the United States Centers for Disease Control and Prevention (CDC). With these funds, low-income women have access to life-saving breast and cervical cancer screening services and following-up care, including cancer treatment, if needed. BCCCP services are coordinated through 21 local coordinating agencies. These agencies have enlisted the cooperation and participation of physicians, hospitals, and other health care organization in their communities to assure that all necessary follow-up services are provided. Learn more at http://www.michigan.gov/mdch/0,4612,7-132-2940_2955_2975-13487--,00.html.

Comprehensive Cancer Control Program



In 1998, the Michigan Cancer Consortium (MCC) became a formalized coalition of external partner organizations that committed to work together to improve statewide cancer prevention and control. Today the MCC includes 117 diverse member organizations, e.g. large health systems, hospitals, insurers, provider groups, public health, and others representing disparate group. The MCC, supported by MDCH staff, promotes collaborative planning, implementation, and evaluation of coordinated cancer control initiatives. Learn more at http://www.michigan.gov/mdch/0,4612,7-132-2940_2955_2975-13561--_00.html.

WISEWOMAN Program



The Well-Integrated Screening and Evaluation for Women Across the Nation (WISEWOMAN) Program is an extension of the BCCCP. Women are only eligible for the WISEWOMAN Program if they are first enrolled in the BCCCP. The main focus of WISEWOMAN is to help participants understand and make healthy lifestyle choices with a focus on nutrition, physical activity and smoking cessation. Leading a healthy lifestyle will help with current chronic disease risk factors and symptoms. It may also prevent or delay the development of new chronic disease risk factors. The WISEWOMAN Program is administered by 11 agencies and its services are available in 29 Michigan counties. Learn more at http://www.michigan.gov/mdch/0,4612,7-132-2940_2955_2975-269287--_00.html.

Colorectal Cancer Early Detection Program



As of July 2010, MDCH expanded colorectal cancer screening services through a multi-year grant from the CDC. The Michigan Colorectal Cancer Early Detection Program (MCRCEDP) provides free colorectal cancer screening to asymptomatic, low-income, uninsured and underinsured individuals and is administered by eight agencies. MCRCEDP provides services in 38 counties. MDCH financially supports the MCRCEDP's administration, screening, and follow-up of abnormal screening results. Treatment, if needed, is generously provided through collaboration with community partners. Learn more at http://www.michigan.gov/mdch/0,4612,7-132-2940_2955_2975-269772--_00.html.

Demonstrating Capacity of Comprehensive Cancer Control Programs to Implement Policy and Environmental Cancer Control Initiatives



The MCC, supported by MDCH staff, is working to implement policy and environmental changes for primary, secondary and tertiary cancer prevention strategies through funding from the CDC. The policy interventions are focused at community, organizational and state levels to: decrease tobacco use; improve physical activity and nutrition; increase screening rates for breast, cervical and colorectal cancers; and improve survivorship programming to reduce the risk of recurrent or new cancers. Learn more at

http://w3.michigan.gov/mdch/0,4612,7-132-2940_2955_2975-291523---,00.html.

Cancer Surveillance Program



The Michigan Cancer Surveillance Program is a population-based cancer registry operated within the MDCH. The registry covers the entire state of Michigan and requires reporting of all in situ and invasive lesions, excluding only basal and squamous cell carcinoma of nongenital skin. Michigan has required reporting of benign tumors of the brain and central nervous system since 2004. In addition, the Michigan registry also requires the reporting of CIN III and carcinoma in situ of the uterine cervix and has continuously collected these data since becoming a statewide registry in 1985. Learn more at

http://www.michigan.gov/mdch/0,4612,7-132-2944_5323---,00.html.

Cancer Genomics Program



The Cancer Genomics Program is located within the Lifecourse Epidemiology and Genomics Division (LEGEND) in the MDCH Bureau of Disease Control, Prevention and Epidemiology. The MDCH Cancer Genomics Program has received funding from the CDC since 2003 to integrate genomics in public health. Current activities funded by the CDC Division of Cancer Prevention and Control focus primarily on individuals diagnosed with breast cancer at young ages, and their relatives. Cancer Genomics Program staff work closely with internal and external partners to incorporate the use of genomics in public health program activities and cancer surveillance systems. The program facilitates the Michigan Cancer Genetics Alliance, a member organization of MCC. MDCH Genomics staff also provides leadership for a new international consortium to promote universal screening for Lynch syndrome on all newly diagnosed colorectal cancers. Learn more at

http://www.michigan.gov/mdch/0,1607,7-132-2942_4911_4916_47257---,00.html.

Cancer (All Sites)

Bottom Line

According to the American Cancer Society, about 1,638,910 new cancer cases are expected to be diagnosed in 2012.ⁱ In 2012, it is estimated that 577,190 individuals of all ages will die of cancer, second only to heart disease.

What is the Impact?

Table 1 summarizes the incidence and mortality figures for Michigan males and females due to cancer.

Over 52,000 Michigan males and females, including children, were diagnosed with cancer in 2009.

Males had a significantly higher incidence rate of invasive cancer

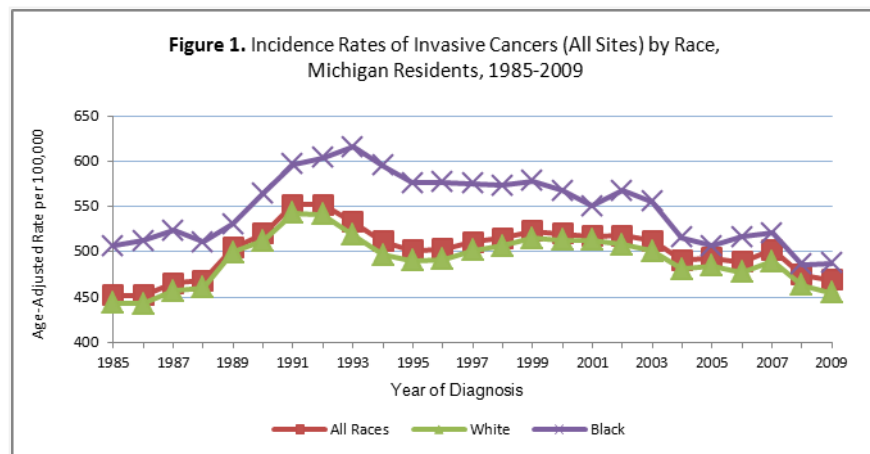
(537.8 cases per 100,000 males) than for females (422 per 100,000 females). Figure 1 shows that

**Table 1. Burden of Invasive Cancers (All Sites) by Sex—
Michigan Residents, 2009-2010***

	Females		Males	
	Number of cases	Rate per 100,000	Number of cases	Rate per 100,000
Incidence (2009)	25,144	422.0	27,229	537.8
Deaths (2010)	9,916	156.9	10,703	218.5

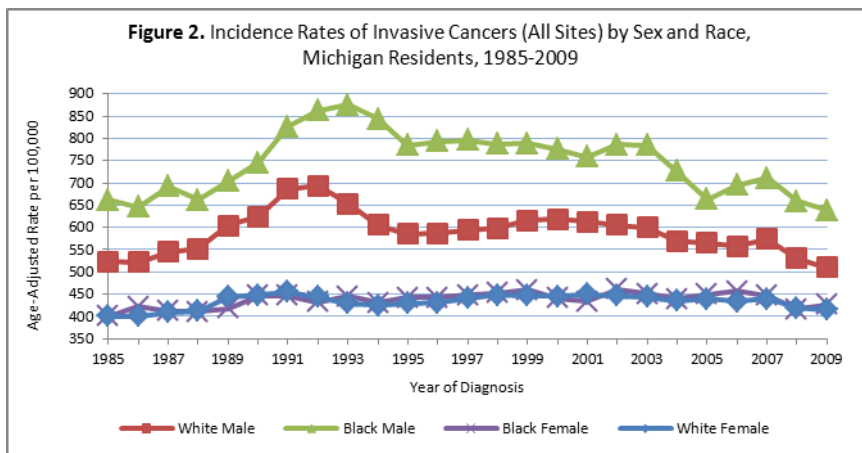
* Age-adjusted

Source: Michigan State Cancer Registry

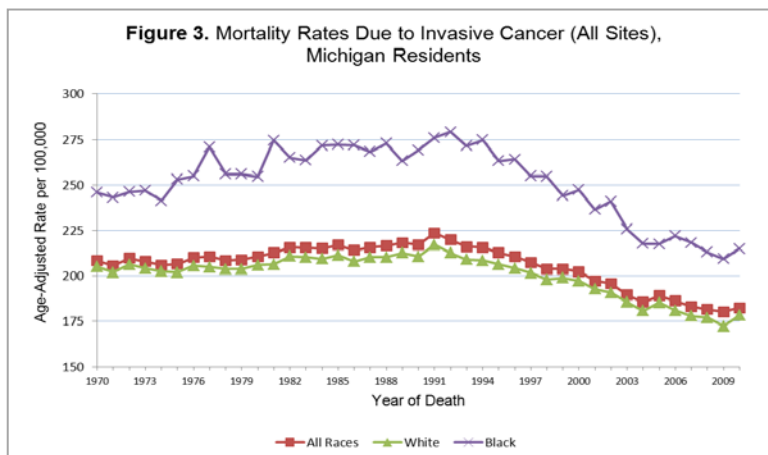


incidence has been decreasing slightly over the past 10 years, with an overall incidence rate of 468.9 cases per 100,000 persons. A slight racial difference exists, with a higher incidence rate, 487.3 cases per 100,000 African Americans in 2009 compared to 455.0 cases per 100,000 in Caucasians.

Figure 2 clearly shows a race and sex difference in cancer incidence in Michigan. African American (426 cases/100,000) and Caucasian (414.7 cases/100,000) females' incidences rates show very little difference. African American males have a significantly higher incidence rate of 639.1 cases per 100,000, 50 percent higher than that of females of either sex. Caucasian males have an



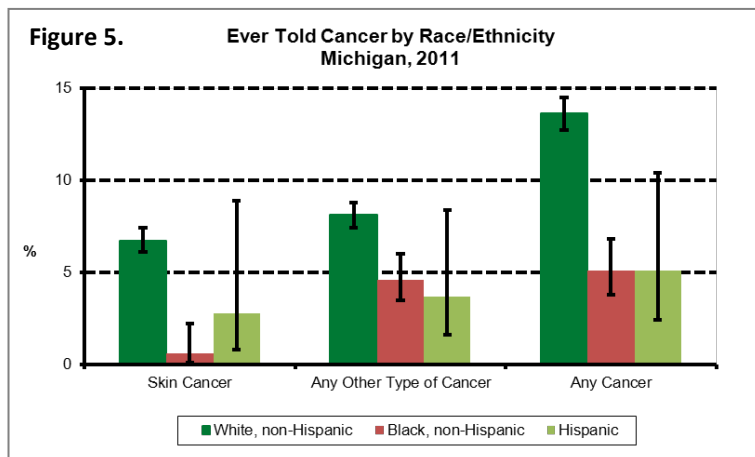
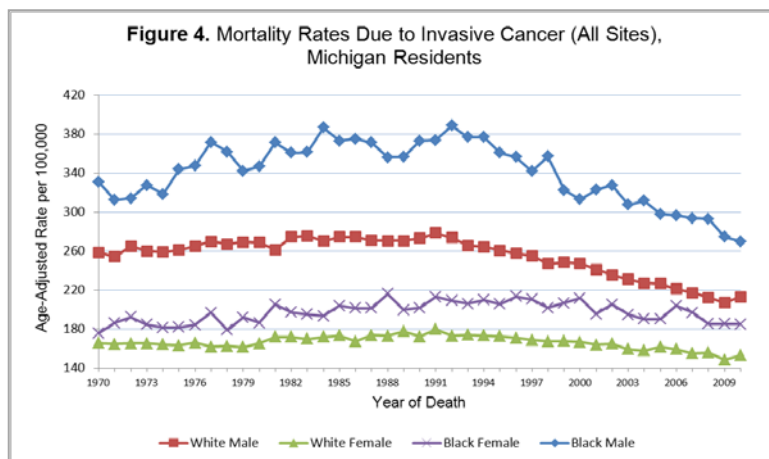
incidence rate of 510.7 cases per 100,000, a bit less than midway between all females and African American males.



During 2010, 20,619 males and females, including children died from invasive cancer, a mortality rate of 182.5 deaths per 100,000 persons. Overall, as can be seen from Figure 3, mortality rates continue to decline for both races. However, African Americans have higher rates than Caucasians, 215.0 deaths per 100,000 compared to 178.3 among

Caucasians.

When looking at Figure 4, these mortality differences by race become more delineated when sex is added as a factor. While mortality shows a decline for each group, the African American males have, by far, the highest mortality rate, 269.7 deaths per 100,000, almost double that of the lowest group, Caucasian females, whose rate is 153 per 100,000. Caucasian males also have a higher mortality rate than all females, 212.9 deaths per 100,000, including African American females whose mortality rate is 184.7 deaths per 100,000.



Who Gets Cancer?

The risk of being diagnosed with cancer increases with age. Most cases occur in adults who are middle aged or older; about 77 percent of all cancers are diagnosed in persons 55 years of age and older. Lifetime risk refers to the probability that an individual will develop or die from cancer over the course of a lifetime. In the US, males have slightly less than a 1 in 2 lifetime risk of developing cancer; for females,

the risk is a little more than 1 in 3.ⁱ

Figure 5 displays the 2011 responses to the question ‘Have you ever been told you have cancer?’ as asked through the Michigan Behavioral Risk Factor Survey.ⁱⁱ As can be seen, over 13 percent of Caucasians reported ever being told they have cancer, including skin, 5 percent each of African American and Hispanics reported this fact also. These totals decrease somewhat when skin cancer, a non-reportable cancer, is removed. Any other cancer types are reported by 8.1 percent of Caucasians, 4.6 percent of African Americans, and 3.7 percent of Hispanics.

Survival

Overall, the one year relative survival rate for all Michigan resident males and females diagnosed in 2009 with all stages of cancer is 73.6 percent. The 5-year survival rate for males and females diagnosed with cancer in 2005 decreases to 64.1 percent. Although it depends on the type of cancer and the treatments available, when cancer is diagnosed at the localized stage, the overall 5-year survival rate is 90.3 percent; at the distant stage, the rate plummets to 23.1 percent.

Cancer survival rates can also be examined by both race and sex. Males and females show little difference in their respective overall 5-year survival rates, 64.9 percent of males surviving compared to a somewhat lower rate of 63.2 percent of females surviving at the 5-year point. Caucasian males and females have a higher 5-year survival rate at 64.0 percent than African American males and females do (a 5-year rate of 55.6 percent).

Differences in the 5-year survival rates appear when examined by race and sex. African American females have the lowest 5-year survival rate of 54.1 percent, with African American males with the next lowest survival rate of 57.2 percent. Caucasian males (64.2 percent) and females (63.8 percent) have a slightly higher 5-year survival rate of about 64 percent.

ⁱ American Cancer Society. Cancer Facts & Figures 2012. Atlanta American Cancer Society, 2012.

ⁱⁱ C Fussman. 2012. Health Risk Behaviors in the State of Michigan: 2011 Behavioral Risk Factor Survey. 25th Annual Report. Lansing, MI: Michigan Department of Community Health, Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology, Surveillance and Program Evaluation Section, Chronic Disease Epidemiology Unit.

Female Cancers of the Breast

Bottom Line

Breast cancer is the second leading cause of cancer death and, excluding skin cancers, the most frequently diagnosed cancer among United States women, affecting 1 in 8.ⁱ An estimated 226,870 new cases of invasive breast cancer and 39,510 breast cancer-related deaths occurred among United States women in 2012.ⁱ An estimated 2,190 new cases of invasive breast cancer and 410 breast cancer-related deaths occurred among United States men in 2012. African American females are at increased risk for poor outcomes relating to breast cancer, in part, because they are more often diagnosed at a younger age, at a later stage of disease, and with more aggressive forms of breast cancer. Beginning at the age of 40, screening mammograms are recommended yearly for females and are shown to significantly increase survival rates.

Table 1. Burden of Invasive Female* Breast Cancer—Michigan Residents, 2009-2010

	Number of cases	Rate per 100,000 Females
Incidence (2009)	7,147	119.8
Deaths (2010)	1,492	23.8

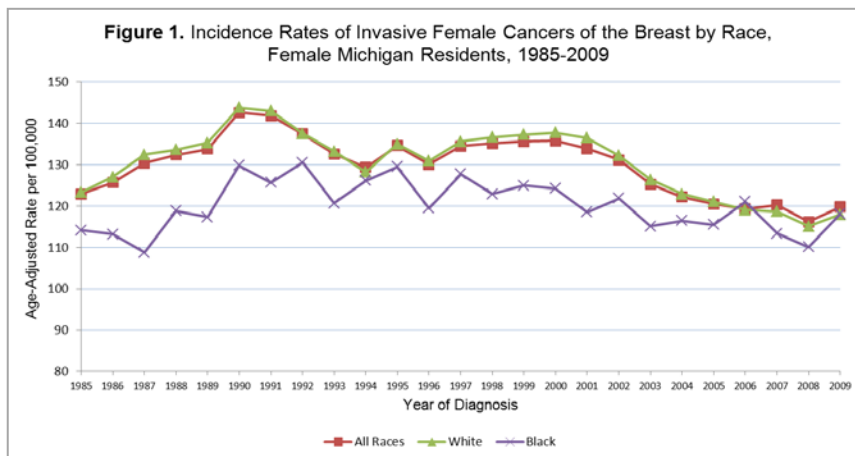
* Age-adjusted

Source: Michigan State Cancer Registry

What is the Impact?

Table 1 summarizes the breast cancer incidence and mortality values for Michigan women.

There were 7,147 new breast cancer cases in Michigan in 2009, with an age-adjusted rate of 119.8 per 100,000 women. As shown in Figure 1, the breast cancer incidence rate has been relatively stable since 2005. Additionally, the breast cancer rates of African American and Caucasian women have followed similar patterns of rising and falling rates but with these rates being higher for Caucasian women than in African



American women. However, this differential has narrowed in the past few years.

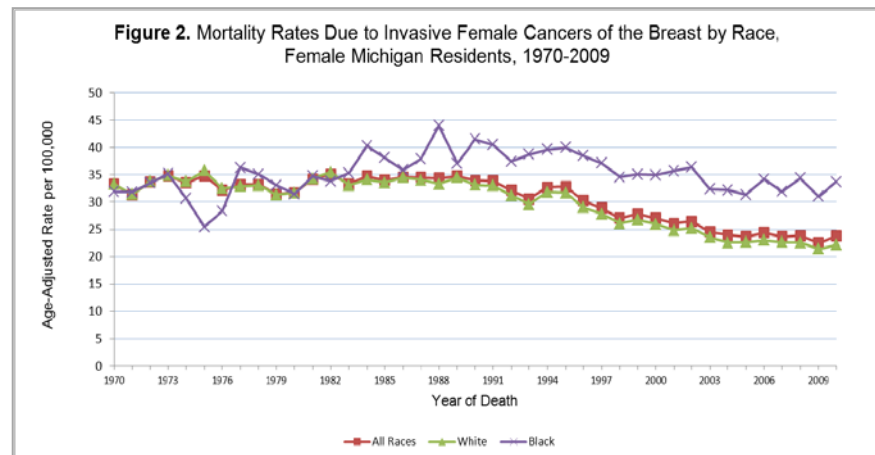
Comparisons to national breast cancer rates from composite National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) data have consistently indicated that the Michigan breast cancer rate has been below national rates since 1996, but are very similar to new data from the Centers for Disease Control (CDC). The CDC data is more likely representative to the nation and so is a better source of comparative data.

Each year, 1,400 to 1,500 Michigan women die of breast cancer. In 2010, 1,492 women died due to breast cancer, a rate of 23.8 deaths per 100,000 women. As can be seen in Figure 2, the death rate has

remained stable since 2004. Breast cancer mortality was much higher for African Americans in 2010 than for Caucasians. The age-adjusted breast cancer mortality rate for African American females was 33.7 in 2010 compared to 22.2 deaths per 100,000 for Caucasian women. This disparity has been increasing over the years.

Who Gets Breast Cancer?

Sex and age are the two greatest risk factors for developing breast cancer. Females have a much greater risk of developing breast cancer than do males (>99% of Michigan cases occur among females) and that risk increases with age.



Can Breast Cancer Be Detected Early?

Yes! Females should have frequent conversations with their health care provider about their risks for breast cancer and how often they should be screened. In general, females should follow these recommendations:

- **Clinical Breast Exams.** Women in their 20s and 30s should have a clinical breast exam by a health care professional every three years. Women 40 and older should have yearly clinical breast exams.
- **Annual Screening Mammograms.** Women, beginning at the age of 40, should have yearly screening mammograms which help detect cancers before a lump can be felt.

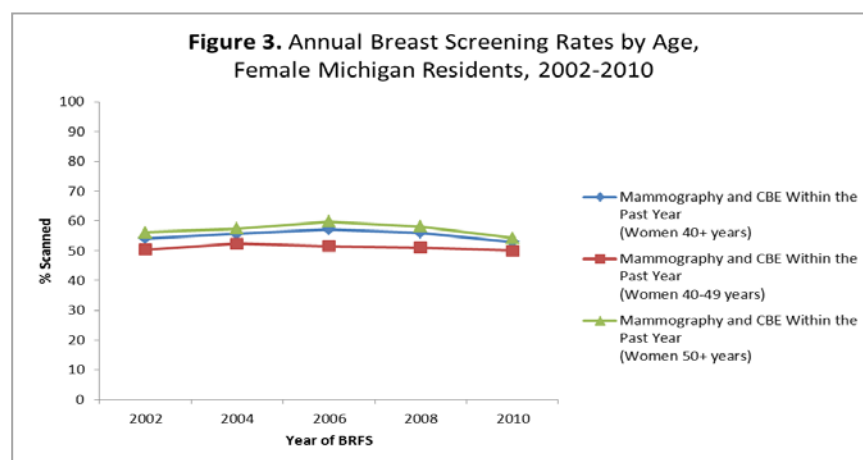
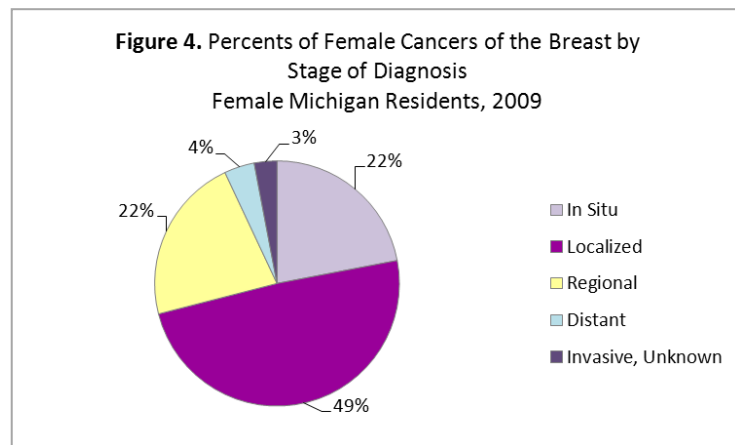


Figure 3 shows the mammography and clinical breast exam screening rates reported by Michigan women through the Behavioral Risk Factor Survey.ⁱⁱ As can be seen, these rates have remained stable over the past 8 years, with no more than 60 percent of women aged 40 and older reporting having had a mammogram and a clinical breast exam in the past year.

What Factors Influence Breast Cancer Survival?

Staging of breast cancer takes into account the number of lymph nodes involved and whether the cancer has moved to a secondary location. When breast cancer is detected early before it develops the ability to be felt, the national five-year survival rate is 98 percent.ⁱ

In 2009, 26.1 percent of newly diagnosed breast cancer cases involved metastatic disease. The proportion of breast cancers diagnosed as in situ, or pre-invasive stage, was 22.3 percent. See Figure 4 for a graphical display of stage at diagnosis breakdowns.



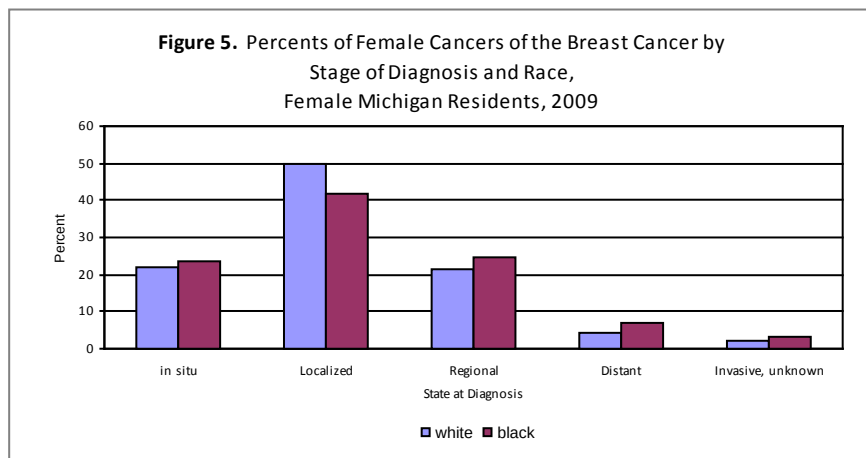
The proportion of Caucasian women diagnosed with metastatic disease was 25.5 percent in 2009. This compares to 31.5 percent for African American women. The trend toward earlier stage at diagnosis has been evident for both Caucasian and African American breast cancer patients but a persistent pattern of higher late stage disease is evident for African Americans, on average 32 percent higher than for whites. This disparity is consistent with the relatively higher breast cancer mortality rate

experienced by African American women, at least 32 percent higher than for Caucasian women. (See Figure 5 for comparisons by race.)

Survival

The one year relative survival rate for Michigan resident women who were diagnosed with breast cancer in 2009 is 95.2 percent. The 5-year survival rate of women diagnosed with breast cancer in 2005 declines somewhat to 88.3 percent.

The value of screening and early detection is particularly evident when the stage at diagnosis is factored into the rate calculation. When a breast cancer is diagnosed at the localized stage, the 5-year survival rate is 97.8 percent; at the distant stage, the rate plummets to 19.1 percent.



African American women face lower overall survival rates from breast cancer than Caucasian women, a 5-year rate of 75.2 percent compared to a 5-year rate of 89.8 percent for Caucasian women. While chances of surviving a diagnosis at the local stage over 5 years is somewhat lower for African American women (90.3 compared to 98.5 percent), significantly lower percentage rates in survival are seen at the regional and distant stages for African American women.

ⁱ American Cancer Society. *Cancer Facts & Figures 2012*. Atlanta American Cancer Society, 2012.

ⁱⁱ C Fussman. 2011. Health Risk Behaviors in the State of Michigan: 2010 Behavioral Risk Factor Survey. 24th Annual Report. Lansing, MI: Michigan Department of Community Health, Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology, Surveillance and Program Evaluation Section, Chronic Disease Epidemiology Unit.

Cancers of the Lung and Bronchus

Bottom Line

Lung cancer is the second most common cancer diagnosed in both men and women. Nationally, it is expected that 226,160 cases of invasive lung cancer will occur in 2012, about 14 percent of all cancer diagnoses. The incidence rate has been declining in men over the past two decades, from a high of 102 (cases per 100,000 men) in 1984 to 72 in 2008. In women, the rate has just begun to decrease after a long period of increase.

Lung cancer accounts for more deaths than any other cancer in both men and women. During 2012, 160,340 deaths due to lung

cancer are expected to occur nationally, 28 percent of all cancer deaths. Lung cancer death rates began declining in men in 1991; death rates in women did not begin declining until 2003. Gender differences in lung cancer mortality patterns reflect historical differences between men and women in the uptake and reduction of cigarette smoking over the past 50 years.ⁱ

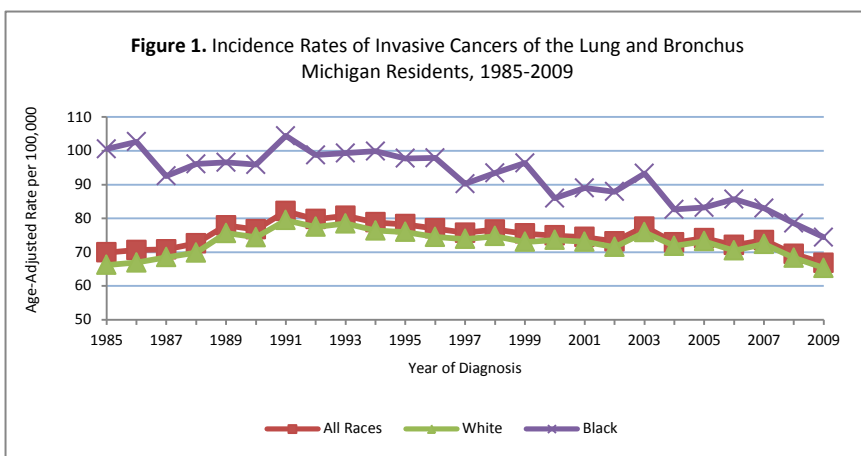
What is the Impact?

Table 1 summarizes the incidence and mortality figures for Michigan men and women due to lung cancer.

Table 1. Burden of Invasive Lung Cancer by Sex— Michigan Residents, 2009-2010*				
	Females		Males	
	Number of cases	Rate per 100,000	Number of cases	Rate per 100,000
Incidence (2009)	3,483	57.3	3,979	80.1
Deaths (2010)	2,687	42.9	3,228	64.7

* Age-adjusted

Source: Michigan State Cancer Registry



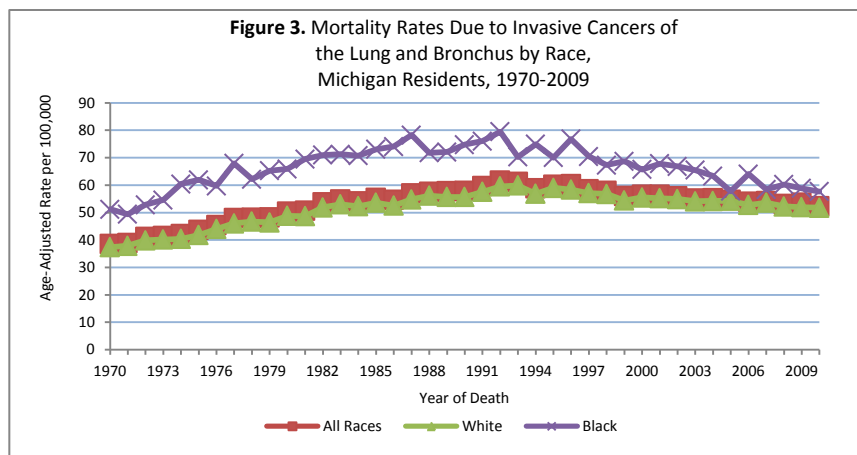
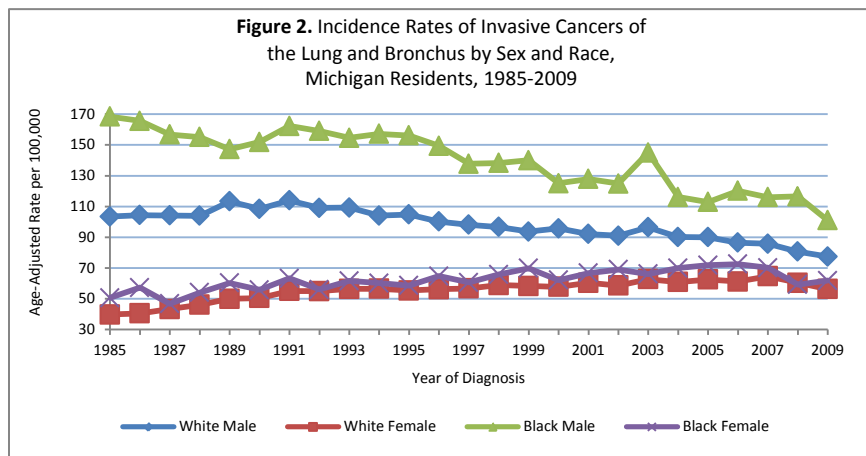
There were 7,469 new lung cancer cases in Michigan in 2009, with an age-adjusted rate of 66.8 per 100,000 persons. As shown in Figure 1, the lung cancer incidence rate has been declining over the last 20 years. There still remains a difference in the incidence rate between Caucasians and African Americans. When examined

by race, African American men have the highest incidence rate, followed by Caucasian males. The lowest incidence rate of lung cancer is in Caucasian women and African American women (Figure 2).

Comparisons to national lung cancer rates from composite National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) data and to new data from the Centers for Disease Control (CDC) indicate that the Michigan lung cancer rate has been higher than national rates.

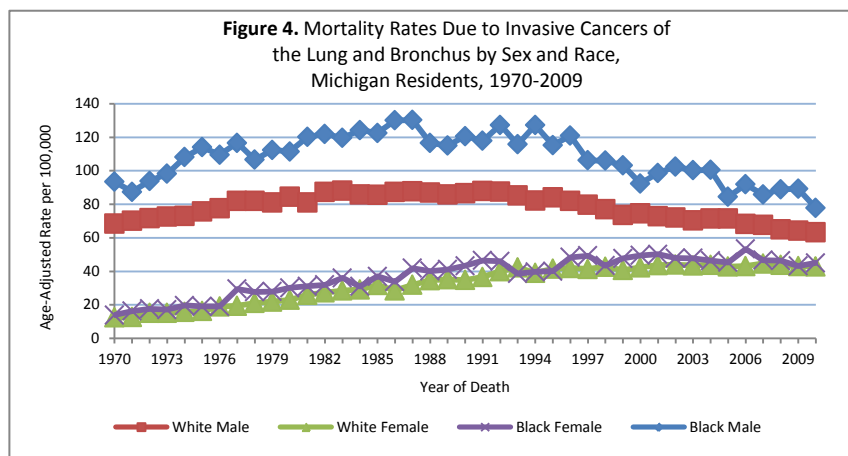
Each year approximately 5,915 Michigan men and women die of lung cancer. In 2010, 2,687 women died due to lung cancer, a rate of 42.9 deaths per 100,000 women and 3,228 men died due to lung cancer, a rate of 64.7

deaths per 100,000 men. As can be seen in Figure 3, the death rate for all races combined, African



Americans and Caucasians is beginning to drop as incidence drops. Lung cancer mortality was slightly higher for African Americans in 2010 than for Caucasians, but appears to be approaching the mortality rate for Caucasians. Figure 4 shows that the lowest mortality rate due to lung cancer is found in Caucasian and African

American women. However, these rates appear to be increasing. The decrease in incidence of lung cancer in women began at a later time period than for men; therefore mortality rates are still increasing. The highest mortality rate occurs in African American men. Caucasian men appear to have lower mortality rates somewhere between the extremes of Caucasian women and African American men. Mortality rates appear to be declining for both Caucasian and African American men.

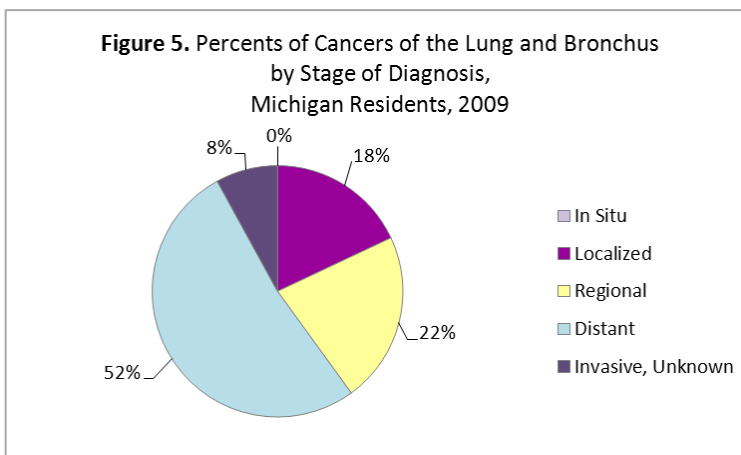


Who Gets Lung Cancer?

The most important risk factor for the development of lung cancer is cigarette smoking; both the number of cigarettes and the length of lifetime spent actively smoking increase the risk. Both cigar and pipe smoking also will increase risk of lung cancer. Exposure to radon gas released from soil and building materials is estimated to be the second leading cause of lung cancer in the United States. Other factors contributing to increased risk include: secondhand smoke exposure (both occupational and environmental), radiation, pollution, asbestos, and some metals and organic chemicals.

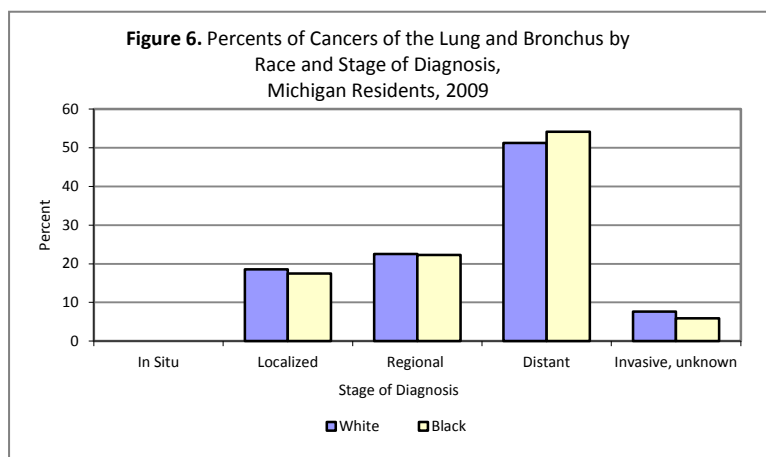
Can Lung Cancer Be Detected Early?

Currently, there is no annual screening test for lung cancer which has been shown to be cost effective for use as a population screening test, e.g., mammography. While chest x-rays can detect lung cancer, yearly use does not reduce mortality due to lung cancer. Newer tests, such as low-dose spiral computed tomography (CT) scans, have produced promising results in detecting lung cancers at earlier, more operable stages in high-risk patients (very heavy former and current smokers), reducing mortality by 20 percent. Current results do not support the population-based screening with CT scans for asymptomatic individuals with a lesser history of tobacco use.



What Factors Influence Lung Cancer Survival?

Staging of lung cancer takes into account the number of lymph nodes involved and whether the cancer has moved to a secondary location. When lung cancer is detected at an early localized stage, the Michigan five-year survival rate is 54.9 percent.



In 2009, 73.9 percent of newly diagnosed lung cancer cases involved metastatic disease. Localized disease accounted for only 18.5 percent, with virtually no lung cancers diagnosed as in situ, or pre-invasive stage. See Figure 5 for a graphic display of stage at diagnosis.

As can be seen in Figure 6, a comparison graph of stage by race, lung cancer is most often diagnosed at the later stages. In particular,

African Americans are more likely to be diagnosed at the distant stage, where the cancer has spread to other organs and less survivable, than Caucasians.

Survival

Overall, the one year relative survival rate for all Michigan resident men and women diagnosed in 2009 with all stages of lung cancer is 41.5 percent. The 5-year survival rate for men and women diagnosed with lung cancer in 2005 decreases to 17.2 percent. The lack of screening and early detection is particularly evident when the stage at diagnosis is factored into the rate calculation. When lung cancer is diagnosed at the localized stage, the 5-year survival rate is 54.9 percent; at the distant stage, the rate plummets to 4.2 percent.

Lung cancer survival rates can also be examined by both race and sex. Men and women show little difference in their respective overall 5-year survival rates, 15.4 percent of men surviving compared to a somewhat better rate of 19.3 percent of women surviving at the 5-year point. Caucasian men and women have a higher 5-year survival rate at 17.5 percent than that of African American men and women (a 5-year rate of 15 percent).

Significant differences in the 5-year survival rates appear when examined by race and sex. African American men have the lowest survival rate of 10.9 percent. Caucasian men have a slightly higher 5-year survival rate of 15.9 percent. Women, both Caucasian (19.2 percent) and African American (19.4 percent), have approximately a 19 percent chance of living 5 years after the diagnosis of lung cancer.

ⁱ American Cancer Society. Cancer Facts & Figures 2012. Atlanta American Cancer Society, 2012.

Cancers of the Prostate Gland

Bottom Line

Prostate cancer is the most commonly diagnosed cancer in men, aside from skin cancer. It is expected that an estimated 271,740 new cases of prostate cancer will be diagnosed nationally in 2012.ⁱ African American men have higher incidence rates than Caucasians. Prostate cancer is the second leading cause of cancer death in men, an estimated 28,170 deaths in 2012. The death rate nationally is decreasing in both Caucasian and African American men, but African American men continue to have rates twice that of Caucasian men.

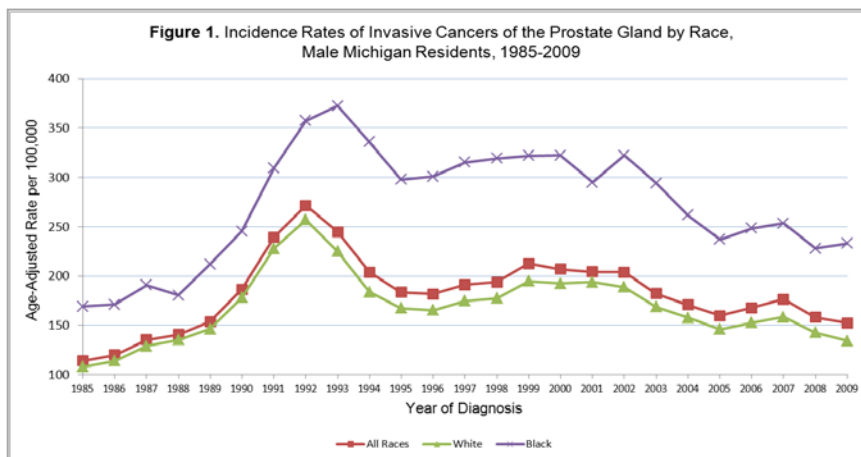
What is the Impact?

Table 1 summarizes the prostate cancer incidence and mortality values for Michigan men.

Table 1. Burden of Invasive Male* Cancers of the Prostate Gland—
Male Michigan Residents, 2009-2010

	Number of cases	Rate per 100,000 Males
Incidence (2009)	8,102	152.5
Deaths (2010)	981	22.0

* Age-adjusted Source: Michigan State Cancer Registry



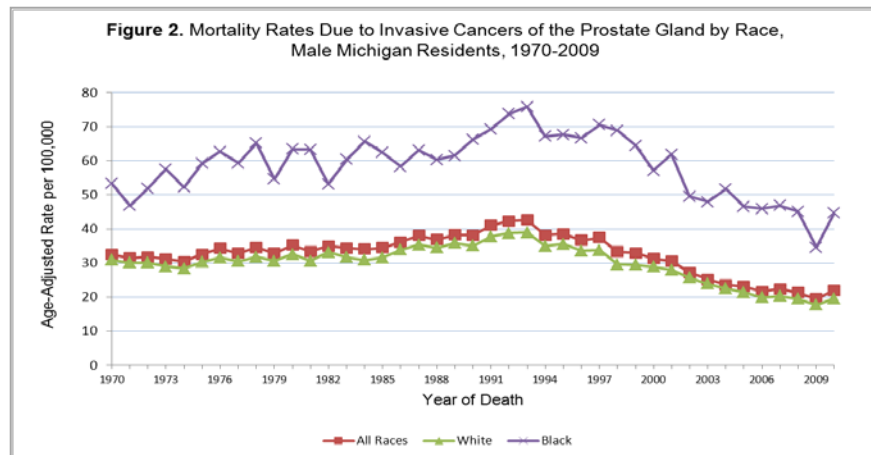
There were 8,102 new prostate cancer cases in Michigan in 2009, with an age-adjusted rate of 152.5 per 100,000 men. As shown in Figure 1, the incidence rate for men overall in Michigan have been declining after a steep increase in the early nineties. Caucasian and African American men's incidence patterns show the

same decline but with a steep difference between the rates. In 2009, African American men had an incidence rate of 233.2 cases per 100,000 African American men; Caucasian men's incidence rate was nearly half that at 134.3 cases per 100,000.

Comparisons to national prostate cancer rates from composite National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) data have consistently indicated that the Michigan prostate cancer rate has been higher than national rates for over 20 years, and continues to be higher than new data from the Centers for Disease Control (CDC). The CDC data is more likely representative to the nation and so is a better source of data.

Each year, approximately 1,000 Michigan men die of prostate cancer. In 2010, 981 men died due to prostate cancer, a rate of 22 deaths per 100,000 men. As can be seen in Figure 2, the death rate has remained stable since 2004. Prostate cancer mortality was almost 2½ times higher for African Americans in 2010 than for

Caucasians. The age-adjusted prostate cancer mortality rate for African American males was 44.7 in 2010 compared to 19.6 deaths per 100,000 for Caucasian men. The size of this disparity has been fluctuating but not disappearing over the past 20 years.



Who Gets Prostate Cancer?

There are three primary risk factors for prostate cancer: increasing age, African ancestry, and family history of prostate cancer. Most diagnosed cases (90 percent) of prostate cancer occur in men 50 years of age and older. Men of African descent have the highest incidence worldwide.

Can Prostate Cancer Be Detected Early?

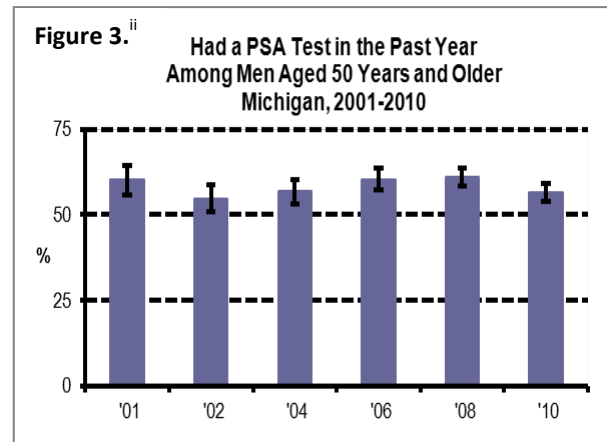
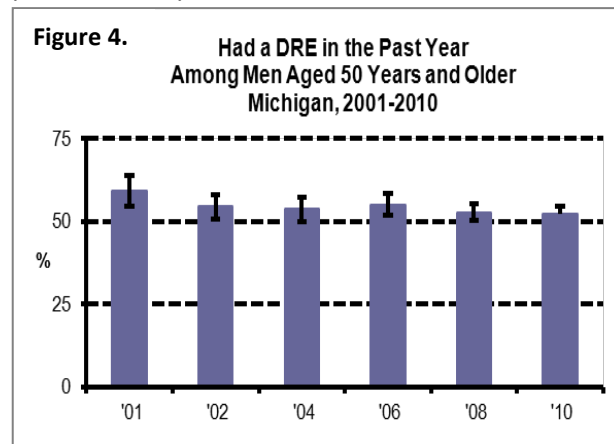
Research has not given a definitive answer to the question of routine screening for early prostate cancer detection with the prostate specific antigen (PSA) test. The Michigan Department of Community Health's Cancer Prevention and Control Section supports the American Cancer Society's recommendations that state:

Beginning at age 50, men who are at average risk of prostate cancer and have a life expectancy of at least 10 years receive information about the potential benefits and known limitations associated with testing for early prostate cancer detection and have an opportunity to make an informed decision about testing. Men at high risk of developing prostate cancer (African Americans or men with a close relative diagnosed with prostate cancer before age 65) should have this discussion with their health care provider beginning at age 45. Men at even higher risk (because they have several close relatives diagnosed with prostate cancer at an early age) should have this discussion with their provider at age 40. All men should be given sufficient information about the benefits and limitations of testing and early detection to allow them to make a decision based on their personal values and preferences.¹

Figure 3ⁱⁱ shows the percent of men 50 years and older who self-report that they have received a PSA in the past year. That percent has fluctuated over the past 10 years and seems to be decreasing somewhat. Figure 4 shows the percent of men 50 years and older who self-report that they have received a digital rectal exam (DRE) in the past year. This exam's rate also seems to be on the decrease and has a lower rate than the more accepted PSA.

What Factors Influence Prostate Cancer Survival?

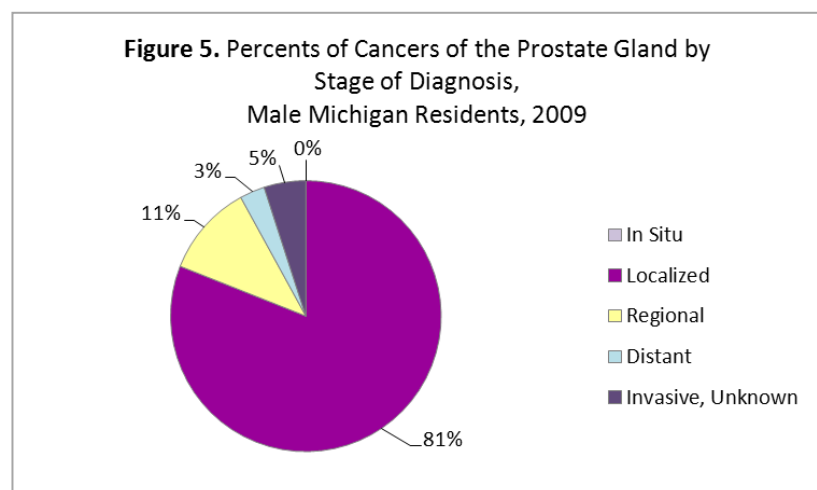
Staging of prostate cancer takes into account the number of lymph nodes involved and whether the cancer has moved to a secondary location. When prostate cancer is detected early, more than 90 percent of all prostate cancers are discovered in the local or regional stages, the 5-year relative survival rate approaches 100 percent. Over the past 25 years, the 5-year relative survival rate for all stages combined has increased from 68 percent to almost 100 percent. As can be seen in Figure 5, 81 percent of all prostate cancers diagnosed in Michigan men in 2009 were found in the localized stage; another 11 percent in the regionalized stage.



The proportion of Caucasian men diagnosed with metastatic disease was 2.9 percent in 2009. This compares to 4.3 percent for African American men. It should be noted that, despite a higher percentage of localized disease found in African American men, 83.4 percent as compared to 81.1 percent in Caucasian men, African American men continue to have a higher overall mortality rate due to prostate cancer. See Figure 6 for comparisons of stage at diagnosis by race.

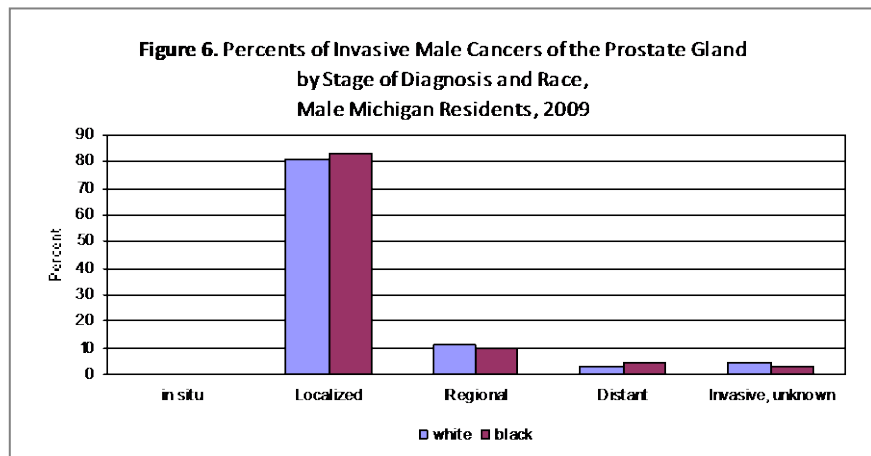
Survival

The one year relative survival rate for Michigan resident men who were diagnosed with prostate cancer in 2009 is 99.9 percent. The 5-year survival rate of men diagnosed with prostate cancer in 2005 declines somewhat to 98.2 percent. The 10-year relative survival rate for Michigan men who were diagnosed with prostate cancer in 2000 is 99.4 percent.



The value of screening and early detection is particularly evident when the stage at diagnosis is factored into the rate calculation. When a prostate cancer is diagnosed at the localized or regional stage, the 5-year survival rate is 100 percent; at the distant stage, the rate plummets to 31.8 percent.

African American men face lower overall survival rates from prostate cancer than Caucasian men, a 5-year rate of 92.6 percent compared to a 5-year rate of 97.7 percent for Caucasian men. Chances of surviving a diagnosis at the local/regional stage over 5 years are somewhat lower for African American men (96.5 percent compared to 100 percent for Caucasian men).



ⁱ American Cancer Society. Cancer Facts & Figures 2012. Atlanta American Cancer Society, 2012.

ⁱⁱ C Fussman. 2011. Health Risk Behaviors in the State of Michigan: 2010 Behavioral Risk Factor Survey. 24th Annual Report. Lansing, MI: Michigan Department of Community Health, Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology, Surveillance and Program Evaluation Section, Chronic Disease Epidemiology Unit.

Cancers of the Colon and Rectum

Bottom Line

Colorectal cancer is the third most common cancer in both men and women. Nationally, it is expected that 103,170 cases of invasive colon cancer and 40,290 cases of rectal cancer will occur in 2012. During 2012, 51,690 deaths due to colorectal cancer are expected to occur, 9 percent of all cancer deaths. The incidence of colorectal cancers has been diminishing over time.

Additionally, the mortality rates of both men and women have been decreasing at approximately 2.5 percent a year. This is largely attributed to the use of improved early detection and screening tests, leading to the decrease in incidence.

Beginning at age 50, men and women of average risk for developing colorectal cancer should begin screening.ⁱ

Table 1. Burden of Invasive Cancers of the Colon and Rectum by Sex—
Michigan Residents, 2009-2010*

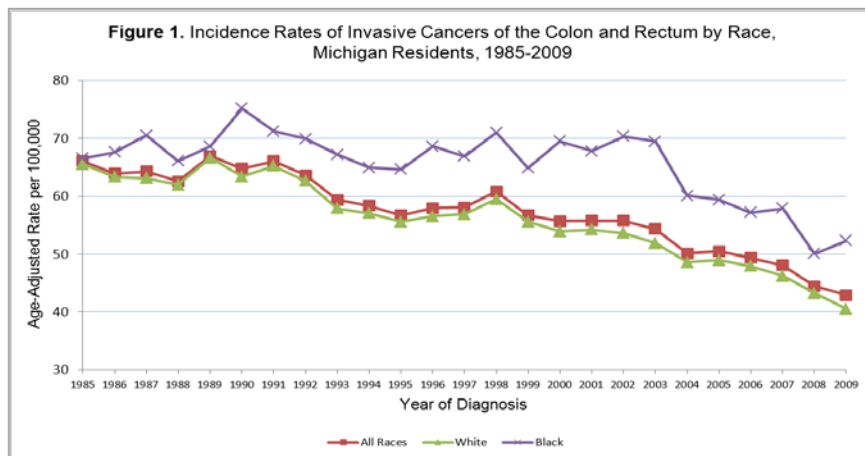
	Female		Male	
	Number of cases	Rate per 100,000	Number of cases	Rate per 100,000
Incidence (2009)	2,416	39.3	2,380	47.7
Deaths (2010)	892	13.9	899	18.6

* Age-adjusted

Source: Michigan State Cancer Registry

What is the Impact?

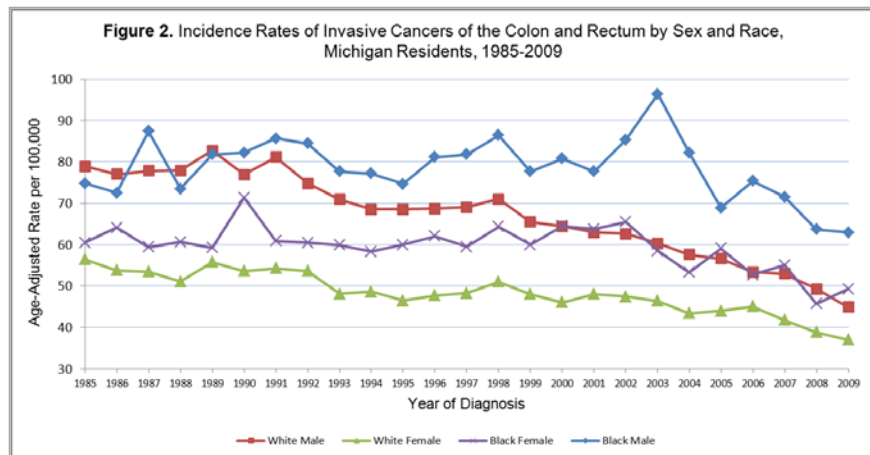
Table 1 summarizes the incidence and mortality figures for Michigan men and women due to cancers of the colon and rectum.



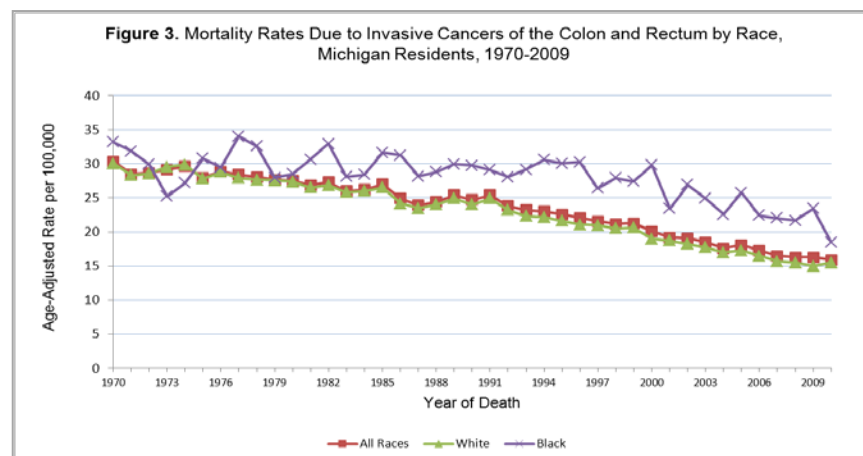
There were 4,802 new colorectal cancer cases in Michigan in 2009, with an age-adjusted rate of 42.9 per 100,000 persons. As shown in Figure 1, the colorectal cancer incidence rate has been declining over the last 20 years. There still remains a difference in the incidence rate between Caucasians and African Americans. When

examined by race, African American men have the highest incidence rate, followed by African American women and Caucasian males. The lowest incidence rate of colorectal cancer is in Caucasian women (Figure 2).

Comparisons to national colorectal cancer rates from composite National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) data and to new data from the Centers for Disease Control (CDC) indicate that the Michigan colorectal cancer rate has been similar to national rates.



Each year approximately 1,800 Michigan men and women die of colorectal cancer. In 2010, 892 women died due to colorectal cancer, a rate of 13.9 deaths per 100,000 women and 899 men died due to

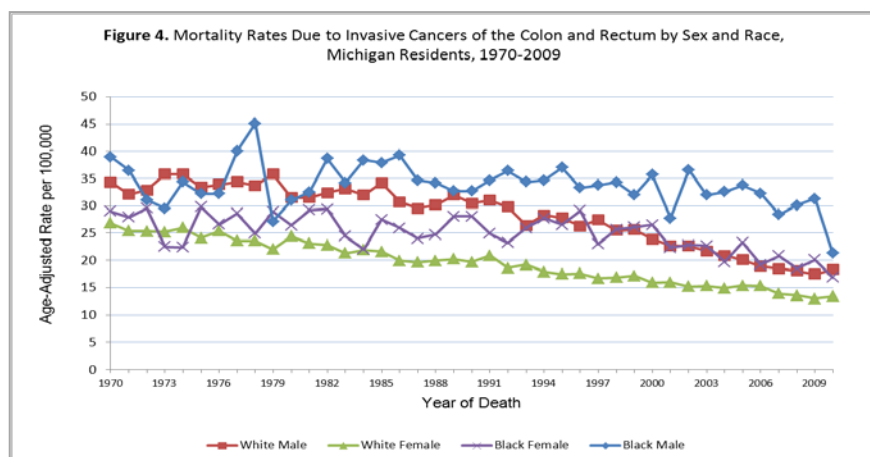


colorectal cancer, a rate of 18.6 deaths per 100,000 men. As can be seen in Figure 3, the death rate for all races and Caucasians decreased significantly over the past 20 years, as incidence drops. Colorectal cancer mortality was higher for African Americans in 2010 than for Caucasians, but appears to be approaching the mortality

rate for Caucasians. Figure 4 shows that the lowest mortality rate due to colorectal cancer is found in Caucasian women, with the highest mortality rate occurring in African American men (although this rate seems to be declining). Caucasian men and African American women have similar mortality rates falling between the extremes of Caucasian women and African American men. Over time, all mortality rates appear to be declining.

Who Gets Cancer of the Colon and Rectum?

Men and women over 50 years of age have the highest risk of being diagnosed with colorectal cancer, with over

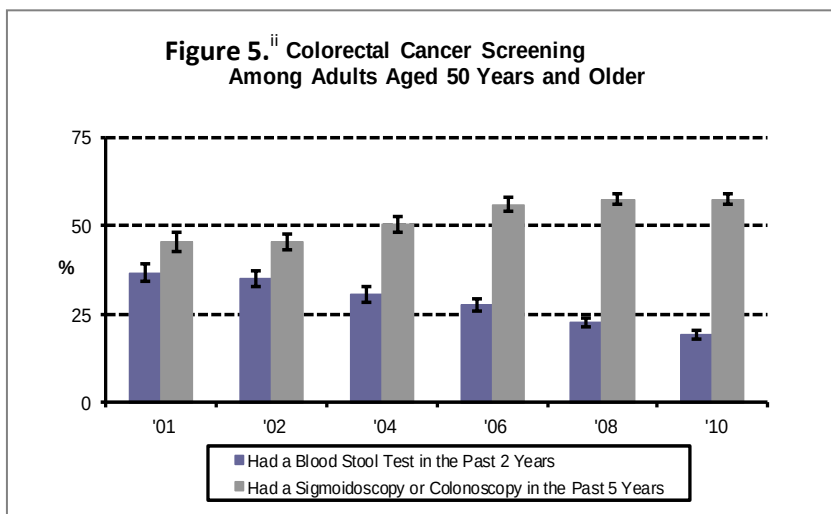


90 percent of all cases occurring in this age group. Other modifiable risk factors include obesity, physical activity, diet, and smoking. Hereditary and medical factors known to increase risk for colorectal cancer include a personal or family history of colorectal cancer or polyps, a personal history of chronic inflammatory bowel disease, and certain inherited genetic conditions such as Lynch syndrome and familial adenomatous polyposis.

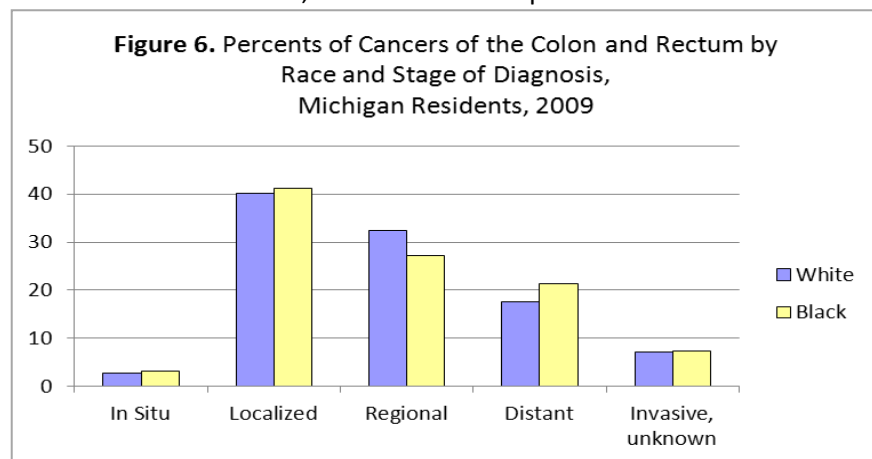
Can Colorectal Cancer Be Detected Early?

Beginning at age 50, men and women at average risk for developing colorectal cancer should be

screened. With regular screening, colorectal polyps can be detected and removed prior to becoming cancerous. Cancerous polyps can be detected and removed at early stages when survival rates are higher. Medical providers should discuss the appropriate type of screening (FOBT, FIT, colonoscopy or sigmoidoscopy) and interval that is appropriate to the individual's risk factors. Figure 5ⁱⁱ shows overall screening rates for Michigan adults 50 years and older using either blood stool test



(FOBT, FIT) in the past 2 years or sigmoidoscopy or colonoscopy in the past 5 years. The use of the blood stool kit has decreased since 2001 while the use of the preferred colonoscopy or sigmoidoscopy has increased. However, this overall self-reported rate has leveled off in recent years. There is no



difference in screening rates between men and women or between Caucasians and African Americans.

The trend toward earlier stage at diagnosis has been evident for both Caucasian and African American colorectal cancer patients. In fact, more colorectal cancers are diagnosed at the localized stage in African Americans.

More Caucasians are diagnosed at the regional stage but a significant disparity is seen at the distant stage where African Americans are more frequently diagnosed. See Figure 6 for a comparison graph of stage by race.

What Factors Influence Colorectal Cancer Survival?

Staging of colorectal cancer takes into account the number of lymph nodes involved and whether the cancer has moved to a secondary location. When colorectal cancer is detected at an early localized stage, the national (and Michigan) five-year survival rate is 90 percent.ⁱ

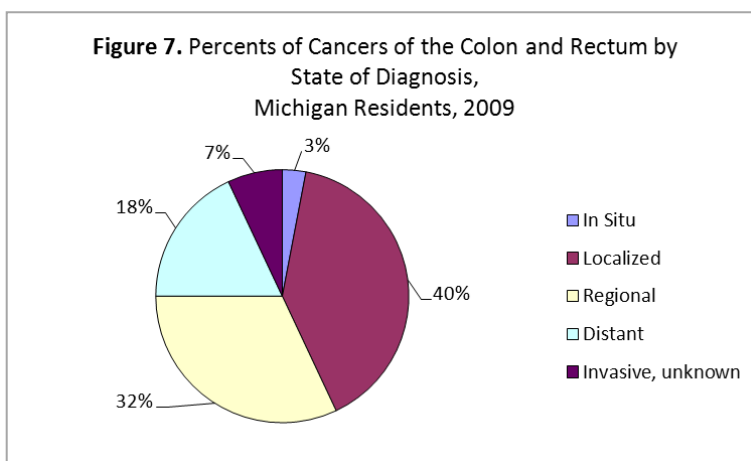
In 2009, 49.5 percent of newly diagnosed colorectal cancer cases involved metastatic disease. Localized disease accounted for 40.2 percent, with the proportion of colorectal cancers diagnosed as in situ, or pre-invasive stage was only 3 percent. See Figure 7 for a graphic display of stage at diagnosis.

Survival

Overall, the one year relative survival rate for all Michigan resident men and women diagnosed in 2009 with all stages of colorectal cancer is 76.7 percent. The 5-year survival rate for men and women diagnosed with colorectal cancer in 2005 decreased to 62.7 percent. The value of screening and early detection is particularly evident when the stage at diagnosis is factored into the rate calculation. When colorectal cancer is diagnosed at the localized stage, the 5-year survival rate is 90.2 percent; at the distant stage, the rate plummets to 8.1 percent.

Colorectal cancer survival rates can also be examined by both race and sex. Men and women show little difference in their respective overall 5-year survival rates, 63.3 percent for men surviving compared to 62.3 percent of women surviving at the 5-year point. Caucasian men and women have a higher 5-year survival rate at 63.2 percent than that of African American men and women (a 5-year rate of 56.3 percent).

Significant differences in the 5-year survival rates appear when examined by race and sex. Caucasian men have the highest 5-year survival rate of 64.7 percent. African American men have the lowest survival rate of 48.9 percent. Women, both Caucasian and African American, have approximately a 62 percent chance of living 5 years after the diagnosis of colorectal cancer. African American men are far more likely to be diagnosed at the regional or distant stage than any other group.



ⁱ American Cancer Society. *Cancer Facts & Figures 2012*. Atlanta: American Cancer Society, 2012.

ⁱⁱ C Fussman. 2011. Health Risk Behaviors in the State of Michigan: 2010 Behavioral Risk Factor Survey. 24th Annual Report. Lansing, MI: Michigan Department of Community Health, Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology, Surveillance and Program Evaluation Section, Chronic Disease Epidemiology Unit.

Cancers of the Uterine Cervix

Bottom Line

Uterine cervical cancer, while not one of the most common cancers in women, is one of the primary cancers which can be prevented through routine screening. Additionally, it is unique in that it is one of the few cancers that has a vaccine available capable of preventing up to 70 percent of cervical cancer if used widely.

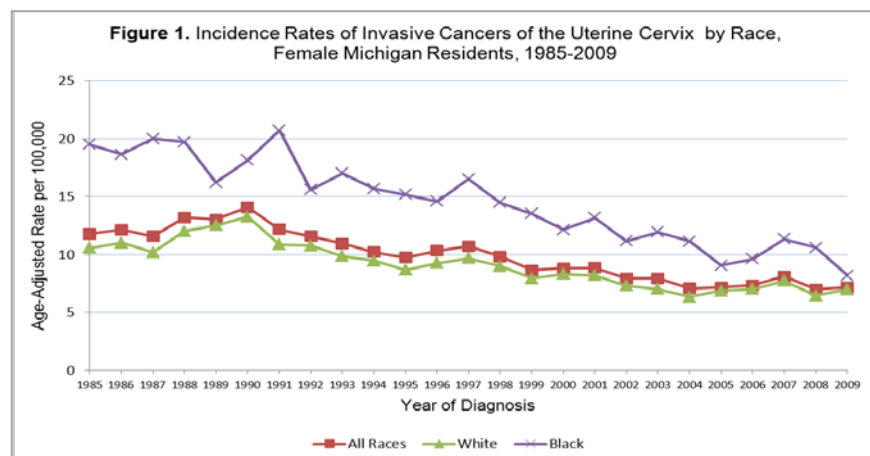
An estimated 12,170 cases of invasive cervical cancer are expected to be diagnosed in 2012 in the United States. In past years, incidence rates have been declining in both Caucasian and African American women. The American Cancer Society notes that the incidence rates have been declining at a rate of 2.1 percent in younger women (under 50) and by 3.1 percent in older women (over 50).ⁱ

Table 1. Burden of In Situ and Invasive Cervical Cancer—Michigan Residents, 2009-2010*

	Number of cases	Rate per 100,000 women
Incidence (2009)	364	7.2
-- Invasive		
Incidence (2009)	2,819	60.4
-- In Situ		
Deaths	126	2.2
-- Invasive (2010)		

* Age-adjusted

Source: Michigan State Cancer Registry

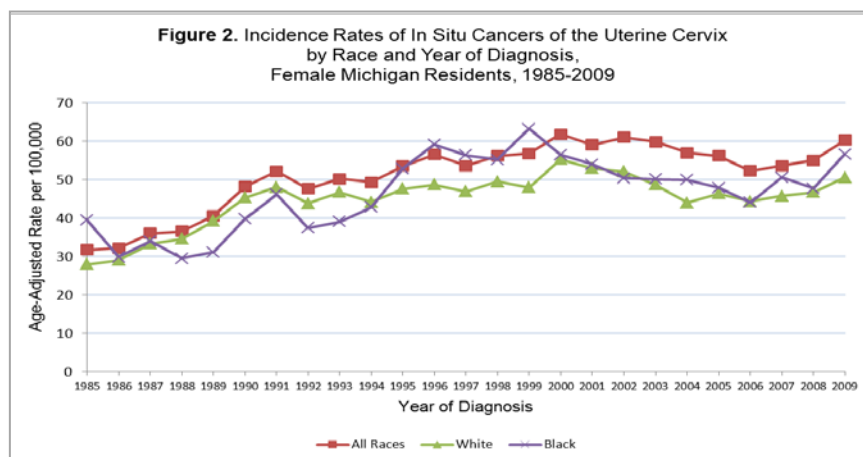


With the introduction of Pap smears as a means of cervical cancer early detection and prevention, mortality rates in United States women have been declining rapidly. An estimated 4,220 deaths due to invasive cervical cancer are expected in 2012.ⁱ The decline in mortality rates has slowed in recent years, showing no changes in Caucasian women but a

continued decrease in African American women at a rate of 2.6 percent per year (2004 to 2008).

What is the Impact?

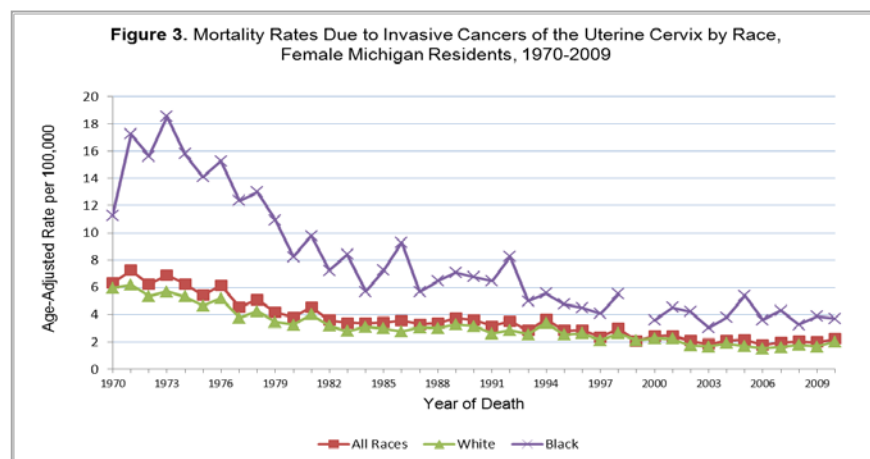
Table 1 summarizes the cervical cancer incidence and mortality values for Michigan women. There were 364 invasive cervical cancer cases in Michigan in 2009, with an age-adjusted rate of 7.2 per



100,000 women. As can be seen in Figure 1, the incidence rate for Michigan Caucasian women has been declining at a slightly faster rate than for African American women but whose rate has equaled that of Caucasians by 2009.

Additionally, due to regular screening patterns in United States women, many more cervical cancers are diagnosed at the in situ, or earlier, stage. In 2009, there were 2,819 in situ cervical cancers diagnosed. As shown in Figure 2, the in situ cervical cancer incidence rate has increased over the years but has been relatively stable since 2005. Additionally, the cervical cancer rates of African American and Caucasian women have followed similar patterns of rising and falling rates but with these rates being higher for African American women than in Caucasian women.

In 2010, 126 Michigan women (see Table 1) died due to invasive cervical cancer, a rate of 2.2 women per 100,000 women. Mortality due to cervical cancer decreased quickly in Michigan beginning in the 1970's and continuing into the 1990's, but plateaued after that, in particular for Caucasian women and women as a whole. African American women continue to have higher mortality rates (3.7 per 100,000 women) than Caucasian women (2.0 per 100,000 women), almost double the rate. See Figure 3 for a graphical display of these rates by race.



Who Gets Cervical Cancer?

The most significant risk factor for cervical cancer is infection by the human papilloma virus (HPV). Persistent HPV infection and progression to cancer may be influenced by many factors, such as cigarette smoking, immunosuppression, and high parity (number of childbirths). Women who begin having sex at an early

age or who have many sexual partners are at increased risk for HPV infection and cervical cancer. Long-term use of oral contraceptives is also associated with increased risk of cervical cancer. There is evidence to suggest that intra-uterine device (IUD) use is associated with a lower risk for cervical cancer.

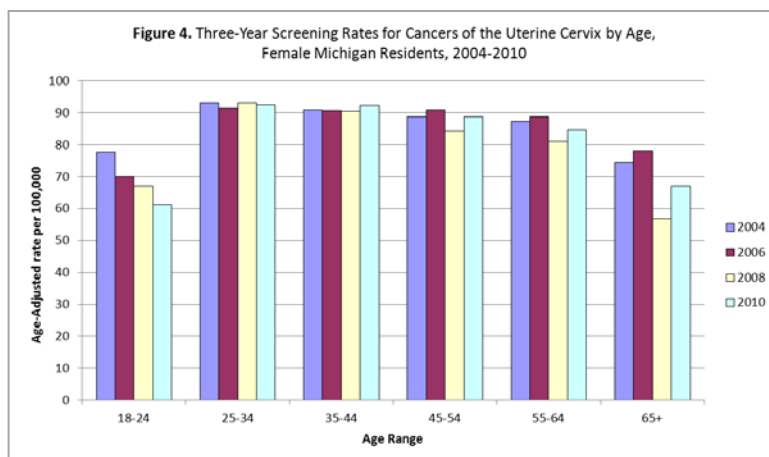
Two vaccines [Cervarix (HPV2) and Gardasil (HPV4)] have been shown to protect against most cervical cancers in women. Gardasil is recommended for use in females and males ages 9 to 26 years. This vaccine also protects against genital warts and has been shown to protect against cancers of the anus (90 percent are due to HPV infection), vagina and vulva.ⁱ Cervarix is approved for use in females ages 9 to 25 years. Neither vaccine protects against all HPV types.

Screening

Routine screening is the most important factor in cervical cancer diagnosis. Screening results in the early detection of precancerous changes in the cervix that may lead to cancer. Screening also detects cervical cancer when it is in its earlier, treatable stage. The Pap test is the most widely used cervical cancer screening test. The Pap test is a simple procedure using a small sample of cells collected from the cervix and which is then microscopically examined.

Depending on risk factors and previous screening result history, screening for cervical cancer through a Pap smear occurs at various intervals. Women should talk to their health care providers for appropriate screening.

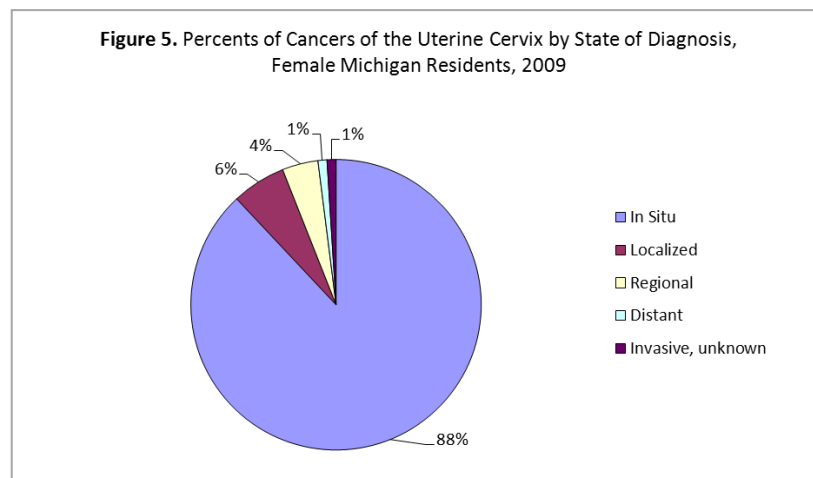
Figure 4 shows that screening rates have remained relatively stable based on the Michigan Behavioral Risk Factor Survey but are significantly lower for older women.ⁱⁱ



What Factors Influence Cervical Cancer Survival?

Staging of cervical cancer takes into account the number of lymph nodes involved and whether the cancer has moved to a secondary location. When cervical cancer is detected early the national five-year survival rate is 91 percent.ⁱ

In 2009, 1.4 percent of newly diagnosed cervical cancer cases in Michigan involved metastatic disease.



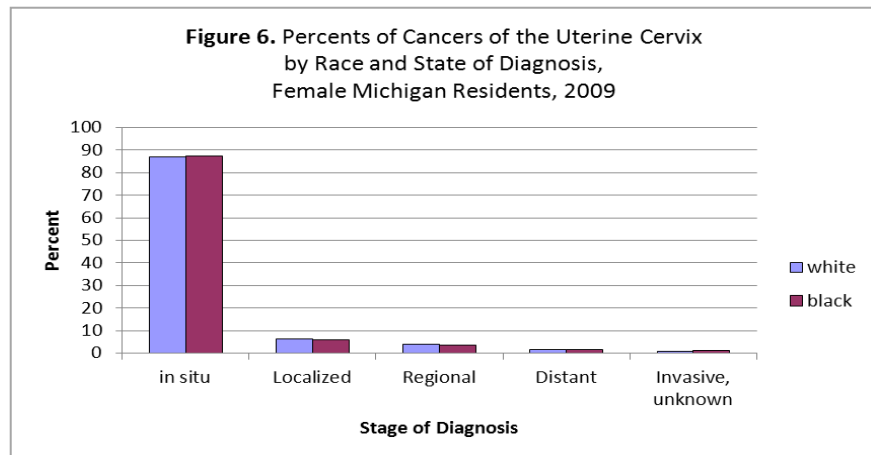
The proportion of cervical cancers diagnosed as in situ, or pre-invasive stage, was 88 percent. Figure 5 displays the relative percent by stage at diagnosis in Michigan resident women.

The trend toward earlier stage at diagnosis has been evident for both Caucasian and African American cervical cancer patients. In fact, more cervical cancers are diagnosed at the in situ stage in African American women.

Survival

The one year relative survival rate for Michigan resident women who were diagnosed with invasive cervical cancer in 2009 is 78.7 percent. The 5-year survival rate of women diagnosed with invasive cervical cancer in 2005 declines somewhat to 67.4 percent.

The value of screening and early detection is particularly evident when the stage at diagnosis is factored into the rate calculation. When a cervical cancer is diagnosed at the localized stage, the 5-year survival rate is 86.7 percent; at the distant stage, the rate plummets to 17.1 percent for those diagnosed in 2004.



African American women face lower overall survival rates from cervical cancer than Caucasian women; a 5-year rate of 63.3 percent compared to a 5-year rate of 67.3 percent for Caucasian women.

ⁱ American Cancer Society. Cancer Facts & Figures 2012. Atlanta American Cancer Society, 2012.

ⁱⁱ C Fussman. 2011. Health Risk Behaviors in the State of Michigan: 2010 Behavioral Risk Factor Survey. 24th Annual Report. Lansing, MI: Michigan Department of Community Health, Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology, Surveillance and Program Evaluation Section, Chronic Disease Epidemiology Unit.

Definitions and Technical Notes

Definitions

Case – With the exceptions noted, a case in this report is defined as a person with any newly diagnosed cancer with a behavior code of 3 (malignant primary site) as listed in the most recently amended International Classification of Diseases for Oncology (ICD-O). Basal, epithelial, papillary and squamous cell carcinomas of the skin from other than a genital area are excluded. If a diagnosis for a carcinoma of the skin is vague, such as only stating carcinoma of the skin, the cell type is assumed to be squamous and thus the cancer is assumed to be non-reportable as a case. However, if a more conclusive diagnosis is received which indicates the case was reportable, the case is reclassified and counted. Several cases may be one person with independent multiple primaries (see definition of multiple primaries below). This is also the standard practice used by the Surveillance, Epidemiology and End Results (SEER) Program of the National Cancer Institute. Both in-situ and invasive urinary bladder cancer cases are included in this report, in order to be consistent with SEER tabulations.

Leading Sites of Cancer – Cases are grouped into 21 site or type categories. Ranks are assigned by organizing these categories according to the number of cases in each category from most frequent to least.

Multiple Primaries – Multiple primaries are independent invasive tumors within one person. The registry utilizes the Independent Primary Determination Procedures developed and used by the SEER program.

Residence – Residence is the usual place of residence for the person to whom the event occurred.

Stage of Disease – Stage represents the extent to which the tumor being reported has spread at the time of diagnosis and is classified in terms of the following levels (Summary Staging Guide, SEER Program; January 2001; NIH Publication No. 01-4969):

- 1) Localized – represents invasive cancer confined to the organ of origin or

intraluminal extension where specified as an intraluminal extension to immediately contiguous segments of the large bowel.

- 2) Regional – represents direct extension to adjacent organs or tissues or involvement of the regional lymph nodes.
- 3) Distant – represents direct continuity to non-adjacent organs, discontinuous metastasis or involvement of the distant lymph nodes.
- 4) Unstaged – represents invasive tumor for which the extent of spread cannot be determined.

Underlying Cause of Death – That condition giving rise to the chain of events leading to death.

Rates, Ratios and Risks

Age-Adjusted Cancer Death Rate – The age-adjusted rate of deaths with cancer as the underlying cause of death.

Age-Adjusted Cancer Incidence Rate – The age-adjusted rate of invasive cancer cases diagnosed in the year(s) specified and reported to the registry by December 29, 2011.

Age-Adjusted Rate – A summary rate that is developed using a standard population distribution to improve the comparability of rates for areas or population subgroups with differing age distributions. When calculated by the direct method, as in this report, age-specific rates for a geographic area or population subgroup are multiplied by the standard population in the specified age groups and the products summed and divided by the total standard population. These rates are presented as per 100,000 population. For this report, the 2000 United States population is used as the standard population.

Age-Specific Cancer Death Rate – The number of resident deaths with cancer as the underlying cause of death occurring in a specified age group divided by the total resident population in the specified age group x 100,000.

Age-Specific Cancer Incidence Rate – The number of new resident cases diagnosed in a specified age group in the year(s) specified and reported to the

registry by December 29, 2011 divided by the total resident population in the specified age group x 100,000.

Relative Survival Rate – Survival rates in this report were calculated using SEER*Stat software. Relative survival is a net measure representing cancer survival in the absence of other causes of death. It is defined as the ratio of the proportion of observed survivors in a cohort of cancer patients to the proportion of expected survivors in a comparable set of cancer free individuals. The formulation is based on the assumption of independent competing causes of death. The relative survival rate adjusts for the general survival rate of the U.S. population for that race, sex, age and date at which the age was coded.

Technical Notes

Age-Adjustment – Age-adjusted rates presented in this publication have been age-adjusted by the direct method to the 2000 United States standard population.

Incomplete Reporting for the Very Old – When age-specific incidence rates for “all sites” fail to show a continuing increase with age, especially for the very old age groups, it is considered to be an indication that registration is less complete in older age ranges than in younger ones. Additionally, as reported by Waterhouse, et al. in *Cancer Incidence in Five Continents*: “It may also reflect of course the pattern of medical care which may not be so good or readily available for the older ages. For certain sites such as lung the turnover of the curve of age-specific rates observed in many registries is due at least in part to a birth cohort phenomenon.”

Registry File Status – The information in this report includes all invasive cancers diagnosed during 1985 through 2009 and processed by December 29, 2011. The data files will be updated annually with new and/or updated information. Subsequent annual reports will reflect the changes in the registry data files.

Reliability of Rates – Rates were considered statistically unreliable if there were fewer than six cases for an age-specific rate or less than twenty cases for an age-adjusted rate.

Residence – Residence is the usual place of residence for the person to whom the event occurred. By convention, a person is assigned to one “primary” residence location for the purpose of counting medical events, even if the person has two or more residences during a year. If this convention is not followed, the incidence of disease will be overestimated.

Surveillance, Epidemiology and End Results (SEER)

Program – The SEER Program is a program funded and coordinated by the National Cancer Institute (NCI), one of the National Institutes of Health within the U.S. Department of Health and Human Services. Through this Program, uniform procedures are used by contracted organizations to collect cancer incidence and survival data from designated population-based registries in various parts of the United States which are then pooled, analyzed and the information published annually by the Surveillance Program within NCI. The geographic areas covered by the SEER program include eight states: Connecticut, Hawaii, Iowa, Kentucky, Louisiana, New Jersey, New Mexico and Utah, and six metropolitan areas: Detroit, Atlanta, Los Angeles, San Francisco-Oakland, San Jose-Monterey and Seattle-Puget Sound. Also included in the SEER registry are Greater Georgia, Greater California, and the Alaska Native Tumor Registry. The SEER/Michigan cases, which are collected and reported to the Michigan Department of Community Health by the Karmanos Cancer Institute, constitute all of the cases that are diagnosed among residents of Macomb, Oakland and Wayne counties and comprise about 42 percent of all Michigan resident cases diagnosed in a typical year.

Health Districts

Central Michigan District Health Department:

Arenac	Gladwin	Osceola
Clare	Isabella	Roscommon

District Health Department No. 2:

Alcona	Ogemaw	Oscoda
Iosco		

District Health Department No. 4:

Alpena	Montmorency	Presque Isle
Cheboygan		

District Health Department No. 10:

Crawford	Mason	Newaygo
Kalkaska	Mecosta	Oceana
Lake	Missaukee	Wexford
Manistee		

Mid-Michigan District Health Department:

Clinton	Gratiot	Montcalm
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Northwest Michigan Community Health

Agency:

Antrim	Emmet	Otsego
Charlevoix		

Western Upper Peninsula District Health Department:

Baraga	Houghton	Ontonagon
Gogebic	Keweenaw	

Economic Development Collaborative Regions

These 10 regions were developed and defined by local partners in an effort to align state service providers.

Region 1:

Alger	Gogebic	Mackinac
Baraga	Houghton	Marquette
Chippewa	Iron	Menominee
Delta	Keweenaw	Ontonagon
Dickinson	Luce	Schoolcraft

Region 2:

Antrim	Grand Traverse	Manistee
Benzie	Kalkaska	Missaukee
Charlevoix	Leelanau	Wexford
Emmet		

Region 3:

Alcona	Iosco	Otsego
Alpena	Montmorency	Presque Isle
Cheboygan	Ogemaw	Roscommon
Crawford	Oscoda	

Region 4:

Allegan	Mason	Newaygo
Barry	Mecosta	Oceana
Ionia	Montcalm	Osceola
Kent	Muskegon	Ottawa
Lake		

Region 5:

Arenac	Gratiot	Saginaw
Bay	Huron	Sanilac
Clare	Isabella	Tuscola
Gladwin	Midland	

Region 6:

Berrien	Cass	St. Joseph
Branch	Kalamazoo	Van Buren
Calhoun		

Region 7:

Clinton	Eaton	Ingham
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Region 8:

Genesee	St. Clair	Shiawassee
Lapeer		

Region 9:

Hillsdale	Lenawee	Monroe
Jackson	Livingston	Washtenaw

Region 10:

Macomb	Oakland	Wayne
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References

The cancer incidence data for Michigan presented in this publication are from:

Michigan Resident Cancer Incidence File. Includes cases diagnosed in 1985-2009 and processed by the Michigan Department of Community Health, Division for Vital Records and Health Statistics by December 29, 2011.

The cancer mortality data for Michigan presented in this publication are from:

1985 - 2010 Michigan Resident Death Files, Michigan Department of Community Health, Division for Vital Records and Health Statistics.

The national data labeled CDC presented in this publication are from the National Program of Cancer Registries and their publication:

U.S. Cancer Statistics Working Group. United States Cancer Statistics: 1999 - 2008 Incidence and Mortality Web-based Report. Atlanta: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; 2012. Available at: www.cdc.gov/uscs.

The cancer incidence data labeled SEER and the mortality data labeled National are from the National Cancer Institute's Surveillance, Epidemiology and End Results program and were found in:

SEER Cancer Statistics Review, 1975 - 2009, National Cancer Institute, Bethesda, MD, 2012.

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Cancer Incidence, Mortality and Survival Tables

A: Cancers (All Sites)

A.1.

Numbers of Invasive Cancers (All Sites) and
Age-Adjusted Incidence Rates by Year of Diagnosis,
Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	36,665	451.8 ±4.3	448.8	---
1986	36,981	451.6 ±4.3	451.4	---
1987	38,715	465.5 ±4.3	468.0	---
1988	39,361	468.1 ±4.3	463.8	---
1989	42,770	504.8 ±4.4	467.7	---
1990	44,669	520.1 ±4.4	481.9	---
1991	48,026	551.8 ±4.5	503.0	---
1992	49,000	552.3 ±4.5	510.5	---
1993	47,979	533.0 ±4.4	493.3	---
1994	46,631	511.9 ±4.3	483.3	---
1995	46,331	501.9 ±4.2	476.7	---
1996	47,093	503.1 ±4.2	478.8	---
1997	48,387	510.7 ±4.2	486.2	---
1998	49,351	515.1 ±4.2	487.9	---
1999	50,654	523.0 ±4.2	490.1	482.7
2000	51,164	520.2 ±4.2	485.5	483.5
2001	51,715	517.6 ±4.1	489.0	490.4
2002	52,640	517.7 ±4.1	486.5	485.9
2003	52,989	512.1 ±4.0	473.6	475.0
2004	51,948	490.8 ±3.9	473.9	474.3
2005	52,534	493.4 ±3.9	469.2	472.9
2006	52,993	488.6 ±3.9	471.7	474.8
2007	55,139	502.6 ±3.9	476.6	475.3
2008	52,589	474.9 ±3.8	468.8	462.1
2009	52,406	468.9 ±3.8	464.9	---

--- Not available

A.2.

Numbers of Invasive Cancers (All Sites) and
Age-Adjusted Incidence Rates by Year of Diagnosis,
Male Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	18,436	539.8 ±7.0	531.3	---
1986	18,469	537.1 ±7.0	538.2	---
1987	19,580	561.9 ±7.1	563.2	---
1988	19,893	565.2 ±7.0	558.4	---
1989	21,774	615.8 ±7.2	567.0	---
1990	22,951	639.7 ±7.3	592.6	---
1991	25,647	703.3 ±7.4	637.3	---
1992	26,846	716.7 ±7.4	658.0	---
1993	26,140	681.8 ±7.2	621.9	---
1994	24,796	635.7 ±7.0	589.5	---
1995	24,072	608.5 ±6.8	571.3	---
1996	24,554	610.7 ±6.8	572.1	---
1997	25,097	616.7 ±6.7	575.2	---
1998	25,495	618.8 ±6.7	572.4	---
1999	26,573	635.1 ±6.7	580.2	573.2
2000	27,097	636.6 ±6.7	579.1	574.9
2001	27,274	630.2 ±6.6	579.8	583.5
2002	27,725	628.3 ±6.6	573.1	578.6
2003	27,873	624.7 ±6.5	557.8	562.5
2004	27,187	594.8 ±6.3	555.0	559.4
2005	27,199	585.0 ±6.2	545.3	553.9
2006	27,658	583.4 ±6.2	550.2	557.4
2007	29,162	601.9 ±6.2	559.9	558.0
2008	27,558	556.7 ±6.0	539.1	532.6
2009	27,229	537.8 ±5.9	526.6	---

--- Not available

A.3.

Numbers of Invasive Cancers (All Sites) and
Age-Adjusted Incidence Rates by Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	18,229	402.3 ±5.6	403.2	---
1986	18,510	405.2 ±5.6	402.3	---
1987	19,134	411.5 ±5.6	413.3	---
1988	19,467	413.8 ±5.5	409.2	---
1989	20,994	442.3 ±5.7	408.3	---
1990	21,712	450.2 ±5.7	415.4	---
1991	22,376	458.1 ±5.7	418.9	---
1992	22,148	445.7 ±5.6	414.8	---
1993	21,836	434.2 ±5.4	408.2	---
1994	21,834	429.4 ±5.4	413.4	---
1995	22,256	432.9 ±5.4	414.6	---
1996	22,536	432.9 ±5.4	417.8	---
1997	23,286	442.3 ±5.4	428.2	---
1998	23,845	448.7 ±5.4	433.6	---
1999	24,077	448.6 ±5.4	430.2	422.7
2000	24,064	443.7 ±5.3	421.7	422.0
2001	24,435	446.2 ±5.3	426.5	427.1
2002	24,903	449.4 ±5.3	427.3	422.2
2003	25,090	447.0 ±5.2	416.0	415.3
2004	24,748	437.1 ±5.2	418.0	415.7
2005	25,325	443.1 ±5.2	416.8	417.0
2006	25,328	438.8 ±5.2	416.3	417.0
2007	25,958	444.8 ±5.2	417.1	416.8
2008	24,989	424.2 ±5.1	419.6	412.9
2009	25,144	422.0 ±5.1	422.0	---

--- Not available

A.4.

Age-Adjusted Incidence Rates of
Invasive Cancers (All Sites) by Race,
Michigan Residents, 1985-2009

Year of Diagnosis	All Races	White	Black
1985	451.8	443.2	506.4
1986	451.6	442.4	512.1
1987	465.5	456.9	523.7
1988	468.1	460.7	511.0
1989	504.8	499.5	531.0
1990	520.1	512.1	565.1
1991	551.8	543.2	596.6
1992	552.3	541.7	604.3
1993	533.0	518.8	615.9
1994	511.9	496.5	595.7
1995	501.9	490.0	576.0
1996	503.1	491.9	576.6
1997	510.7	501.7	575.7
1998	515.1	506.9	573.5
1999	523.0	515.0	578.4
2000	520.2	513.3	567.7
2001	517.6	513.2	550.7
2002	517.7	507.8	568.0
2003	512.1	501.2	555.3
2004	490.8	481.4	515.7
2005	493.4	484.9	506.7
2006	488.6	477.5	516.3
2007	502.6	489.6	521.1
2008	474.9	463.0	486.0
2009	468.9	455.0	487.3

A.5.

Age-Adjusted Incidence Rates
of Invasive Cancers (All Sites) by Sex and Race,
Michigan Residents, 1985-2009

Year of Diagnosis	White Male	White Female	Black Male	Black Female
1985	523.7	400.2	661.4	400.4
1986	522.4	401.1	645.9	422.3
1987	545.1	409.9	692.4	411.6
1988	551.6	412.3	661.1	410.0
1989	603.7	443.3	703.2	417.5
1990	625.0	448.1	745.8	446.7
1991	686.1	456.0	827.1	446.5
1992	693.5	444.5	862.5	432.0
1993	653.7	429.9	876.2	444.9
1994	605.9	424.4	843.9	431.5
1995	584.7	429.7	784.8	442.0
1996	587.4	430.3	793.9	442.4
1997	594.7	441.5	796.0	448.5
1998	598.7	448.0	787.7	452.3
1999	615.8	447.1	788.4	459.9
2000	618.0	444.9	776.2	441.1
2001	613.4	449.6	758.7	434.1
2002	605.2	446.3	785.8	461.8
2003	599.4	443.4	785.1	450.4
2004	569.8	434.7	726.8	439.1
2005	564.8	439.9	663.6	450.1
2006	557.9	434.4	695.7	456.7
2007	573.2	439.9	710.6	447.0
2008	530.7	419.6	659.0	415.9
2009	510.7	414.7	639.1	426.0

A.6.

Numbers of Deaths Due to Invasive Cancers (All Sites)
and Age-Adjusted Mortality Rates by Year,
Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	17,281	217.0 ±3.0	211.4
1986	17,321	214.1 ±2.9	211.8
1987	17,669	215.6 ±2.9	211.9
1988	17,890	216.5 ±2.9	212.6
1989	18,264	218.2 ±2.9	214.3
1990	18,413	217.2 ±2.9	214.9
1991	19,204	223.6 ±2.9	215.1
1992	19,217	219.8 ±2.8	213.5
1993	19,187	216.0 ±2.8	213.4
1994	19,410	215.7 ±2.8	211.7
1995	19,442	212.6 ±2.7	209.9
1996	19,563	210.6 ±2.7	207.0
1997	19,504	207.3 ±2.6	203.6
1998	19,442	203.8 ±2.6	200.8
1999	19,673	203.8 ±2.6	200.7
2000	19,764	202.3 ±2.6	198.8
2001	19,608	197.3 ±2.5	196.1
2002	19,831	195.8 ±2.5	194.0
2003	19,574	189.5 ±2.4	190.5
2004	19,654	185.5 ±2.4	186.4
2005	20,077	189.1 ±2.4	184.7
2006	20,166	186.2 ±2.4	181.6
2007	20,060	183.1 ±2.3	178.7
2008	20,159	181.5 ±2.3	175.8
2009	20,174	180.3 ±2.3	173.1
2010	20,619	182.5 ±2.3	---

--- Not available

A.7.

Numbers of Deaths Due to Invasive Cancers (All Sites)
and Age-Adjusted Mortality Rates by Year,
Male Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	9,249	283.1 ±5.1	275.7
1986	9,408	283.7 ±5.1	276.0
1987	9,421	279.8 ±5.1	276.3
1988	9,470	278.5 ±5.0	276.9
1989	9,595	279.5 ±5.0	278.5
1990	9,821	283.2 ±4.9	279.8
1991	10,091	288.4 ±4.9	279.2
1992	10,238	285.6 ±4.8	276.5
1993	10,066	277.5 ±4.7	275.9
1994	10,194	276.0 ±4.7	272.1
1995	10,120	270.7 ±4.6	268.5
1996	10,172	267.4 ±4.5	263.8
1997	10,125	263.4 ±4.4	258.1
1998	10,094	257.5 ±4.4	253.6
1999	10,133	255.2 ±4.3	252.8
2000	10,193	253.3 ±4.2	248.4
2001	10,176	248.7 ±4.2	244.8
2002	10,181	243.6 ±4.1	241.4
2003	10,107	237.1 ±4.0	235.6
2004	10,198	235.5 ±4.0	230.1
2005	10,307	233.3 ±3.9	228.1
2006	10,297	228.4 ±3.9	222.7
2007	10,346	224.7 ±3.8	219.5
2008	10,372	220.1 ±3.7	215.6
2009	10,471	217.8 ±3.7	211.9
2010	10,703	218.5 ±3.7	---

--- Not available

A.8.

Numbers of Deaths Due to Invasive Cancers (All Sites)
and Age-Adjusted Mortality Rates by Year,
Female Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	8,030	176.1 ±3.6	171.0
1986	7,913	170.8 ±3.6	171.6
1987	8,247	176.2 ±3.6	171.5
1988	8,420	177.3 ±3.6	172.5
1989	8,662	180.0 ±3.6	174.2
1990	8,583	175.8 ±3.5	174.6
1991	9,113	183.4 ±3.5	175.3
1992	8,979	177.4 ±3.4	174.4
1993	9,120	177.7 ±3.4	174.6
1994	9,215	177.5 ±3.4	174.1
1995	9,322	176.7 ±3.4	173.4
1996	9,391	175.6 ±3.3	171.2
1997	9,379	173.6 ±3.3	169.0
1998	9,348	170.9 ±3.2	166.9
1999	9,539	172.4 ±3.2	167.2
2000	9,571	171.4 ±3.2	166.7
2001	9,432	167.2 ±3.2	164.4
2002	9,650	168.9 ±3.1	163.0
2003	9,467	163.3 ±3.1	160.7
2004	9,456	161.7 ±3.1	157.3
2005	9,770	165.2 ±3.1	155.8
2006	9,869	165.1 ±3.1	153.9
2007	9,714	160.3 ±3.0	151.2
2008	9,787	159.4 ±3.0	148.4
2009	9,703	155.7 ±2.9	146.4
2010	9,916	156.9 ±2.9	---

--- Not available

A.9.

Age-Adjusted Mortality Rates of
Invasive Cancers (All Sites) by Race,
Michigan Residents, 1970-2010

Year of Diagnosis	All Races	White	Black
1970	208.3	205.0	245.9
1971	205.5	201.9	243.2
1972	209.8	206.3	246.3
1973	207.9	204.2	247.0
1974	205.9	202.6	241.4
1975	206.5	201.9	253.1
1976	210.1	205.6	254.9
1977	210.6	204.9	271.0
1978	208.5	203.7	255.9
1979	208.7	203.8	255.9
1980	210.7	206.0	254.6
1981	212.5	206.3	274.6
1982	215.7	210.9	264.9
1983	215.5	210.2	263.6
1984	215.2	209.3	271.7
1985	217.0	211.4	272.3
1986	214.1	207.8	271.8
1987	215.6	210.2	268.2
1988	216.5	210.3	273.0
1989	218.2	212.5	263.1
1990	217.2	210.7	269.1
1991	223.6	217.2	276.1
1992	219.8	212.5	279.2
1993	216.0	209.0	271.4
1994	215.7	208.4	274.8
1995	212.6	206.4	263.2
1996	210.6	204.1	264.1
1997	207.3	201.6	254.9
1998	203.8	198.0	254.7
1999	203.8	198.9	244.1
2000	202.3	197.2	247.3
2001	197.3	192.8	236.5
2002	195.8	190.8	241.0
2003	189.5	185.5	225.6
2004	185.5	180.9	217.6
2005	189.1	185.3	217.5
2006	186.2	180.9	222.0
2007	183.1	178.0	218.2
2008	181.5	177.0	212.9
2009	180.3	172.4	209.4
2010	182.5	178.3	215.0

A.10.

Age-Adjusted Mortality Rates of
Invasive Cancers (All Sites) by Sex and Race,
Michigan Residents, 1970-2010

Year of Diagnosis	White Male	White Female	Black Male	Black Female
1970	258.6	165.5	330.3	175.7
1971	254.0	164.4	312.3	186.3
1972	264.7	165.3	313.9	192.1
1973	259.9	165.2	327.2	184.6
1974	258.9	164.1	318.0	181.3
1975	260.8	163.1	343.8	181.8
1976	264.9	166.0	347.4	184.1
1977	269.8	161.6	371.5	196.7
1978	267.0	162.3	361.6	178.8
1979	269.2	161.2	342.0	191.8
1980	268.6	165.2	346.6	186.4
1981	261.3	172.0	371.2	205.2
1982	274.1	171.8	360.6	197.0
1983	275.4	169.9	361.4	194.9
1984	270.0	171.9	386.6	193.3
1985	274.2	173.3	372.9	203.8
1986	274.2	167.2	374.9	201.5
1987	270.7	173.5	371.0	201.2
1988	270.5	172.8	356.0	215.9
1989	270.5	177.3	356.5	199.4
1990	272.7	172.2	372.8	201.6
1991	278.6	179.6	373.6	213.0
1992	273.7	173.0	388.6	208.9
1993	265.5	174.0	376.6	205.7
1994	264.2	173.4	376.6	209.9
1995	260.6	172.6	360.6	205.5
1996	257.5	170.8	356.3	213.1
1997	254.9	168.8	341.8	210.6
1998	246.9	167.3	357.1	201.7
1999	248.2	167.8	322.2	206.5
2000	247.2	166.6	312.9	211.5
2001	241.1	163.9	322.8	195.4
2002	235.5	164.7	327.1	205.1
2003	230.7	159.3	307.4	194.6
2004	226.8	157.8	311.5	190.2
2005	226.6	161.7	297.9	190.3
2006	220.9	159.3	296.5	203.9
2007	217.1	155.1	293.4	196.7
2008	212.1	155.8	293.0	185.2
2009	206.9	148.4	274.3	185.1
2010	212.9	153.0	269.7	184.7

A.11.

Numbers and Percents of Cancers (All Sites)
by Stage and Year of Diagnosis,
Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	39,503	3,126	7.9	13,643	34.5	7,480	18.9	8,269	20.9	6,985	17.7
1986	39,982	3,299	8.3	13,390	33.5	7,508	18.8	8,309	20.8	7,476	18.7
1987	42,135	3,728	8.8	14,058	33.4	7,462	17.7	8,373	19.9	8,514	20.2
1988	42,843	3,786	8.8	14,408	33.6	8,736	20.4	8,614	20.1	7,299	17.0
1989	46,583	4,131	8.9	14,914	32.0	8,664	18.6	8,739	18.8	10,135	21.8
1990	48,987	4,735	9.7	16,602	33.9	8,939	18.2	8,900	18.2	9,811	20.0
1991	52,607	4,980	9.5	19,017	36.1	9,335	17.7	9,257	17.6	10,018	19.0
1992	53,481	5,011	9.4	20,483	38.3	9,710	18.2	9,321	17.4	8,956	16.7
1993	52,672	5,227	9.9	19,786	37.6	9,584	18.2	9,287	17.6	8,788	16.7
1994	51,416	5,416	10.5	19,094	37.1	9,327	18.1	8,899	17.3	8,680	16.9
1995	51,543	5,913	11.5	19,168	37.2	9,341	18.1	8,930	17.3	8,191	15.9
1996	52,674	6,286	11.9	20,425	38.8	9,360	17.8	9,405	17.9	7,198	13.7
1997	53,974	6,362	11.8	20,994	38.9	9,603	17.8	9,797	18.2	7,218	13.4
1998	55,363	6,851	12.4	21,608	39.0	9,806	17.7	9,712	17.5	7,386	13.3
1999	56,882	7,080	12.4	23,062	40.5	9,859	17.3	9,369	16.5	7,512	13.2
2000	57,812	7,602	13.1	23,068	39.9	9,873	17.1	9,748	16.9	7,521	13.0
2001	58,517	7,920	13.5	23,000	39.3	9,883	16.9	10,444	17.8	7,270	12.4
2002	59,816	8,280	13.8	23,662	39.6	10,339	17.3	10,811	18.1	6,724	11.2
2003	59,746	7,842	13.1	22,807	38.2	10,058	16.8	11,085	18.6	7,954	13.3
2004	58,462	7,656	13.1	22,052	37.7	9,796	16.8	10,542	18.0	8,416	14.4
2005	59,177	7,968	13.5	22,593	38.2	9,994	16.9	11,871	20.1	6,751	11.4
2006	59,449	7,678	12.9	23,124	38.9	10,439	17.6	12,275	20.6	5,933	10.0
2007	61,670	7,811	12.7	24,963	40.5	10,518	17.1	12,914	20.9	5,464	8.9
2008	59,313	7,960	13.4	23,679	39.9	10,305	17.4	12,030	20.3	5,339	9.0
2009	59,576	8,425	14.1	24,140	40.5	10,329	17.3	12,077	20.3	4,605	7.7

A.12.

Numbers and Percents of Cancers (All Sites)
by Stage and Year of Diagnosis,
White Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	34,245	2,551	7.4	12,110	35.4	6,480	18.9	6,956	20.3	6,148	18.0
1986	34,564	2,720	7.9	11,846	34.3	6,515	18.8	6,879	19.9	6,604	19.1
1987	36,465	3,088	8.5	12,434	34.1	6,416	17.6	6,966	19.1	7,561	20.7
1988	37,170	3,173	8.5	12,832	34.5	7,637	20.5	7,188	19.3	6,340	17.1
1989	40,596	3,512	8.7	13,225	32.6	7,604	18.7	7,299	18.0	8,956	22.1
1990	42,388	3,940	9.3	14,719	34.7	7,791	18.4	7,342	17.3	8,596	20.3
1991	45,463	4,068	8.9	16,797	36.9	8,135	17.9	7,707	17.0	8,756	19.3
1992	46,023	4,102	8.9	18,054	39.2	8,375	18.2	7,745	16.8	7,747	16.8
1993	44,983	4,324	9.6	17,299	38.5	8,199	18.2	7,738	17.2	7,423	16.5
1994	43,601	4,402	10.1	16,564	38.0	7,940	18.2	7,357	16.9	7,338	16.8
1995	43,924	4,825	11.0	16,580	37.7	8,040	18.3	7,494	17.1	6,985	15.9
1996	44,780	5,017	11.2	17,744	39.6	7,999	17.9	7,851	17.5	6,169	13.8
1997	46,092	5,138	11.1	18,344	39.8	8,279	18.0	8,167	17.7	6,164	13.4
1998	47,323	5,578	11.8	18,912	40.0	8,311	17.6	8,137	17.2	6,385	13.5
1999	48,507	5,682	11.7	20,162	41.6	8,457	17.4	7,806	16.1	6,400	13.2
2000	49,421	6,218	12.6	20,055	40.6	8,459	17.1	8,186	16.6	6,503	13.2
2001	50,223	6,603	13.1	19,999	39.8	8,530	17.0	8,717	17.4	6,374	12.7
2002	50,595	6,693	13.2	20,346	40.2	8,734	17.3	9,029	17.8	5,793	11.4
2003	50,259	6,171	12.3	19,520	38.8	8,478	16.9	9,186	18.3	6,904	13.7
2004	49,007	5,938	12.1	18,802	38.4	8,393	17.1	8,887	18.1	6,987	14.3
2005	49,821	6,349	12.7	19,292	38.7	8,463	17.0	10,009	20.1	5,708	11.5
2006	49,763	6,140	12.3	19,495	39.2	8,804	17.7	10,196	20.5	5,128	10.3
2007	51,505	6,284	12.2	20,861	40.5	8,869	17.2	10,758	20.9	4,733	9.2
2008	49,449	6,341	12.8	19,856	40.2	8,751	17.7	9,982	20.2	4,519	9.1
2009	49,324	6,657	13.5	20,102	40.8	8,729	17.7	10,088	20.5	3,748	7.6

A.13.

Numbers and Percents of Cancers (All Sites)
by Stage and Year of Diagnosis,
Black Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	4,607	370	8.0	1,361	29.5	925	20.1	1,240	26.9	711	15.4
1986	4,699	337	7.2	1,345	28.6	908	19.3	1,355	28.8	754	16.0
1987	4,975	408	8.2	1,455	29.2	946	19.0	1,359	27.3	807	16.2
1988	4,918	370	7.5	1,410	28.7	1,009	20.5	1,371	27.9	758	15.4
1989	5,245	391	7.5	1,503	28.7	984	18.8	1,371	26.1	996	19.0
1990	5,685	465	8.2	1,646	29.0	1,080	19.0	1,478	26.0	1,016	17.9
1991	6,102	528	8.7	1,936	31.7	1,121	18.4	1,456	23.9	1,061	17.4
1992	6,242	483	7.7	2,062	33.0	1,218	19.5	1,490	23.9	989	15.8
1993	6,475	498	7.7	2,121	32.8	1,268	19.6	1,455	22.5	1,133	17.5
1994	6,494	559	8.6	2,127	32.8	1,267	19.5	1,455	22.4	1,086	16.7
1995	6,454	672	10.4	2,284	35.4	1,179	18.3	1,327	20.6	992	15.4
1996	6,659	752	11.3	2,379	35.7	1,257	18.9	1,425	21.4	846	12.7
1997	6,768	794	11.7	2,369	35.0	1,209	17.9	1,522	22.5	874	12.9
1998	6,833	802	11.7	2,406	35.2	1,363	19.9	1,458	21.3	804	11.8
1999	7,063	867	12.3	2,537	35.9	1,286	18.2	1,447	20.5	926	13.1
2000	7,002	823	11.8	2,621	37.4	1,292	18.5	1,440	20.6	826	11.8
2001	6,914	803	11.6	2,618	37.9	1,216	17.6	1,583	22.9	694	10.0
2002	7,267	817	11.2	2,739	37.7	1,439	19.8	1,593	21.9	679	9.3
2003	7,248	763	10.5	2,626	36.2	1,366	18.8	1,701	23.5	792	10.9
2004	7,024	745	10.6	2,478	35.3	1,185	16.9	1,478	21.0	1,138	16.2
2005	6,928	742	10.7	2,515	36.3	1,310	18.9	1,626	23.5	735	10.6
2006	7,264	785	10.8	2,654	36.5	1,387	19.1	1,852	25.5	586	8.1
2007	7,404	802	10.8	2,834	38.3	1,364	18.4	1,868	25.2	536	7.2
2008	6,990	766	11.0	2,663	38.1	1,256	18.0	1,760	25.2	545	7.8
2009	7,203	875	12.1	2,864	39.8	1,260	17.5	1,653	22.9	551	7.6

A.14.

Numbers and Percents of Invasive Cancers (All Sites)
by Race and First Course of Treatment,
Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	19,391	37.0	16,490	37.7	2,160	33.8
Radiation	2,764	5.3	2,262	5.2	414	6.5
Chemotherapy	2,811	5.4	2,315	5.3	410	6.4
Hormone Therapy	423	0.8	319	0.7	82	1.3
Immunotherapy	20	0.0	19	0.0	0	0.0
Surgery & Radiation	1,936	3.7	1,703	3.9	164	2.6
Surgery & Chemotherapy	4,626	8.8	3,945	9.0	520	8.1
Surgery & Hormone Therapy	905	1.7	792	1.8	72	1.1
Surgery & Immunotherapy	221	0.4	202	0.5	11	0.2
Radiation & Chemotherapy	2,650	5.1	2,279	5.2	311	4.9
Radiation & Hormone Therapy	616	1.2	500	1.1	96	1.5
Radiation & Immunotherapy	3	0.0	3	0.0	0	0.0
Chemotherapy & Hormone Therapy	453	0.9	393	0.9	50	0.8
Chemotherapy & Immunotherapy	6	0.0	6	0.0	0	0.0
Hormone Therapy & Immunotherapy	1	0.0	1	0.0	0	0.0
Surgery, Radiation & Chemotherapy	1,970	3.8	1,730	4.0	176	2.8
Surgery, Radiation & Hormone Therapy	1,242	2.4	1,119	2.6	81	1.3
Surgery, Radiation & Immunotherapy	3	0.0	3	0.0	0	0.0
Surgery, Chemotherapy & Hormone Therapy	577	1.1	497	1.1	64	1.0
Surgery, Chemotherapy & Immunotherapy	38	0.1	34	0.1	3	0.0
Surgery, Hormone Therapy & Immunotherapy	1	0.0	1	0.0	0	0.0
Radiation, Chemotherapy & Hormone Therapy	135	0.3	129	0.3	4	0.1
Radiation, Chemotherapy & Immunotherapy	3	0.0	3	0.0	0	0.0
Chemotherapy, Hormone Therapy & Immunotherapy	3	0.0	3	0.0	0	0.0
Surgery, Radiation, Chemotherapy & Hormone Therapy	398	0.8	359	0.8	26	0.4
Surgery, Radiation, Chemotherapy & Immunotherapy	3	0.0	3	0.0	0	0.0
Surgery, Chemotherapy, Hormone Therapy & Immunotherapy	6	0.0	6	0.0	0	0.0
Unknown	3,027	5.8	2,427	5.5	311	4.9
None	8,174	15.6	6,240	14.3	1,445	22.6
Total	52,406	100.0	43,783	100.0	6,400	100.0

A.15.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	75.3	0.2	76.9	0.1	94.4	0.2	96.0	0.1	78.8	0.5	79.7	0.3	43.5	0.6	42.1	0.3	58.4	0.6	59.3	0.4
1996	75.0	0.2	77.5	0.1	94.3	0.2	96.1	0.1	77.6	0.5	79.9	0.3	43.2	0.6	42.5	0.3	55.4	0.7	60.7	0.4
1997	76.1	0.2	78.1	0.1	94.9	0.2	96.3	0.1	77.4	0.5	80.8	0.3	43.8	0.6	42.5	0.3	60.3	0.7	60.8	0.4
1998	76.7	0.2	78.6	0.1	94.8	0.2	96.3	0.1	80.4	0.5	81.7	0.3	42.7	0.6	42.8	0.3	60.3	0.7	61.1	0.4
1999	77.6	0.2	79.2	0.1	95.2	0.2	96.2	0.1	80.4	0.5	81.4	0.3	41.8	0.6	43.5	0.3	60.7	0.7	61.6	0.4
2000	77.9	0.2	78.2	0.1	95.6	0.2	95.5	0.1	79.2	0.5	80.5	0.2	44.5	0.6	42.7	0.2	60.0	0.7	62.2	0.2
2001	78.3	0.2	78.7	0.1	96.0	0.2	95.6	0.1	79.0	0.5	80.6	0.2	47.0	0.5	43.1	0.2	61.0	0.7	61.6	0.3
2002	79.1	0.2	79.0	0.1	96.2	0.2	95.7	0.1	81.4	0.4	81.0	0.2	48.5	0.5	43.2	0.2	58.7	0.7	62.6	0.3
2003	76.6	0.2	78.7	0.1	96.3	0.2	95.5	0.1	81.6	0.4	81.2	0.2	47.3	0.5	43.8	0.2	49.0	0.7	62.7	0.3
2004	77.6	0.2	79.2	0.1	96.7	0.2	95.6	0.1	84.1	0.4	82.4	0.2	52.5	0.6	45.4	0.2	46.5	0.6	62.8	0.3
2005	78.4	0.2	79.5	0.1	96.3	0.2	95.7	0.1	82.3	0.4	82.5	0.2	47.0	0.5	45.6	0.2	61.0	0.7	63.4	0.3
2006	79.4	0.2	80.0	0.1	96.3	0.2	95.9	0.1	83.5	0.4	83.0	0.2	49.0	0.5	46.0	0.2	61.4	0.8	63.1	0.3
2007	79.0	0.2	80.3	0.1	96.4	0.2	95.7	0.1	83.8	0.4	83.1	0.2	49.4	0.5	46.1	0.2	50.2	0.9	63.8	0.3
2008	79.8	0.2	80.4	0.1	96.1	0.2	95.9	0.1	84.1	0.4	83.5	0.2	49.9	0.5	47.1	0.2	56.5	0.9	64.3	0.3
2009	73.6	0.3	75.0	0.1	95.1	0.3	94.5	0.1	80.8	0.6	81.3	0.2	44.6	0.7	43.5	0.2	42.2	1.1	55.5	0.3

A.16.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	63.6	0.3	65.6	0.1	89.7	0.3	91.1	0.2	60.7	0.6	60.7	0.3	24.6	0.5	22.6	0.3	44.9	0.7	44.9	0.4
1996	63.5	0.3	66.6	0.1	89.5	0.3	91.6	0.2	59.5	0.6	61.8	0.3	24.7	0.5	22.9	0.3	42.4	0.7	46.8	0.4
1997	65.1	0.3	67.5	0.1	90.2	0.3	92.0	0.2	60.2	0.6	62.4	0.3	26.0	0.5	23.3	0.3	47.9	0.7	47.4	0.4
1998	65.8	0.3	68.2	0.1	90.6	0.3	91.9	0.2	62.3	0.6	64.3	0.3	24.7	0.5	23.4	0.3	48.3	0.7	48.0	0.4
1999	67.3	0.3	69.1	0.1	91.3	0.3	92.3	0.2	63.0	0.6	64.4	0.3	24.0	0.5	23.3	0.3	48.7	0.7	48.4	0.4
2000	67.9	0.3	67.9	0.1	91.9	0.3	91.2	0.1	62.6	0.6	63.2	0.2	26.9	0.5	23.0	0.2	48.2	0.8	49.4	0.3
2001	68.8	0.3	68.6	0.1	93.0	0.3	91.3	0.1	62.8	0.6	63.3	0.2	29.5	0.5	23.7	0.2	51.5	0.7	49.1	0.3
2002	69.7	0.3	69.1	0.1	93.6	0.3	91.5	0.1	66.0	0.6	64.5	0.2	30.9	0.5	23.8	0.2	46.6	0.8	50.1	0.3
2003	66.9	0.3	68.6	0.1	93.2	0.3	91.2	0.1	65.5	0.6	64.6	0.2	30.0	0.5	24.6	0.2	38.3	0.7	50.4	0.3
2004	67.5	0.3	69.1	0.1	92.8	0.3	91.5	0.1	68.4	0.6	66.0	0.2	32.6	0.5	25.5	0.2	37.3	0.6	50.6	0.3
2005	68.4	0.3	69.4	0.1	92.6	0.3	91.6	0.1	66.7	0.6	66.8	0.2	28.8	0.5	25.5	0.2	51.4	0.8	51.3	0.3
2006	69.4	0.3	70.1	0.1	92.6	0.3	91.8	0.1	68.5	0.6	67.1	0.2	31.0	0.5	25.8	0.2	50.0	0.9	50.8	0.3
2007	68.9	0.3	70.0	0.1	93.0	0.3	91.5	0.1	67.9	0.6	66.6	0.2	29.9	0.5	25.5	0.2	42.0	0.9	50.5	0.3

A.17.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.2	0.3	61.4	0.2	87.1	0.4	88.2	0.2	53.7	0.6	52.9	0.4	19.0	0.5	17.3	0.3	40.7	0.7	40.4	0.4
1996	59.2	0.3	62.5	0.2	86.4	0.4	88.6	0.2	52.7	0.6	54.8	0.4	19.7	0.5	17.2	0.3	38.5	0.7	41.9	0.4
1997	60.8	0.3	63.4	0.2	87.6	0.4	89.2	0.2	53.4	0.6	55.4	0.4	20.5	0.5	17.3	0.3	43.3	0.8	42.9	0.4
1998	61.6	0.3	64.1	0.2	88.1	0.4	89.3	0.2	55.4	0.6	56.7	0.3	19.5	0.5	17.7	0.3	43.9	0.8	43.3	0.4
1999	63.9	0.3	65.3	0.2	89.9	0.3	89.9	0.2	56.8	0.6	57.7	0.3	18.9	0.5	17.3	0.3	44.9	0.8	43.9	0.4
2000	64.5	0.3	64.0	0.1	90.2	0.3	88.4	0.2	56.7	0.6	56.4	0.2	21.9	0.5	17.4	0.2	44.8	0.8	44.7	0.3
2001	65.0	0.3	64.9	0.1	91.1	0.3	88.7	0.2	55.8	0.6	56.6	0.2	24.0	0.5	18.2	0.2	47.8	0.8	44.7	0.3
2002	66.0	0.3	65.3	0.1	92.0	0.3	89.0	0.2	59.5	0.6	57.5	0.2	24.9	0.5	18.1	0.2	42.8	0.8	45.5	0.3
2003	63.1	0.3	64.7	0.1	91.0	0.3	88.6	0.2	59.0	0.6	57.8	0.2	24.1	0.5	18.5	0.2	35.6	0.7	46.3	0.3
2004	63.4	0.3	65.2	0.1	90.5	0.3	88.8	0.2	61.8	0.6	59.3	0.2	26.2	0.5	19.4	0.2	34.4	0.6	46.1	0.3
2005	64.1	0.3	65.2	0.1	90.3	0.4	89.0	0.2	59.6	0.7	59.4	0.3	23.1	0.5	19.1	0.2	46.5	0.9	46.6	0.3

A.18.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	74.5	0.3	75.6	0.2	94.5	0.3	93.2	0.3	75.7	0.7	72.6	0.5	41.9	0.8	40.3	0.4	60.6	0.9	60.8	0.5
1996	74.2	0.3	76.6	0.2	94.3	0.3	93.4	0.3	73.6	0.8	72.6	0.5	41.4	0.8	40.6	0.4	58.3	0.9	63.1	0.5
1997	75.9	0.3	77.1	0.2	94.9	0.3	93.5	0.3	73.8	0.8	73.7	0.5	42.8	0.8	40.2	0.4	65.0	0.9	62.7	0.5
1998	76.1	0.3	77.6	0.2	95.2	0.3	93.7	0.3	76.7	0.7	74.8	0.4	40.1	0.8	40.0	0.4	64.3	0.9	63.1	0.5
1999	77.7	0.3	78.5	0.2	95.3	0.3	93.5	0.3	77.0	0.7	73.8	0.4	40.5	0.8	41.4	0.4	65.6	0.9	63.5	0.5
2000	77.9	0.3	77.5	0.1	95.6	0.3	92.6	0.2	75.3	0.7	73.2	0.3	43.4	0.8	39.8	0.3	63.1	0.9	64.2	0.3
2001	78.1	0.3	78.0	0.1	96.2	0.2	92.6	0.2	75.2	0.7	73.0	0.3	44.6	0.8	40.3	0.3	64.0	0.9	63.1	0.3
2002	79.5	0.3	78.4	0.1	96.4	0.2	93.1	0.2	78.3	0.7	73.6	0.3	46.4	0.7	40.0	0.3	64.1	1.0	63.9	0.3
2003	76.2	0.3	78.1	0.1	96.5	0.2	92.9	0.2	77.6	0.7	74.2	0.3	45.1	0.7	41.2	0.3	51.8	0.9	64.1	0.4
2004	77.6	0.3	78.8	0.1	96.6	0.2	93.0	0.2	81.2	0.7	75.1	0.3	50.9	0.8	43.2	0.3	48.7	0.9	64.7	0.4
2005	78.3	0.3	78.8	0.1	96.7	0.2	93.2	0.2	78.1	0.7	75.1	0.3	45.9	0.7	43.2	0.3	62.4	1.0	65.1	0.4
2006	79.7	0.3	79.6	0.1	96.6	0.2	93.5	0.2	79.9	0.7	75.8	0.3	47.1	0.7	43.6	0.3	66.3	1.1	64.8	0.4
2007	79.2	0.3	80.1	0.1	97.1	0.2	93.1	0.2	80.3	0.7	76.3	0.3	48.1	0.7	43.8	0.3	52.1	1.2	66.1	0.3
2008	80.2	0.3	80.0	0.1	96.4	0.2	93.3	0.2	81.2	0.7	76.9	0.3	48.9	0.7	44.8	0.3	60.4	1.2	66.7	0.3
2009	73.7	0.4	74.4	0.2	95.6	0.4	91.1	0.2	78.1	1.0	74.7	0.4	43.6	0.9	41.9	0.3	45.1	1.6	58.1	0.5

A.19.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	63.2	0.4	64.4	0.2	90.2	0.5	85.9	0.4	57.1	0.9	49.4	0.5	23.2	0.7	21.4	0.4	47.8	1.0	46.5	0.5
1996	63.0	0.4	65.9	0.2	89.4	0.5	86.9	0.4	54.7	0.9	51.1	0.5	23.3	0.7	21.4	0.4	46.7	1.0	49.2	0.5
1997	65.6	0.4	67.0	0.2	90.5	0.4	87.0	0.4	56.3	0.9	51.4	0.5	25.7	0.7	21.9	0.4	54.3	1.0	49.5	0.5
1998	65.9	0.4	67.6	0.2	91.2	0.4	87.0	0.4	58.0	0.9	53.6	0.5	23.4	0.7	21.7	0.4	53.4	1.0	50.4	0.5
1999	68.1	0.4	68.6	0.2	92.0	0.4	86.9	0.4	58.7	0.9	52.2	0.5	23.5	0.7	21.9	0.4	54.6	1.0	50.1	0.5
2000	68.4	0.4	67.6	0.1	92.0	0.4	86.1	0.3	57.3	0.9	51.8	0.4	26.5	0.7	21.1	0.3	52.4	1.0	51.5	0.4
2001	69.5	0.4	68.4	0.1	93.5	0.4	86.2	0.3	57.6	0.9	51.3	0.4	28.1	0.7	22.0	0.3	55.7	1.0	50.7	0.4
2002	70.9	0.3	69.1	0.1	94.5	0.4	87.0	0.2	61.1	0.9	53.0	0.4	29.6	0.7	21.7	0.2	53.3	1.1	50.9	0.4
2003	67.0	0.4	68.4	0.1	93.5	0.4	86.3	0.2	60.3	0.9	53.4	0.4	28.6	0.7	22.7	0.3	41.5	0.9	51.9	0.4
2004	67.8	0.4	69.1	0.1	93.2	0.4	86.7	0.2	64.1	0.9	54.8	0.4	30.7	0.7	23.9	0.3	40.5	0.9	52.3	0.4
2005	69.0	0.4	69.1	0.1	93.4	0.4	87.1	0.2	62.5	0.9	55.6	0.4	28.5	0.7	23.8	0.3	52.4	1.1	52.8	0.4
2006	69.9	0.4	70.2	0.1	93.2	0.4	87.4	0.2	63.3	0.9	55.6	0.4	28.9	0.7	24.3	0.3	55.1	1.2	52.2	0.4
2007	69.8	0.4	70.5	0.1	94.0	0.4	86.9	0.3	64.3	0.9	56.1	0.4	28.8	0.7	24.0	0.3	44.8	1.3	52.9	0.4

A.20.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.0	0.4	60.6	0.2	87.3	0.6	81.7	0.5	50.9	0.9	41.6	0.6	18.1	0.6	16.8	0.4	43.7	1.0	41.9	0.5
1996	58.8	0.4	62.1	0.2	86.1	0.6	82.8	0.5	48.5	0.9	43.6	0.6	18.6	0.6	16.6	0.4	43.2	1.1	44.1	0.5
1997	61.5	0.4	63.3	0.2	88.3	0.5	82.9	0.5	50.0	0.9	44.0	0.6	20.0	0.7	16.8	0.4	49.5	1.1	45.1	0.6
1998	62.1	0.4	63.9	0.2	88.8	0.5	82.9	0.5	51.2	0.9	45.3	0.6	19.2	0.6	17.1	0.4	49.5	1.1	45.5	0.6
1999	65.5	0.4	65.4	0.2	91.2	0.5	83.5	0.4	53.3	0.9	45.1	0.6	18.8	0.7	17.0	0.4	51.9	1.1	45.5	0.6
2000	65.3	0.4	64.1	0.2	90.7	0.5	82.0	0.3	51.6	0.9	44.6	0.4	21.8	0.7	16.3	0.2	49.0	1.1	46.6	0.4
2001	66.4	0.4	65.2	0.2	92.3	0.5	82.4	0.3	51.4	0.9	44.2	0.4	23.1	0.7	17.3	0.2	52.3	1.1	46.1	0.4
2002	67.8	0.4	65.9	0.1	93.2	0.5	83.3	0.3	55.1	0.9	45.5	0.4	24.6	0.7	17.1	0.2	49.7	1.2	46.3	0.4
2003	63.8	0.4	65.1	0.1	91.8	0.5	82.9	0.3	54.9	0.9	46.1	0.4	23.2	0.7	17.5	0.2	39.2	1.0	47.7	0.4
2004	64.4	0.4	65.7	0.1	91.4	0.5	83.0	0.3	57.6	0.9	47.8	0.4	25.3	0.7	18.6	0.2	38.2	0.9	47.7	0.4
2005	64.9	0.4	65.4	0.2	90.9	0.5	83.5	0.3	55.8	1.0	48.0	0.4	23.2	0.7	18.2	0.3	47.2	1.2	48.2	0.4

A.21.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	76.2	0.3	78.2	0.2	94.3	0.3	97.4	0.1	81.4	0.6	84.6	0.3	45.4	0.8	44.1	0.5	55.9	0.9	57.3	0.5
1996	75.8	0.3	78.5	0.2	94.3	0.3	97.5	0.1	81.0	0.6	84.9	0.3	45.2	0.8	44.6	0.5	52.2	1.0	57.6	0.5
1997	76.3	0.3	79.0	0.2	94.8	0.3	97.7	0.1	80.4	0.6	85.7	0.3	45.0	0.8	45.0	0.4	54.8	1.0	58.6	0.5
1998	77.3	0.3	79.6	0.2	94.3	0.3	97.6	0.1	83.5	0.6	86.3	0.3	45.5	0.8	45.6	0.4	55.5	1.0	58.6	0.5
1999	77.4	0.3	79.9	0.2	95.1	0.3	97.6	0.1	83.1	0.6	86.5	0.3	43.2	0.8	45.8	0.4	54.6	1.0	59.4	0.6
2000	77.9	0.3	79.0	0.1	95.6	0.3	97.1	0.1	82.5	0.6	85.3	0.2	45.8	0.8	45.8	0.3	56.3	1.0	59.9	0.4
2001	78.4	0.3	79.3	0.1	95.9	0.3	97.2	0.1	82.1	0.6	85.6	0.2	49.4	0.8	46.0	0.3	57.2	1.0	59.8	0.4
2002	78.7	0.3	79.6	0.1	96.0	0.3	97.1	0.1	83.9	0.6	85.8	0.2	50.7	0.8	46.7	0.3	52.4	1.1	61.2	0.4
2003	77.1	0.3	79.3	0.1	96.0	0.3	97.0	0.1	84.8	0.6	85.9	0.2	49.9	0.8	46.6	0.3	45.8	1.0	61.1	0.4
2004	77.7	0.3	79.6	0.1	96.8	0.2	97.0	0.1	86.5	0.5	87.1	0.2	54.3	0.8	47.7	0.3	44.0	0.9	60.8	0.4
2005	78.5	0.3	80.2	0.1	95.8	0.3	97.1	0.1	85.5	0.6	87.3	0.2	48.2	0.7	48.2	0.3	59.5	1.0	61.4	0.4
2006	79.2	0.3	80.3	0.1	95.8	0.3	97.2	0.1	86.3	0.5	87.5	0.2	50.9	0.7	48.5	0.3	55.6	1.2	61.1	0.4
2007	78.8	0.3	80.5	0.1	95.6	0.3	97.1	0.1	86.6	0.5	87.4	0.2	50.7	0.7	48.5	0.3	48.0	1.2	61.0	0.4
2008	79.4	0.3	80.9	0.1	95.6	0.3	97.3	0.1	86.4	0.5	87.8	0.2	50.9	0.8	49.4	0.3	52.0	1.3	61.5	0.4
2009	73.4	0.5	75.6	0.2	94.5	0.4	96.3	0.1	83.0	0.8	85.6	0.3	45.8	0.9	45.2	0.4	39.2	1.6	52.6	0.5

A.22.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	64.2	0.4	66.9	0.2	89.3	0.4	93.7	0.2	63.7	0.8	68.5	0.4	26.2	0.8	23.9	0.4	41.6	1.0	42.7	0.6
1996	64.1	0.4	67.4	0.2	89.5	0.4	94.0	0.2	63.7	0.8	69.3	0.4	26.3	0.7	24.4	0.4	37.5	1.0	43.9	0.6
1997	64.6	0.4	68.0	0.2	89.8	0.4	94.4	0.2	63.4	0.8	70.0	0.4	26.2	0.7	24.8	0.4	40.3	1.0	44.9	0.6
1998	65.8	0.4	68.8	0.2	89.9	0.4	94.4	0.2	65.8	0.8	71.3	0.4	26.0	0.7	25.2	0.4	42.3	1.0	45.2	0.6
1999	66.3	0.4	69.6	0.2	90.6	0.4	95.0	0.2	66.5	0.8	72.3	0.4	24.4	0.7	24.7	0.4	41.5	1.1	46.4	0.6
2000	67.5	0.4	68.3	0.1	91.7	0.4	94.0	0.1	67.1	0.8	70.9	0.3	27.4	0.7	25.0	0.3	43.1	1.1	47.0	0.4
2001	68.2	0.4	68.8	0.1	92.3	0.4	94.1	0.1	66.9	0.8	71.3	0.3	30.9	0.7	25.5	0.3	46.1	1.1	47.3	0.4
2002	68.5	0.4	69.1	0.1	92.5	0.4	94.0	0.1	70.0	0.7	72.0	0.3	32.3	0.7	26.0	0.3	39.1	1.1	49.1	0.4
2003	66.9	0.4	68.8	0.1	92.8	0.4	93.8	0.1	69.5	0.7	72.1	0.3	31.5	0.7	26.5	0.3	34.6	1.0	48.9	0.4
2004	67.1	0.4	69.2	0.1	92.4	0.4	94.1	0.1	71.8	0.7	73.2	0.3	34.7	0.8	27.2	0.3	33.8	0.9	48.7	0.4
2005	67.8	0.4	69.8	0.1	91.6	0.4	94.1	0.1	70.0	0.7	73.9	0.3	29.2	0.7	27.2	0.3	50.4	1.1	49.5	0.4
2006	68.9	0.4	70.0	0.1	91.9	0.4	94.1	0.1	72.4	0.7	74.4	0.3	33.2	0.7	27.5	0.3	44.1	1.3	49.1	0.4
2007	67.9	0.4	69.6	0.1	91.7	0.4	94.0	0.2	70.8	0.8	73.5	0.3	31.1	0.8	27.1	0.3	39.0	1.3	47.7	0.4

A.23.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.5	0.4	62.3	0.2	86.8	0.5	91.5	0.3	56.1	0.8	60.7	0.5	20.0	0.7	17.8	0.4	37.3	1.0	38.3	0.6
1996	59.6	0.4	62.8	0.2	86.7	0.5	91.6	0.3	56.3	0.9	62.4	0.5	21.0	0.7	17.9	0.4	33.2	1.0	39.2	0.6
1997	60.1	0.4	63.5	0.2	86.8	0.5	92.3	0.3	56.3	0.8	63.1	0.5	21.1	0.7	17.8	0.4	36.0	1.1	40.3	0.6
1998	61.2	0.4	64.3	0.2	87.4	0.5	92.5	0.3	58.9	0.8	64.2	0.4	19.8	0.7	18.4	0.4	37.3	1.1	40.6	0.6
1999	62.1	0.4	65.3	0.2	88.5	0.5	93.0	0.2	59.7	0.8	65.9	0.4	18.9	0.7	17.7	0.4	36.5	1.1	42.1	0.6
2000	63.7	0.4	63.9	0.1	89.6	0.5	91.8	0.2	61.0	0.8	64.2	0.3	22.1	0.7	18.6	0.3	39.8	1.1	42.6	0.4
2001	63.5	0.4	64.5	0.1	89.6	0.5	92.1	0.2	59.3	0.8	64.9	0.3	25.0	0.7	19.2	0.2	42.0	1.1	43.1	0.4
2002	64.1	0.4	64.8	0.1	90.6	0.5	92.0	0.2	63.2	0.8	65.4	0.3	25.3	0.7	19.3	0.2	35.1	1.1	44.7	0.4
2003	62.3	0.4	64.4	0.1	90.1	0.5	91.7	0.2	62.2	0.8	65.6	0.3	25.0	0.7	19.6	0.2	31.6	1.0	44.7	0.4
2004	62.3	0.4	64.7	0.1	89.4	0.5	91.9	0.2	65.1	0.8	66.7	0.3	27.1	0.8	20.2	0.2	30.4	0.9	44.3	0.4
2005	63.2	0.4	65.1	0.2	89.5	0.5	92.0	0.2	62.4	0.9	66.7	0.3	23.0	0.7	20.0	0.3	45.7	1.2	44.7	0.5

A.24.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	75.7	0.2	77.4	0.1	94.5	0.2	96.3	0.1	78.8	0.5	80.1	0.3	43.7	0.6	42.4	0.4	58.4	0.7	59.2	0.4
1996	75.5	0.2	78.1	0.1	94.4	0.2	96.5	0.1	78.0	0.5	80.3	0.3	43.5	0.6	43.0	0.4	55.4	0.7	60.8	0.4
1997	76.7	0.2	78.7	0.1	95.1	0.2	96.7	0.1	77.4	0.5	81.4	0.3	44.3	0.6	42.9	0.3	60.1	0.7	61.1	0.4
1998	77.1	0.2	79.1	0.1	94.8	0.2	96.6	0.1	80.3	0.5	82.3	0.3	43.1	0.6	42.8	0.3	60.3	0.7	60.9	0.4
1999	78.0	0.2	79.7	0.1	95.3	0.2	96.6	0.1	80.5	0.5	81.8	0.3	42.1	0.6	43.6	0.3	60.0	0.7	61.4	0.4
2000	78.4	0.2	78.7	0.1	95.7	0.2	95.9	0.1	79.2	0.5	80.8	0.2	45.2	0.6	42.8	0.2	59.8	0.8	62.5	0.3
2001	78.7	0.2	79.1	0.1	96.1	0.2	95.9	0.1	79.2	0.5	81.0	0.2	47.5	0.6	43.1	0.2	61.0	0.7	61.8	0.3
2002	79.4	0.2	79.3	0.1	96.4	0.2	96.0	0.1	81.7	0.5	81.2	0.2	48.8	0.6	43.3	0.2	57.7	0.8	62.6	0.3
2003	76.6	0.2	79.0	0.1	96.3	0.2	96.0	0.1	81.5	0.5	81.4	0.2	47.5	0.6	43.8	0.2	47.0	0.7	62.6	0.3
2004	77.7	0.2	79.6	0.1	96.7	0.2	95.9	0.1	83.7	0.5	82.6	0.2	51.8	0.6	45.4	0.2	46.8	0.7	62.9	0.3
2005	78.2	0.2	79.7	0.1	96.2	0.2	96.1	0.1	82.5	0.5	83.0	0.2	46.7	0.6	45.5	0.2	58.9	0.8	63.1	0.3
2006	79.6	0.2	80.2	0.1	96.3	0.2	96.2	0.1	83.7	0.5	83.1	0.2	49.3	0.6	46.0	0.2	60.3	0.9	62.9	0.3
2007	78.9	0.2	80.5	0.1	96.5	0.2	96.0	0.1	84.0	0.5	83.5	0.2	49.4	0.6	46.1	0.2	48.3	0.9	63.2	0.3
2008	79.7	0.2	80.6	0.1	96.0	0.2	96.1	0.1	84.2	0.5	83.8	0.2	49.2	0.6	46.9	0.2	54.7	1.0	63.3	0.3
2009	73.1	0.3	75.0	0.1	94.9	0.3	94.7	0.1	80.7	0.7	81.5	0.3	44.4	0.7	43.2	0.3	39.1	1.3	54.4	0.4

A.25.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	64.1	0.3	66.6	0.2	89.8	0.3	91.7	0.2	61.2	0.6	61.8	0.4	25.0	0.6	23.1	0.3	44.8	0.7	45.2	0.4
1996	64.3	0.3	67.6	0.2	89.7	0.3	92.3	0.2	60.2	0.6	62.8	0.4	25.3	0.6	23.7	0.3	42.1	0.8	46.9	0.4
1997	65.8	0.3	68.5	0.2	90.5	0.3	92.6	0.2	60.1	0.6	63.4	0.4	26.5	0.6	23.8	0.3	47.3	0.8	47.4	0.4
1998	66.4	0.3	69.1	0.2	90.6	0.3	92.6	0.2	62.6	0.6	65.1	0.4	24.9	0.5	23.9	0.3	48.2	0.8	48.0	0.4
1999	67.9	0.3	70.0	0.2	91.5	0.3	93.0	0.2	63.3	0.6	65.2	0.4	24.5	0.5	23.6	0.3	48.2	0.8	48.4	0.4
2000	68.5	0.3	68.7	0.1	92.0	0.3	91.9	0.1	63.0	0.6	64.0	0.2	27.6	0.6	23.2	0.2	47.9	0.8	49.7	0.3
2001	69.4	0.3	69.4	0.1	93.2	0.3	91.9	0.1	63.2	0.6	64.2	0.2	29.8	0.6	24.0	0.2	51.0	0.8	49.3	0.3
2002	70.1	0.3	69.7	0.1	93.7	0.3	92.2	0.1	67.0	0.6	65.1	0.2	31.1	0.6	24.0	0.2	44.8	0.8	50.0	0.3
2003	66.9	0.3	69.3	0.1	93.1	0.3	91.9	0.1	65.6	0.6	65.3	0.2	30.0	0.6	24.9	0.2	36.0	0.7	50.3	0.3
2004	67.5	0.3	69.8	0.1	92.9	0.3	92.1	0.1	68.1	0.6	66.6	0.2	32.0	0.6	25.7	0.2	36.9	0.7	50.7	0.3
2005	68.3	0.3	70.0	0.1	92.4	0.3	92.3	0.1	67.3	0.6	67.5	0.2	28.8	0.5	25.6	0.2	48.9	0.9	51.0	0.3
2006	69.5	0.3	70.6	0.1	92.5	0.3	92.3	0.1	68.7	0.6	67.6	0.2	31.1	0.5	26.1	0.2	48.9	0.9	50.7	0.3
2007	68.7	0.3	70.5	0.1	92.8	0.3	92.0	0.1	68.1	0.7	67.3	0.3	30.3	0.6	25.8	0.2	40.1	1.0	49.8	0.3

A.26.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.6	0.3	62.5	0.2	87.1	0.4	89.1	0.3	54.2	0.7	54.1	0.4	19.1	0.5	17.7	0.3	40.3	0.8	40.6	0.4
1996	60.0	0.3	63.5	0.2	86.9	0.4	89.6	0.3	53.3	0.7	55.9	0.4	20.2	0.5	17.8	0.3	38.0	0.8	42.0	0.4
1997	61.5	0.3	64.6	0.2	87.9	0.4	90.1	0.3	53.3	0.7	56.7	0.4	21.0	0.5	17.7	0.3	42.7	0.8	43.0	0.4
1998	62.2	0.3	65.2	0.2	88.3	0.4	90.3	0.2	55.6	0.7	57.7	0.4	19.7	0.5	18.1	0.3	43.6	0.8	43.2	0.5
1999	64.5	0.3	66.3	0.2	90.1	0.4	90.7	0.2	57.1	0.7	58.8	0.4	19.4	0.5	17.6	0.3	44.2	0.8	43.9	0.5
2000	65.2	0.3	64.9	0.1	90.3	0.4	89.2	0.2	57.0	0.7	57.4	0.3	22.5	0.5	17.7	0.2	44.8	0.9	45.1	0.3
2001	65.5	0.3	65.8	0.1	91.2	0.4	89.6	0.2	56.3	0.7	57.6	0.3	24.2	0.5	18.6	0.2	47.2	0.8	45.0	0.3
2002	66.4	0.3	66.1	0.1	92.1	0.3	89.8	0.2	60.7	0.7	58.4	0.3	25.0	0.5	18.4	0.2	40.6	0.9	45.6	0.3
2003	63.0	0.3	65.5	0.1	91.0	0.4	89.5	0.2	59.2	0.7	58.6	0.3	24.1	0.5	18.8	0.2	33.0	0.7	46.2	0.3
2004	63.4	0.3	66.0	0.1	90.5	0.4	89.6	0.2	61.5	0.7	60.1	0.3	25.6	0.6	19.7	0.2	33.7	0.7	46.2	0.3
2005	64.0	0.3	65.9	0.1	90.0	0.4	89.8	0.2	60.3	0.7	60.4	0.3	23.0	0.5	19.2	0.2	44.0	0.9	46.3	0.3

A.27.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	74.7	0.4	76.3	0.2	94.5	0.3	94.0	0.3	75.5	0.8	73.7	0.5	42.2	0.8	40.5	0.5	61.1	1.0	61.1	0.5
1996	74.5	0.3	77.3	0.2	94.4	0.3	94.3	0.3	74.2	0.8	73.5	0.5	41.1	0.8	41.0	0.5	58.0	1.0	63.5	0.5
1997	76.3	0.3	78.1	0.2	95.1	0.3	94.3	0.3	73.9	0.8	74.7	0.5	43.2	0.8	40.6	0.5	64.2	1.0	63.3	0.5
1998	76.3	0.3	78.2	0.2	95.1	0.3	94.4	0.3	76.3	0.8	75.6	0.5	40.6	0.8	39.9	0.5	64.1	1.0	63.1	0.6
1999	78.0	0.3	79.2	0.2	95.2	0.3	94.2	0.3	77.2	0.8	74.7	0.5	40.7	0.9	41.7	0.5	65.4	1.0	63.6	0.6
2000	78.1	0.3	78.1	0.1	95.6	0.3	93.3	0.2	75.3	0.8	73.9	0.3	44.0	0.8	39.9	0.3	62.9	1.0	64.6	0.4
2001	78.6	0.3	78.4	0.1	96.1	0.3	93.2	0.2	75.7	0.8	73.8	0.3	45.5	0.8	40.2	0.3	64.2	1.0	63.4	0.4
2002	79.5	0.3	78.8	0.1	96.4	0.3	93.7	0.2	78.5	0.8	74.2	0.3	46.6	0.8	40.2	0.3	63.2	1.1	63.9	0.4
2003	76.1	0.3	78.6	0.1	96.4	0.3	93.6	0.2	77.8	0.8	75.1	0.3	45.7	0.8	41.2	0.3	49.6	1.0	64.4	0.4
2004	77.4	0.3	79.2	0.1	96.5	0.3	93.8	0.2	80.8	0.7	75.9	0.3	50.2	0.8	43.3	0.3	48.6	1.0	64.9	0.4
2005	78.0	0.3	79.1	0.1	96.5	0.3	93.8	0.2	78.5	0.8	76.1	0.3	45.9	0.8	43.2	0.3	60.2	1.1	65.2	0.4
2006	79.4	0.3	79.8	0.1	96.6	0.3	93.9	0.2	80.0	0.8	76.3	0.3	47.3	0.8	43.6	0.3	64.6	1.2	65.0	0.4
2007	78.9	0.3	80.3	0.1	97.0	0.2	93.6	0.2	80.8	0.7	77.4	0.3	48.3	0.8	43.9	0.3	50.3	1.3	65.4	0.4
2008	79.9	0.3	80.2	0.1	96.3	0.3	93.7	0.2	81.6	0.7	77.9	0.3	48.3	0.8	44.7	0.3	58.7	1.3	65.7	0.4
2009	72.9	0.5	74.5	0.2	95.3	0.4	91.6	0.3	78.1	1.1	75.6	0.5	43.2	1.0	41.8	0.4	42.0	1.8	57.0	0.5

A.28.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	63.4	0.4	65.5	0.2	89.9	0.5	87.0	0.4	57.5	1.0	51.0	0.6	23.7	0.8	21.9	0.4	48.0	1.1	47.1	0.6
1996	63.4	0.4	66.9	0.2	89.6	0.5	88.3	0.4	55.3	1.0	52.2	0.6	23.8	0.7	22.1	0.4	46.1	1.1	49.4	0.6
1997	65.9	0.4	68.2	0.2	90.7	0.5	88.2	0.4	55.9	1.0	52.7	0.6	26.4	0.8	22.3	0.4	53.2	1.1	49.8	0.6
1998	66.0	0.4	68.5	0.2	90.9	0.5	88.3	0.4	57.5	1.0	54.5	0.6	23.8	0.7	22.2	0.4	53.1	1.1	50.1	0.6
1999	68.5	0.4	69.6	0.2	91.8	0.4	88.0	0.4	58.7	0.9	53.5	0.6	24.2	0.8	22.3	0.4	54.4	1.1	50.4	0.6
2000	68.3	0.4	68.4	0.2	91.8	0.4	87.2	0.3	57.1	0.9	53.0	0.4	27.0	0.8	21.2	0.3	52.2	1.1	51.8	0.4
2001	69.9	0.4	69.1	0.1	93.5	0.4	87.2	0.3	58.2	1.0	52.4	0.4	28.5	0.8	22.2	0.3	55.2	1.1	51.0	0.4
2002	70.7	0.4	69.6	0.1	94.2	0.4	88.0	0.3	61.7	0.9	53.9	0.4	29.7	0.8	21.9	0.3	51.1	1.2	50.9	0.4
2003	66.6	0.4	69.1	0.2	93.0	0.4	87.5	0.3	60.3	1.0	54.6	0.4	29.2	0.8	23.1	0.3	38.8	1.0	52.0	0.4
2004	67.1	0.4	69.6	0.1	92.9	0.4	87.8	0.3	63.2	0.9	55.9	0.4	29.7	0.8	24.1	0.3	39.5	1.0	52.5	0.4
2005	68.5	0.4	69.5	0.2	93.0	0.4	88.1	0.3	62.8	1.0	56.7	0.4	28.6	0.7	24.0	0.3	49.4	1.2	52.8	0.4
2006	69.3	0.4	70.6	0.1	92.8	0.4	88.1	0.3	63.1	1.0	56.6	0.4	28.8	0.7	24.6	0.3	53.2	1.3	52.6	0.4
2007	69.1	0.4	70.8	0.2	93.4	0.4	87.8	0.3	64.6	1.0	57.4	0.4	29.2	0.8	24.3	0.3	42.7	1.4	51.9	0.5

A.29.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.0	0.5	61.7	0.3	86.9	0.6	83.0	0.5	51.0	1.0	43.0	0.6	18.4	0.7	17.3	0.4	43.3	1.1	42.3	0.6
1996	59.2	0.4	63.2	0.3	86.4	0.6	84.5	0.5	48.9	1.0	44.6	0.6	18.9	0.7	17.1	0.4	42.3	1.2	44.4	0.6
1997	61.7	0.4	64.7	0.3	88.4	0.6	84.3	0.5	49.2	1.0	45.8	0.6	20.6	0.7	17.1	0.4	48.4	1.2	45.5	0.6
1998	62.2	0.4	65.0	0.3	88.6	0.6	84.7	0.5	50.6	1.0	46.3	0.6	19.6	0.7	17.6	0.4	49.1	1.2	45.1	0.6
1999	65.8	0.4	66.5	0.2	90.8	0.5	84.7	0.5	53.1	1.0	46.5	0.6	19.5	0.7	17.2	0.4	51.4	1.2	45.6	0.6
2000	65.3	0.4	64.9	0.2	90.4	0.5	83.2	0.3	51.2	1.0	45.9	0.4	22.3	0.8	16.6	0.3	49.2	1.2	46.9	0.4
2001	66.7	0.4	65.9	0.2	92.2	0.5	83.7	0.3	52.0	1.0	45.2	0.4	23.5	0.8	17.5	0.3	51.5	1.2	46.5	0.4
2002	67.6	0.4	66.5	0.2	92.9	0.5	84.4	0.3	55.9	1.0	46.4	0.4	24.8	0.8	17.4	0.3	47.0	1.3	46.4	0.4
2003	63.3	0.4	65.8	0.2	91.4	0.5	84.2	0.3	54.6	1.0	47.3	0.4	23.5	0.7	17.9	0.3	36.0	1.1	47.9	0.4
2004	63.6	0.4	66.3	0.2	91.1	0.5	84.3	0.3	56.3	1.0	49.0	0.4	24.1	0.8	19.0	0.3	36.8	1.0	48.0	0.4
2005	64.2	0.5	65.9	0.2	90.4	0.6	84.7	0.3	55.9	1.1	49.3	0.5	23.2	0.8	18.5	0.3	44.4	1.3	48.2	0.5

A.30.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	76.6	0.3	78.5	0.2	94.5	0.3	97.5	0.1	81.6	0.7	84.4	0.4	45.5	0.9	44.4	0.5	55.5	1.0	56.7	0.6
1996	76.6	0.3	78.9	0.2	94.4	0.3	97.7	0.1	81.3	0.7	84.9	0.4	46.1	0.9	45.0	0.5	52.6	1.1	57.4	0.6
1997	77.0	0.3	79.3	0.2	95.0	0.3	97.9	0.1	80.2	0.7	85.9	0.3	45.5	0.9	45.1	0.5	55.2	1.1	58.5	0.6
1998	77.8	0.3	80.0	0.2	94.4	0.3	97.7	0.1	83.7	0.6	86.7	0.3	45.8	0.9	45.8	0.5	55.7	1.1	58.5	0.6
1999	78.0	0.3	80.2	0.2	95.5	0.3	97.8	0.1	83.2	0.6	86.4	0.3	43.6	0.9	45.7	0.5	53.5	1.1	58.9	0.6
2000	78.7	0.3	79.4	0.1	95.7	0.3	97.3	0.1	82.4	0.6	85.5	0.2	46.6	0.9	45.9	0.3	56.0	1.1	60.1	0.4
2001	78.9	0.3	79.8	0.1	96.1	0.3	97.4	0.1	82.1	0.6	85.9	0.2	49.5	0.9	46.1	0.3	57.0	1.1	60.0	0.4
2002	79.3	0.3	79.9	0.1	96.4	0.3	97.3	0.1	84.4	0.6	85.8	0.2	51.1	0.8	46.6	0.3	51.5	1.2	61.1	0.4
2003	77.1	0.3	79.6	0.1	96.2	0.3	97.3	0.1	84.5	0.6	85.8	0.2	49.6	0.9	46.6	0.3	43.9	1.0	60.6	0.4
2004	78.1	0.3	79.9	0.1	96.8	0.3	97.2	0.1	85.9	0.6	87.1	0.2	53.6	0.9	47.6	0.3	44.8	1.0	60.8	0.4
2005	78.5	0.3	80.5	0.1	95.8	0.3	97.3	0.1	85.5	0.6	87.5	0.2	47.7	0.8	47.9	0.3	57.5	1.2	60.8	0.4
2006	79.8	0.3	80.6	0.1	95.9	0.3	97.4	0.1	86.4	0.6	87.5	0.2	51.3	0.8	48.6	0.3	55.2	1.3	60.5	0.4
2007	79.0	0.3	80.7	0.1	95.8	0.3	97.3	0.1	86.6	0.6	87.6	0.2	50.6	0.8	48.3	0.3	46.2	1.3	60.7	0.4
2008	79.5	0.3	81.0	0.1	95.6	0.3	97.4	0.1	86.5	0.6	87.7	0.2	50.3	0.8	49.2	0.3	50.2	1.4	60.6	0.4
2009	73.4	0.5	75.5	0.2	94.4	0.4	96.5	0.1	83.0	0.9	85.7	0.3	45.7	1.0	44.6	0.4	36.2	1.8	51.3	0.6

A.31.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	64.9	0.4	67.7	0.2	89.6	0.5	94.1	0.2	64.3	0.8	69.2	0.5	26.4	0.8	24.5	0.5	41.3	1.1	42.8	0.6
1996	65.1	0.4	68.3	0.2	89.9	0.5	94.4	0.2	64.5	0.9	70.0	0.5	27.1	0.8	25.4	0.5	37.5	1.1	43.8	0.6
1997	65.6	0.4	68.8	0.2	90.3	0.4	94.9	0.2	63.6	0.8	70.7	0.5	26.6	0.8	25.4	0.4	40.4	1.1	44.7	0.6
1998	66.7	0.4	69.7	0.2	90.3	0.4	94.8	0.2	66.7	0.8	72.1	0.4	26.1	0.8	25.6	0.4	42.3	1.1	45.5	0.6
1999	67.3	0.4	70.4	0.2	91.2	0.4	95.5	0.2	67.1	0.8	72.8	0.4	24.8	0.8	25.1	0.4	40.7	1.1	46.1	0.6
2000	68.7	0.4	69.1	0.1	92.2	0.4	94.4	0.2	68.0	0.8	71.4	0.3	28.3	0.8	25.4	0.3	42.7	1.2	47.3	0.4
2001	69.0	0.4	69.6	0.1	92.8	0.4	94.6	0.2	67.3	0.8	72.1	0.3	31.0	0.8	25.9	0.3	45.8	1.2	47.5	0.4
2002	69.4	0.4	69.9	0.1	93.1	0.4	94.6	0.2	71.4	0.8	72.5	0.3	32.5	0.8	26.1	0.3	37.8	1.2	49.0	0.4
2003	67.2	0.4	69.6	0.1	93.2	0.4	94.4	0.2	69.8	0.8	72.5	0.3	31.0	0.8	26.8	0.3	32.7	1.0	48.3	0.4
2004	67.9	0.4	69.9	0.1	92.9	0.4	94.6	0.2	72.0	0.8	73.6	0.3	34.6	0.9	27.3	0.3	34.2	1.0	48.8	0.4
2005	68.2	0.4	70.5	0.1	91.7	0.4	94.6	0.1	70.7	0.8	74.5	0.3	28.9	0.8	27.3	0.3	48.3	1.2	48.9	0.5
2006	69.8	0.4	70.6	0.1	92.2	0.4	94.7	0.1	73.0	0.8	74.8	0.3	33.6	0.8	27.8	0.3	43.8	1.4	48.6	0.5
2007	68.3	0.4	70.1	0.2	92.0	0.5	94.4	0.2	71.0	0.9	73.9	0.3	31.4	0.8	27.4	0.3	37.3	1.4	47.4	0.5

A.32.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
White Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	60.3	0.4	63.3	0.2	87.3	0.6	92.1	0.3	56.9	0.9	61.6	0.5	19.9	0.8	18.3	0.4	36.8	1.1	38.3	0.6
1996	60.7	0.4	63.9	0.2	87.4	0.5	92.2	0.3	57.0	0.9	63.6	0.5	21.7	0.8	18.6	0.4	33.3	1.1	39.1	0.6
1997	61.2	0.4	64.4	0.2	87.4	0.5	93.0	0.3	56.6	0.9	64.1	0.5	21.5	0.8	18.4	0.4	36.0	1.2	40.2	0.6
1998	62.3	0.4	65.4	0.2	88.0	0.5	93.2	0.3	59.6	0.9	65.1	0.5	20.0	0.7	18.7	0.4	37.1	1.1	41.0	0.7
1999	63.2	0.4	66.2	0.2	89.3	0.5	93.8	0.3	60.4	0.9	66.7	0.5	19.2	0.7	17.9	0.4	35.6	1.2	41.9	0.7
2000	65.0	0.4	64.9	0.2	90.2	0.5	92.4	0.2	61.9	0.9	65.1	0.3	22.8	0.8	18.9	0.3	39.5	1.2	43.1	0.4
2001	64.3	0.4	65.6	0.2	90.0	0.5	92.8	0.2	59.8	0.9	65.9	0.3	24.8	0.8	19.7	0.3	41.7	1.2	43.4	0.4
2002	65.1	0.4	65.7	0.2	91.1	0.5	92.8	0.2	64.7	0.9	66.2	0.3	25.3	0.8	19.5	0.3	33.7	1.2	44.7	0.5
2003	62.7	0.4	65.3	0.2	90.5	0.5	92.5	0.2	62.7	0.9	66.3	0.3	24.6	0.8	19.8	0.3	29.5	1.0	44.4	0.5
2004	63.1	0.4	65.6	0.2	89.8	0.5	92.7	0.2	65.5	0.9	67.4	0.3	27.2	0.8	20.4	0.3	30.5	1.0	44.4	0.5
2005	63.8	0.4	65.9	0.2	89.6	0.5	92.7	0.2	63.6	0.9	67.6	0.4	22.8	0.8	20.0	0.3	43.7	1.3	44.1	0.5

A.33.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	71.2	0.7	72.3	0.4	93.2	0.7	92.6	0.6	77.3	1.4	75.3	0.9	41.1	1.5	39.5	0.9	51.3	1.9	58.1	1.1
1996	70.1	0.7	72.5	0.4	92.7	0.7	92.6	0.6	74.8	1.4	75.6	0.9	39.5	1.4	38.9	0.9	48.3	2.0	57.8	1.1
1997	71.5	0.7	72.8	0.4	93.1	0.7	92.7	0.6	77.4	1.4	75.9	0.9	40.6	1.4	39.7	0.9	55.7	2.0	57.1	1.1
1998	73.0	0.7	74.1	0.4	94.6	0.6	93.6	0.5	80.3	1.2	77.3	0.9	39.6	1.4	40.0	0.9	53.9	2.1	57.7	1.2
1999	73.3	0.6	75.0	0.4	93.7	0.6	92.5	0.6	79.7	1.3	77.5	0.9	39.1	1.4	41.5	0.9	59.6	1.9	60.5	1.2
2000	73.4	0.6	73.6	0.3	94.6	0.6	92.0	0.4	78.8	1.3	76.5	0.6	39.8	1.4	40.3	0.6	53.9	2.1	57.3	0.8
2001	73.0	0.7	74.1	0.3	94.9	0.6	92.2	0.4	77.0	1.4	75.7	0.6	41.9	1.4	41.1	0.6	52.4	2.2	57.6	0.8
2002	74.1	0.6	75.0	0.3	94.2	0.6	92.4	0.4	78.5	1.2	77.6	0.5	44.0	1.4	41.1	0.6	49.3	2.4	59.0	0.8
2003	73.7	0.6	74.6	0.3	95.0	0.6	91.6	0.4	81.3	1.2	78.0	0.5	43.5	1.3	41.7	0.6	51.0	2.1	59.7	0.8
2004	73.6	0.6	75.2	0.3	96.1	0.6	92.2	0.4	85.6	1.2	79.5	0.6	53.7	1.5	42.9	0.6	36.2	1.6	58.8	0.8
2005	75.1	0.6	75.7	0.3	95.3	0.6	92.5	0.4	79.2	1.3	77.7	0.6	45.2	1.4	44.6	0.6	61.0	2.2	60.6	0.9
2006	74.2	0.6	76.3	0.3	94.2	0.6	92.3	0.3	80.9	1.2	80.2	0.5	44.4	1.3	43.6	0.6	55.6	2.6	60.3	0.9
2007	74.7	0.6	76.6	0.2	94.3	0.6	92.7	0.3	80.1	1.2	78.9	0.5	45.9	1.3	43.9	0.6	51.0	2.7	59.9	0.9
2008	75.2	0.6	76.9	0.2	94.6	0.6	92.9	0.3	81.2	1.3	80.3	0.5	48.5	1.4	44.3	0.6	44.9	2.6	61.4	0.8
2009	71.2	0.9	71.7	0.3	94.6	0.8	91.2	0.5	78.8	1.9	77.6	0.8	42.9	1.7	41.7	0.7	43.1	3.3	53.4	1.1

A.34.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	57.7	0.8	57.4	0.5	88.5	1.0	84.6	0.8	54.6	1.7	50.4	1.1	21.9	1.3	18.3	0.8	35.1	1.9	39.4	1.1
1996	56.2	0.8	59.0	0.5	86.2	1.0	83.7	0.9	54.0	1.7	54.0	1.1	18.7	1.2	17.5	0.8	35.5	2.0	43.2	1.2
1997	58.8	0.8	60.1	0.5	86.6	1.0	85.4	0.8	60.3	1.6	55.4	1.1	22.0	1.2	19.7	0.8	42.4	2.1	43.3	1.2
1998	60.2	0.8	61.1	0.5	89.6	1.0	85.1	0.8	59.8	1.6	55.6	1.1	21.6	1.2	19.3	0.8	39.6	2.1	43.6	1.2
1999	60.8	0.8	62.2	0.5	89.2	0.9	86.3	0.8	61.1	1.6	55.2	1.0	20.1	1.2	19.8	0.8	43.9	2.1	44.5	1.3
2000	61.5	0.8	61.0	0.3	90.4	0.9	84.5	0.6	59.3	1.6	55.5	0.7	21.8	1.2	19.8	0.5	39.3	2.1	44.0	0.8
2001	61.9	0.8	61.6	0.3	90.1	0.9	85.2	0.5	58.1	1.7	54.5	0.7	25.0	1.2	20.1	0.5	44.0	2.3	44.2	0.9
2002	62.5	0.7	62.8	0.3	90.7	0.9	84.4	0.5	57.6	1.5	57.2	0.7	26.5	1.3	21.5	0.5	37.7	2.4	45.8	0.9
2003	61.8	0.7	61.8	0.3	90.9	0.9	83.7	0.5	61.8	1.5	57.3	0.7	25.9	1.2	21.0	0.5	39.0	2.1	46.7	0.9
2004	61.0	0.7	63.0	0.3	89.4	0.9	84.9	0.5	67.1	1.7	60.0	0.7	32.0	1.4	22.5	0.5	27.8	1.5	45.6	0.9
2005	62.0	0.7	63.5	0.3	89.9	0.9	85.3	0.5	59.5	1.6	59.1	0.7	24.8	1.2	22.9	0.5	49.7	2.3	48.3	0.9
2006	61.9	0.7	64.2	0.3	89.3	0.9	85.4	0.5	63.6	1.5	60.8	0.7	26.0	1.2	22.4	0.5	40.4	2.6	45.9	0.9
2007	61.6	0.8	64.0	0.3	89.4	1.0	85.7	0.5	63.2	1.7	59.1	0.8	23.4	1.3	21.8	0.5	39.2	2.9	45.6	1.0

A.35.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	53.2	0.8	52.8	0.5	85.1	1.2	79.9	1.0	48.1	1.8	41.8	1.1	16.9	1.2	13.4	0.7	31.6	1.9	35.3	1.2
1996	51.3	0.8	53.9	0.5	81.7	1.2	77.1	1.0	47.5	1.7	46.2	1.1	14.5	1.1	13.0	0.7	30.9	2.1	38.1	1.2
1997	53.9	0.8	54.8	0.5	83.6	1.2	80.5	1.0	53.4	1.8	45.8	1.1	16.6	1.1	14.1	0.7	36.3	2.2	37.5	1.2
1998	55.2	0.8	56.2	0.5	86.1	1.2	80.4	1.0	52.6	1.7	46.9	1.1	16.4	1.1	13.9	0.7	34.8	2.2	38.6	1.3
1999	56.9	0.8	57.9	0.5	87.4	1.1	82.3	0.9	54.7	1.7	47.9	1.1	15.3	1.1	14.4	0.7	39.3	2.2	40.3	1.3
2000	57.3	0.8	56.1	0.3	88.0	1.1	80.1	0.6	54.1	1.7	47.2	0.7	16.8	1.1	14.4	0.5	32.3	2.1	38.7	0.9
2001	58.0	0.8	56.9	0.3	88.8	1.1	80.5	0.6	50.7	1.7	47.4	0.7	20.2	1.2	14.2	0.5	38.5	2.4	39.2	0.9
2002	57.7	0.8	58.1	0.3	88.6	1.1	80.0	0.6	49.8	1.6	49.1	0.7	20.4	1.2	15.2	0.5	32.2	2.5	41.1	0.9
2003	57.1	0.8	57.2	0.3	87.4	1.1	79.4	0.6	55.1	1.6	49.7	0.7	19.9	1.2	15.4	0.5	36.8	2.2	41.7	0.9
2004	55.8	0.8	57.9	0.3	85.2	1.1	80.2	0.6	59.7	1.8	51.7	0.7	25.2	1.4	15.9	0.5	25.0	1.5	40.5	0.9
2005	55.6	0.9	57.9	0.4	85.7	1.2	81.1	0.7	50.2	1.8	49.4	0.8	18.5	1.2	16.1	0.5	41.1	2.6	43.0	1.0

A.36.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	71.2	0.9	71.4	0.6	93.6	0.9	87.1	1.3	74.9	2.1	63.9	1.6	39.3	2.0	39.0	1.2	52.5	2.5	59.0	1.4
1996	71.5	0.9	72.6	0.6	93.3	0.9	87.1	1.3	70.5	2.1	64.8	1.6	40.7	1.9	37.3	1.3	53.7	2.7	60.1	1.5
1997	72.4	0.9	72.4	0.6	93.6	0.9	86.6	1.3	72.6	2.1	65.0	1.6	39.4	1.9	37.4	1.2	64.2	2.7	59.7	1.5
1998	74.0	0.9	74.7	0.6	96.1	0.8	88.7	1.2	78.9	1.9	70.2	1.5	36.9	1.9	37.4	1.2	59.9	2.8	60.4	1.6
1999	74.3	0.9	75.2	0.5	95.7	0.8	88.6	1.3	76.1	2.1	67.7	1.5	37.7	1.9	38.9	1.2	61.4	2.6	61.7	1.6
2000	75.2	0.9	73.8	0.4	95.1	0.8	85.7	0.9	75.2	2.0	66.6	1.0	38.7	2.0	38.2	0.8	56.3	2.8	59.5	1.1
2001	73.2	0.9	74.6	0.4	95.9	0.8	86.7	0.8	72.0	2.2	66.6	1.0	37.6	1.9	38.5	0.8	54.8	2.9	59.4	1.1
2002	75.9	0.8	75.4	0.4	95.6	0.7	87.6	0.8	77.4	1.9	67.9	1.0	41.7	1.9	38.1	0.8	49.9	3.3	60.3	1.1
2003	73.1	0.9	74.8	0.4	96.0	0.7	86.9	0.8	76.2	1.9	67.3	1.0	38.4	1.8	39.4	0.8	52.1	2.8	59.3	1.1
2004	74.0	0.9	75.6	0.4	96.2	0.8	85.5	0.8	81.5	2.0	69.3	1.0	52.0	2.1	40.9	0.8	37.9	2.2	60.4	1.2
2005	74.7	0.9	75.9	0.4	96.0	0.8	87.0	0.8	72.0	2.2	67.6	1.1	42.2	2.0	41.9	0.9	59.3	3.2	59.8	1.2
2006	75.4	0.9	77.0	0.3	94.6	0.8	87.4	0.8	76.1	2.0	70.2	1.1	43.7	1.9	41.9	0.8	61.9	3.8	60.3	1.2
2007	74.8	0.9	76.9	0.3	95.5	0.7	86.5	0.8	74.5	2.1	67.5	1.0	44.1	1.8	41.2	0.8	48.2	3.8	61.2	1.2
2008	76.1	0.9	77.2	0.3	95.0	0.8	87.6	0.7	77.7	2.1	68.7	1.0	48.3	1.9	43.0	0.8	49.3	3.7	61.0	1.2
2009	72.7	1.2	71.6	0.5	95.6	1.0	83.3	1.1	77.0	3.0	67.8	1.4	42.1	2.4	39.6	1.0	45.5	5.0	53.1	1.5

A.37.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.3	1.1	57.9	0.7	91.2	1.3	76.5	1.7	51.5	2.5	36.9	1.6	20.2	1.7	17.9	1.0	38.2	2.6	41.5	1.5
1996	58.2	1.1	60.9	0.7	87.5	1.3	74.3	1.8	50.8	2.4	41.9	1.7	18.1	1.6	16.3	1.0	40.6	2.9	46.0	1.6
1997	61.5	1.1	61.4	0.7	88.6	1.4	76.4	1.8	58.9	2.5	42.5	1.7	21.0	1.6	19.4	1.0	51.8	3.0	47.1	1.6
1998	63.2	1.1	63.6	0.7	92.8	1.3	76.6	1.8	59.7	2.4	45.2	1.7	20.0	1.6	17.8	1.0	46.6	3.1	47.7	1.7
1999	63.5	1.0	64.0	0.7	92.4	1.2	78.2	1.8	58.9	2.5	41.4	1.6	19.0	1.6	18.4	1.0	46.6	2.9	46.2	1.7
2000	65.7	1.0	62.7	0.4	92.4	1.2	74.9	1.1	58.9	2.4	41.6	1.1	21.9	1.8	18.8	0.7	41.7	3.0	46.7	1.1
2001	64.0	1.0	63.7	0.4	92.0	1.2	77.2	1.1	53.3	2.5	42.1	1.1	22.6	1.7	18.9	0.7	49.4	3.1	45.9	1.2
2002	66.6	1.0	65.1	0.4	93.9	1.1	77.2	1.1	56.1	2.4	44.3	1.1	25.3	1.8	19.7	0.7	39.9	3.5	46.2	1.2
2003	63.5	1.0	63.6	0.4	93.5	1.1	74.9	1.1	58.3	2.3	43.0	1.1	22.0	1.6	19.4	0.7	42.4	3.0	46.9	1.2
2004	63.5	1.0	65.1	0.4	90.9	1.2	75.3	1.1	66.1	2.5	46.7	1.2	32.0	2.0	21.3	0.7	30.5	2.2	47.4	1.2
2005	63.1	1.1	65.5	0.4	91.2	1.2	76.8	1.1	54.4	2.5	46.0	1.2	22.7	1.7	21.8	0.7	46.9	3.4	47.8	1.3
2006	64.4	1.0	66.6	0.4	90.3	1.2	77.6	1.0	59.7	2.4	45.7	1.2	25.6	1.7	21.7	0.7	45.1	4.0	45.6	1.3
2007	63.4	1.1	66.1	0.4	91.3	1.3	76.5	1.2	59.1	2.7	45.3	1.3	22.7	1.7	20.5	0.8	37.0	4.1	45.5	1.4

A.38.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	56.0	1.2	54.3	0.7	88.7	1.6	69.8	2.0	47.3	2.7	31.3	1.6	15.3	1.6	13.1	0.9	36.1	2.8	37.4	1.5
1996	53.6	1.1	56.6	0.7	83.2	1.7	64.2	2.0	44.5	2.5	35.4	1.7	14.1	1.5	12.8	1.0	36.4	3.0	40.0	1.6
1997	57.5	1.2	56.9	0.7	86.6	1.7	68.7	2.0	54.1	2.7	32.6	1.7	15.5	1.5	14.6	1.0	45.0	3.2	40.8	1.7
1998	58.9	1.2	59.5	0.7	89.6	1.6	69.0	2.0	52.8	2.6	36.7	1.7	16.0	1.5	13.0	0.9	41.4	3.3	43.2	1.8
1999	61.2	1.1	61.0	0.7	91.4	1.4	74.3	2.0	54.6	2.7	34.9	1.7	14.5	1.5	14.0	1.0	43.2	3.1	42.1	1.8
2000	61.5	1.1	58.8	0.5	90.3	1.5	68.8	1.3	54.4	2.6	34.0	1.1	16.2	1.6	13.8	0.6	32.4	3.0	41.1	1.2
2001	60.9	1.1	60.0	0.5	91.4	1.5	70.1	1.2	46.6	2.6	36.3	1.1	17.9	1.6	13.5	0.6	44.9	3.3	40.2	1.2
2002	62.4	1.1	61.6	0.5	92.1	1.4	71.5	1.3	48.9	2.5	36.9	1.1	19.2	1.7	14.4	0.6	34.4	3.6	41.4	1.2
2003	59.7	1.1	60.2	0.5	90.2	1.5	70.3	1.2	54.2	2.5	36.1	1.1	17.0	1.5	14.8	0.6	40.5	3.1	42.1	1.3
2004	59.2	1.1	60.8	0.5	86.6	1.5	68.8	1.2	61.3	2.8	38.8	1.2	27.0	2.0	15.3	0.6	27.4	2.3	41.4	1.2
2005	57.2	1.2	60.7	0.5	86.3	1.7	71.1	1.4	47.5	2.8	37.3	1.3	17.1	1.7	14.9	0.7	37.2	3.7	42.1	1.2

A.39.

1-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	71.3	1.0	73.4	0.6	92.5	1.1	95.1	0.6	79.4	1.8	83.6	1.1	43.3	2.2	40.2	1.4	49.7	2.8	56.6	1.8
1996	68.3	1.0	72.4	0.6	91.9	1.1	95.0	0.6	78.8	1.8	82.7	1.0	38.1	2.1	40.6	1.4	41.6	2.9	54.7	1.7
1997	70.3	1.0	73.3	0.6	92.3	1.1	95.3	0.6	81.6	1.7	82.9	1.0	42.0	2.0	42.5	1.4	45.7	2.9	53.6	1.7
1998	71.8	1.0	73.4	0.6	92.3	1.1	95.7	0.6	81.4	1.6	81.8	1.0	42.9	2.1	42.8	1.3	46.9	3.0	54.4	1.8
1999	72.0	0.9	74.8	0.6	90.7	1.1	94.0	0.6	82.4	1.6	83.6	1.0	40.7	2.1	44.4	1.3	57.5	2.9	59.0	1.8
2000	71.3	1.0	73.3	0.4	93.8	1.0	94.8	0.4	81.9	1.7	82.5	0.7	40.8	2.0	42.7	0.9	51.1	3.0	54.8	1.2
2001	72.9	1.0	73.6	0.4	93.3	1.0	94.8	0.4	80.9	1.7	81.6	0.7	46.6	2.0	44.0	0.9	49.0	3.5	55.6	1.2
2002	71.9	0.9	74.5	0.4	91.9	1.1	94.5	0.4	79.3	1.6	83.7	0.6	46.3	2.0	44.4	0.9	48.7	3.3	57.4	1.2
2003	74.4	0.9	74.3	0.4	93.6	1.0	93.8	0.4	85.6	1.5	84.5	0.6	49.2	2.0	44.0	0.8	49.8	3.0	60.1	1.2
2004	73.2	0.9	74.7	0.4	95.9	0.8	95.1	0.4	88.9	1.5	85.2	0.6	55.5	2.1	44.9	0.8	34.6	2.2	57.1	1.2
2005	75.5	0.9	75.4	0.4	94.3	0.9	94.8	0.4	84.4	1.5	83.4	0.7	48.1	1.9	47.2	0.9	62.4	3.0	61.5	1.3
2006	72.8	0.9	75.5	0.4	93.6	0.9	94.4	0.4	84.5	1.5	85.4	0.6	45.1	1.8	45.4	0.8	50.6	3.4	60.4	1.2
2007	74.6	0.9	76.3	0.4	92.6	0.9	95.3	0.3	84.4	1.5	85.0	0.6	47.7	1.9	46.8	0.8	53.8	3.8	58.5	1.2
2008	74.2	0.9	76.6	0.4	94.0	0.9	95.3	0.3	83.8	1.6	86.2	0.6	48.7	1.9	45.7	0.8	40.2	3.7	61.8	1.2
2009	69.6	1.3	71.8	0.5	93.4	1.3	94.7	0.5	80.2	2.4	83.1	0.9	43.6	2.5	43.7	1.0	41.2	4.4	53.8	1.6

A.40.

3-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	55.7	1.1	56.8	0.7	84.6	1.5	88.3	0.9	57.3	2.3	60.1	1.4	23.9	2.0	18.9	1.1	31.3	2.7	35.9	1.8
1996	53.7	1.1	56.9	0.7	84.2	1.5	88.0	0.9	57.1	2.3	62.0	1.3	19.5	1.7	18.9	1.1	29.2	2.8	39.3	1.8
1997	55.5	1.1	58.5	0.7	83.8	1.5	89.2	0.9	61.5	2.2	63.7	1.3	23.1	1.8	20.2	1.1	31.6	2.8	38.4	1.8
1998	56.7	1.1	58.1	0.7	85.1	1.5	88.6	0.9	60.0	2.1	62.0	1.3	23.6	1.8	20.9	1.1	31.5	2.9	38.6	1.8
1999	57.7	1.1	60.1	0.7	84.4	1.5	89.4	0.9	62.7	2.1	63.8	1.3	21.4	1.8	21.3	1.1	40.7	3.0	42.4	1.9
2000	56.5	1.1	58.9	0.5	87.3	1.4	88.8	0.6	59.7	2.2	64.1	0.9	21.7	1.7	21.0	0.8	36.8	3.0	40.6	1.2
2001	59.3	1.1	59.0	0.5	87.2	1.4	88.9	0.6	61.8	2.2	62.5	0.9	27.6	1.9	21.4	0.7	36.1	3.5	42.1	1.3
2002	57.6	1.1	60.2	0.4	85.4	1.5	87.5	0.6	58.8	2.0	65.2	0.8	27.7	1.8	23.3	0.7	35.5	3.4	45.4	1.3
2003	59.7	1.1	59.8	0.4	86.9	1.4	87.7	0.6	64.6	2.1	65.9	0.8	30.2	1.9	22.5	0.7	35.2	3.0	46.6	1.3
2004	58.2	1.1	60.7	0.4	87.3	1.4	89.0	0.5	67.8	2.2	67.4	0.8	32.0	2.0	23.8	0.7	25.1	2.1	43.6	1.2
2005	60.9	1.1	61.3	0.5	88.1	1.4	88.9	0.6	63.3	2.1	66.5	0.9	26.8	1.8	24.0	0.7	52.2	3.2	48.9	1.4
2006	59.3	1.0	61.5	0.4	87.8	1.3	88.6	0.5	66.5	2.0	68.5	0.8	26.4	1.6	23.1	0.7	36.6	3.4	46.2	1.3
2007	59.7	1.2	61.6	0.5	86.7	1.5	89.6	0.6	66.4	2.3	66.5	0.9	24.3	1.8	23.2	0.8	41.4	4.2	45.7	1.4

A.41.

5-Year Relative Survival Rates for
Invasive Cancers (All Sites) by Year of Diagnosis,
Black Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	50.0	1.2	50.9	0.8	80.1	1.8	84.5	1.1	48.8	2.4	49.5	1.5	18.9	1.8	13.8	1.0	26.2	2.7	31.8	1.8
1996	48.5	1.2	50.9	0.7	79.5	1.8	82.8	1.1	50.3	2.4	53.4	1.4	15.0	1.6	13.2	1.0	24.1	2.7	35.6	1.8
1997	49.7	1.2	52.3	0.7	79.4	1.8	85.5	1.1	53.0	2.4	54.0	1.4	17.7	1.7	13.6	1.0	26.3	2.8	33.3	1.7
1998	51.0	1.1	52.3	0.7	81.0	1.7	85.2	1.1	52.5	2.2	53.3	1.4	16.8	1.7	14.9	1.0	27.3	2.8	33.0	1.8
1999	52.1	1.1	54.3	0.7	80.0	1.7	85.2	1.0	54.8	2.2	56.0	1.4	16.4	1.6	14.9	1.0	34.9	3.0	38.0	1.9
2000	52.3	1.1	53.0	0.5	84.3	1.7	85.2	0.7	54.0	2.3	55.3	0.9	17.4	1.6	15.0	0.7	32.0	3.0	35.6	1.2
2001	54.5	1.2	53.4	0.5	84.9	1.7	85.2	0.7	53.9	2.3	54.5	0.9	22.8	1.8	15.0	0.7	29.3	3.5	38.0	1.3
2002	52.2	1.1	54.0	0.5	82.8	1.7	83.6	0.7	50.5	2.1	56.7	0.9	21.6	1.7	16.0	0.7	29.9	3.4	40.7	1.3
2003	54.0	1.1	53.9	0.5	83.0	1.7	83.6	0.7	56.0	2.2	57.9	0.9	23.2	1.8	16.1	0.7	32.5	3.0	41.2	1.3
2004	52.2	1.1	54.7	0.5	83.2	1.6	85.1	0.7	58.6	2.4	58.8	0.9	23.3	1.9	16.6	0.6	22.5	2.0	39.5	1.3
2005	54.1	1.2	54.9	0.5	84.8	1.7	85.2	0.7	52.2	2.4	56.2	1.0	19.8	1.7	17.2	0.7	44.4	3.6	44.0	1.5

Cancer Incidence, Mortality and Survival Tables

B: Female Cancers of the Breast

B.1.

Numbers of Invasive Female Cancers of the Breast and
Age-Adjusted Incidence Rates by Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	5384	122.9 ±3.3	124.2	---
1986	5582	125.7 ±3.3	126.9	---
1987	5915	130.3 ±3.3	134.5	---
1988	6076	132.4 ±3.3	131.3	---
1989	6193	133.8 ±3.3	127.2	---
1990	6704	142.6 ±3.3	131.8	---
1991	6759	141.8 ±3.3	133.9	---
1992	6642	137.4 ±3.2	132.0	---
1993	6502	132.6 ±3.2	129.2	---
1994	6413	129.3 ±3.1	130.9	---
1995	6774	134.6 ±3.1	132.6	---
1996	6641	130.1 ±3.1	133.6	---
1997	6965	134.5 ±3.1	137.9	---
1998	7079	135.2 ±3.1	141.3	---
1999	7192	135.6 ±3.1	141.4	134.6
2000	7287	135.8 ±3.0	136.4	132.0
2001	7290	133.9 ±3.0	138.6	131.5
2002	7262	131.2 ±3.0	135.6	128.5
2003	7019	125.3 ±2.9	126.7	121.8
2004	6978	122.2 ±2.8	127.7	120.4
2005	6934	120.5 ±2.8	126.0	120.0
2006	6967	119.3 ±2.8	125.6	120.9
2007	7078	120.3 ±2.8	127.5	122.0
2008	6858	116.2 ±2.7	127.7	121.9
2009	7147	119.8 ±2.8	130.1	---

--- Not available

B.2.

Age-Adjusted Incidence Rates for
Invasive Female Cancers of the Breast by Race,
Female Michigan Residents, 1985-2009

Year of Diagnosis	All Races	White	Black
1985	122.9	123.3	114.2
1986	125.7	127.1	113.2
1987	130.3	132.4	108.8
1988	132.4	133.6	118.8
1989	133.8	135.3	117.3
1990	142.6	143.8	129.9
1991	141.8	143.1	125.7
1992	137.4	137.5	130.6
1993	132.6	133.3	120.7
1994	129.3	128.3	126.1
1995	134.6	135.0	129.5
1996	130.1	130.9	119.5
1997	134.5	135.6	127.8
1998	135.2	136.7	122.9
1999	135.6	137.3	125.0
2000	135.8	137.8	124.3
2001	133.9	136.5	118.5
2002	131.2	132.2	121.9
2003	125.3	126.4	115.1
2004	122.2	122.9	116.5
2005	120.5	121.1	115.5
2006	119.3	119.1	121.1
2007	120.3	118.7	113.4
2008	116.2	115.1	110.1
2009	119.8	118.0	118.1

B.3.

Numbers of Deaths Due to Invasive Female Cancers of
the Breast and Age-Adjusted Mortality Rates by Year,
Female Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	1,513	34.0 ±1.7	33.0
1986	1,546	34.6 ±1.7	32.9
1987	1,573	34.5 ±1.7	32.7
1988	1,588	34.4 ±1.6	33.2
1989	1,639	34.8 ±1.6	33.2
1990	1,607	34.0 ±1.6	33.1
1991	1,629	33.9 ±1.6	32.7
1992	1,583	32.1 ±1.5	31.6
1993	1,526	30.6 ±1.5	31.4
1994	1,666	32.7 ±1.5	30.9
1995	1,692	32.8 ±1.5	30.6
1996	1,593	30.3 ±1.4	29.5
1997	1,538	28.9 ±1.4	28.2
1998	1,459	27.0 ±1.3	27.5
1999	1,530	27.8 ±1.3	26.6
2000	1,494	27.1 ±1.3	26.6
2001	1,471	26.1 ±1.3	26.0
2002	1,508	26.5 ±1.3	25.6
2003	1,425	24.6 ±1.2	25.2
2004	1,417	24.0 ±1.2	24.4
2005	1,408	23.7 ±1.2	24.1
2006	1,487	24.4 ±1.2	23.5
2007	1,456	23.6 ±1.2	22.9
2008	1,471	23.9 ±1.2	22.5
2009	1,406	22.6 ±1.1	22.2
2010	1,492	23.8 ±1.2	---

--- Not available

B.4.

Age-Adjusted Mortality Rates Due to
Invasive Female Cancers of the Breast by Race,
Female Michigan Residents, 1985-2010

Year	All Races	White	Black
1970	33.3	33.3	31.9
1971	31.4	31.4	31.8
1972	33.7	33.7	33.5
1973	34.8	34.9	35.2
1974	33.5	33.8	30.6
1975	34.8	35.8	25.5
1976	32.1	32.5	28.4
1977	33.2	32.9	36.3
1978	33.2	33.1	35.1
1979	31.5	31.4	33.1
1980	31.7	31.7	31.5
1981	34.2	34.3	34.8
1982	35.1	35.4	33.8
1983	33.3	33.1	35.4
1984	34.8	34.1	40.3
1985	34.0	33.6	38.1
1986	34.6	34.5	35.9
1987	34.5	34.1	37.9
1988	34.4	33.3	44.0
1989	34.8	34.5	37.1
1990	34.0	33.1	41.5
1991	33.9	33.0	40.5
1992	32.1	31.2	37.5
1993	30.6	29.6	38.7
1994	32.7	31.8	39.7
1995	32.8	31.7	40.0
1996	30.3	29.0	38.5
1997	28.9	27.8	37.1
1998	27.0	26.1	34.6
1999	27.8	26.8	35.1
2000	27.1	26.0	34.9
2001	26.1	24.9	35.7
2002	26.5	25.3	36.4
2003	24.6	23.5	32.4
2004	24.0	22.6	32.2
2005	23.7	22.7	31.3
2006	24.4	23.1	34.2
2007	23.6	22.7	31.9
2008	23.9	22.6	34.4
2009	22.6	21.4	31.0
2010	23.8	22.2	33.7

B.5.

Numbers and Percents of Female Cancers of the Breast
by Stage and Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	5,756	372	6.5	2,507	43.6	1,724	30.0	389	6.8	764	13.3
1986	6,037	455	7.5	2,637	43.7	1,746	28.9	368	6.1	831	13.8
1987	6,481	566	8.7	2,900	44.7	1,725	26.6	336	5.2	954	14.7
1988	6,727	651	9.7	3,036	45.1	1,901	28.3	399	5.9	740	11.0
1989	6,923	730	10.5	2,999	43.3	1,697	24.5	357	5.2	1,140	16.5
1990	7,524	820	10.9	3,485	46.3	1,744	23.2	359	4.8	1,116	14.8
1991	7,607	848	11.1	3,698	48.6	1,721	22.6	379	5.0	961	12.6
1992	7,574	932	12.3	3,897	51.5	1,679	22.2	345	4.6	721	9.5
1993	7,504	1,002	13.4	3,835	51.1	1,662	22.1	320	4.3	685	9.1
1994	7,530	1,117	14.8	3,703	49.2	1,714	22.8	299	4.0	697	9.3
1995	8,063	1,289	16.0	3,981	49.4	1,782	22.1	291	3.6	720	8.9
1996	8,034	1,393	17.3	4,061	50.5	1,695	21.1	306	3.8	579	7.2
1997	8,472	1,507	17.8	4,255	50.2	1,771	20.9	306	3.6	633	7.5
1998	8,749	1,670	19.1	4,262	48.7	1,886	21.6	323	3.7	608	6.9
1999	8,892	1,700	19.1	4,411	49.6	1,924	21.6	278	3.1	579	6.5
2000	9,068	1,781	19.6	4,428	48.8	1,961	21.6	301	3.3	597	6.6
2001	9,198	1,908	20.7	4,406	47.9	1,973	21.5	330	3.6	581	6.3
2002	9,248	1,986	21.5	4,383	47.4	2,111	22.8	301	3.3	467	5.0
2003	8,862	1,843	20.8	4,204	47.4	2,009	22.7	275	3.1	531	6.0
2004	8,723	1,745	20.0	4,117	47.2	2,072	23.8	328	3.8	461	5.3
2005	8,737	1,803	20.6	4,202	48.1	2,008	23.0	326	3.7	398	4.6
2006	8,941	1,974	22.1	4,182	46.8	2,104	23.5	363	4.1	318	3.6
2007	9,020	1,942	21.5	4,434	49.2	1,990	22.1	361	4.0	293	3.2
2008	8,804	1,946	22.1	4,193	47.6	1,956	22.2	406	4.6	303	3.4
2009	9,199	2,052	22.3	4,487	48.8	1,997	21.7	409	4.4	254	2.8

B.6.

Numbers and Percents of Female Cancers of the Breast
by Stage and Year of Diagnosis,
White Female Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	5,106	327	6.4	2,272	44.5	1,484	29.1	336	6.6	687	13.5
1986	5,381	413	7.7	2,371	44.1	1,521	28.3	319	5.9	757	14.1
1987	5,791	510	8.8	2,618	45.2	1,514	26.1	283	4.9	866	15.0
1988	5,963	569	9.5	2,736	45.9	1,661	27.9	325	5.5	672	11.3
1989	6,142	641	10.4	2,688	43.8	1,482	24.1	307	5.0	1,024	16.7
1990	6,669	736	11.0	3,124	46.8	1,522	22.8	289	4.3	998	15.0
1991	6,728	748	11.1	3,302	49.1	1,484	22.1	311	4.6	883	13.1
1992	6,635	816	12.3	3,485	52.5	1,407	21.2	284	4.3	643	9.7
1993	6,577	872	13.3	3,428	52.1	1,406	21.4	271	4.1	600	9.1
1994	6,527	978	15.0	3,271	50.1	1,431	21.9	234	3.6	613	9.4
1995	7,032	1,119	15.9	3,525	50.1	1,528	21.7	247	3.5	613	8.7
1996	7,018	1,212	17.3	3,596	51.2	1,444	20.6	242	3.4	524	7.5
1997	7,388	1,305	17.7	3,800	51.4	1,496	20.2	246	3.3	541	7.3
1998	7,622	1,423	18.7	3,817	50.1	1,568	20.6	273	3.6	541	7.1
1999	7,757	1,466	18.9	3,939	50.8	1,614	20.8	227	2.9	511	6.6
2000	7,917	1,525	19.3	3,963	50.1	1,662	21.0	242	3.1	525	6.6
2001	8,046	1,643	20.4	3,936	48.9	1,684	20.9	262	3.3	521	6.5
2002	7,985	1,685	21.1	3,894	48.8	1,770	22.2	228	2.9	408	5.1
2003	7,651	1,572	20.5	3,723	48.7	1,684	22.0	209	2.7	463	6.1
2004	7,506	1,500	20.0	3,613	48.1	1,760	23.4	248	3.3	385	5.1
2005	7,485	1,529	20.4	3,663	48.9	1,709	22.8	247	3.3	337	4.5
2006	7,583	1,654	21.8	3,632	47.9	1,751	23.1	277	3.7	269	3.5
2007	7,551	1,595	21.1	3,808	50.4	1,620	21.5	278	3.7	250	3.3
2008	7,391	1,605	21.7	3,604	48.8	1,610	21.8	319	4.3	253	3.4
2009	7,682	1,698	22.1	3,835	49.9	1,643	21.4	318	4.1	188	2.4

B.7.

Numbers and Percents of Female Cancers of the Breast
by Stage and Year of Diagnosis,
Black Female Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	576	35	6.1	207	35.9	224	38.9	50	8.7	60	10.4
1986	583	32	5.5	235	40.3	207	35.5	45	7.7	64	11.0
1987	606	49	8.1	257	42.4	183	30.2	52	8.6	65	10.7
1988	675	69	10.2	271	40.1	220	32.6	68	10.1	47	7.0
1989	702	82	11.7	277	39.5	197	28.1	47	6.7	99	14.1
1990	763	68	8.9	319	41.8	207	27.1	65	8.5	104	13.6
1991	760	72	9.5	339	44.6	215	28.3	64	8.4	70	9.2
1992	816	89	10.9	359	44.0	246	30.1	58	7.1	64	7.8
1993	781	95	12.2	342	43.8	232	29.7	48	6.1	64	8.2
1994	847	111	13.1	355	41.9	252	29.8	63	7.4	66	7.8
1995	909	141	15.5	410	45.1	232	25.5	40	4.4	86	9.5
1996	875	149	17.0	397	45.4	228	26.1	62	7.1	39	4.5
1997	982	186	18.9	410	41.8	257	26.2	56	5.7	73	7.4
1998	1,004	221	22.0	398	39.6	285	28.4	47	4.7	53	5.3
1999	1,015	208	20.5	421	41.5	283	27.9	45	4.4	58	5.7
2000	1,035	233	22.5	415	40.1	277	26.8	57	5.5	53	5.1
2001	1,017	238	23.4	414	40.7	257	25.3	61	6.0	47	4.6
2002	1,067	246	23.1	406	38.1	296	27.7	71	6.7	48	4.5
2003	1,001	205	20.5	408	40.8	271	27.1	60	6.0	57	5.7
2004	1,027	199	19.4	428	41.7	266	25.9	77	7.5	57	5.6
2005	1,032	206	20.0	443	42.9	260	25.2	75	7.3	48	4.7
2006	1,170	277	23.7	463	39.6	313	26.8	81	6.9	36	3.1
2007	1,091	250	22.9	441	40.4	287	26.3	79	7.2	34	3.1
2008	1,082	254	23.5	447	41.3	275	25.4	78	7.2	28	2.6
2009	1,174	278	23.7	488	41.6	288	24.5	82	7.0	38	3.2

B.8.

Numbers and Percents of Invasive Female Cancers of the Breast
by Race and First Course of Treatment,
Female Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	1,862	26.1	1,531	25.6	257	28.7
Radiation	14	0.2	11	0.2	2	0.2
Chemotherapy	173	2.4	108	1.8	62	6.9
Hormone Therapy	81	1.1	64	1.1	16	1.8
Surgery & Radiation	606	8.5	548	9.2	45	5.0
Surgery & Chemotherapy	1,236	17.3	1,009	16.9	179	20.0
Surgery & Hormone Therapy	581	8.1	517	8.6	43	4.8
Surgery & Immunotherapy	1	0.0	1	0.0	0	0.0
Radiation & Chemotherapy	22	0.3	13	0.2	9	1.0
Radiation & Hormone Therapy	25	0.3	18	0.3	6	0.7
Chemotherapy & Hormone Therapy	29	0.4	25	0.4	4	0.4
Surgery, Radiation & Chemotherapy	424	5.9	375	6.3	36	4.0
Surgery, Radiation & Hormone Therapy	937	13.1	850	14.2	62	6.9
Surgery, Chemotherapy & Hormone Therapy	217	3.0	190	3.2	20	2.2
Surgery, Chemotherapy & Immunotherapy	2	0.0	2	0.0	0	0.0
Radiation, Chemotherapy & Hormone Therapy	14	0.2	14	0.2	0	0.0
Surgery, Radiation, Chemotherapy & Hormone Therapy	297	4.2	267	4.5	20	2.2
Unknown	190	2.7	134	2.2	28	3.1
None	436	6.1	307	5.1	107	11.9
Total	7,147	100.0	5,984	100.0	896	100.0

B.9.

1-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	96.0	0.3	97.3	0.2	100.0	0.2	100.0	0.1	96.7	0.6	98.2	0.2	56.7	3.2	65.0	1.5	86.2	1.6	87.0	1.6
1996	95.4	0.3	97.4	0.1	99.9	0.2	100.0	0.1	97.0	0.6	98.0	0.2	52.1	3.1	66.2	1.4	80.5	2.1	88.2	1.6
1997	96.0	0.3	97.5	0.1	99.9	0.2	100.0	0.1	96.9	0.5	98.1	0.2	53.4	3.2	68.5	1.4	84.9	1.8	85.4	1.6
1998	96.4	0.3	97.7	0.1	99.6	0.3	100.0	0.1	98.2	0.5	98.3	0.2	60.7	3.0	69.9	1.4	85.5	1.8	81.1	2.0
1999	96.7	0.3	97.8	0.1	100.0	0.2	100.0	0.1	97.0	0.5	98.0	0.2	59.7	3.2	69.0	1.4	85.3	2.0	82.0	2.1
2000	96.7	0.3	97.4	0.1	100.0	0.2	100.0	0.1	96.8	0.5	98.4	0.2	58.8	3.2	67.5	0.9	87.0	2.0	86.7	1.1
2001	96.6	0.3	97.5	0.1	100.0	0.2	100.0	0.1	97.0	0.5	98.4	0.1	62.2	3.0	68.4	0.9	87.6	1.8	84.6	1.3
2002	96.7	0.3	97.5	0.1	100.0	0.2	100.0	0.1	97.4	0.5	98.2	0.2	57.1	3.2	69.9	0.9	81.1	2.5	82.0	1.4
2003	96.1	0.3	97.5	0.1	100.0	0.2	100.0	0.1	98.0	0.5	98.5	0.1	63.3	3.3	68.7	0.9	64.7	2.6	81.4	1.4
2004	96.4	0.3	97.5	0.1	100.0	0.2	100.0	0.1	98.3	0.4	98.5	0.1	64.7	3.0	70.5	0.9	71.1	2.6	79.8	1.6
2005	97.1	0.3	97.5	0.1	100.0	0.2	100.0	0.1	98.4	0.4	98.4	0.2	55.3	3.1	70.8	0.9	84.1	2.5	78.0	1.7
2006	96.6	0.3	97.7	0.1	100.0	0.2	100.0	0.1	97.4	0.5	98.5	0.1	60.0	2.8	72.0	0.9	82.8	3.1	78.2	1.7
2007	96.5	0.3	97.5	0.1	100.0	0.2	100.0	0.1	97.4	0.5	98.4	0.1	67.0	2.8	72.4	0.9	63.9	3.7	74.7	1.8
2008	96.8	0.3	97.5	0.1	100.0	0.2	100.0	0.1	97.6	0.5	98.6	0.1	69.2	2.6	71.7	0.9	74.9	3.6	75.9	1.8
2009	95.2	0.5	96.8	0.1	99.8	0.4	100.0	0.1	96.5	0.8	98.5	0.2	61.2	3.7	67.3	1.2	68.8	5.3	67.6	2.6

B.10.

3-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	89.9	0.5	91.4	0.3	98.3	0.5	99.1	0.2	86.0	1.0	87.7	0.5	30.4	3.0	35.4	1.5	75.8	2.1	69.5	2.3
1996	89.5	0.5	91.3	0.3	98.5	0.5	99.0	0.2	86.6	1.1	87.9	0.5	26.2	2.8	36.8	1.5	66.3	2.6	67.6	2.3
1997	90.1	0.5	92.1	0.3	98.4	0.5	99.3	0.2	86.2	1.0	89.3	0.5	25.4	2.8	38.2	1.4	73.4	2.4	69.6	2.2
1998	90.9	0.5	92.8	0.2	98.4	0.5	99.5	0.2	87.6	1.0	90.1	0.5	35.1	3.0	41.3	1.5	75.8	2.4	69.2	2.5
1999	91.4	0.5	93.2	0.2	99.1	0.5	99.9	0.2	87.2	1.0	90.7	0.4	27.1	3.0	41.0	1.5	75.7	2.6	66.7	2.7
2000	92.2	0.5	92.6	0.2	99.1	0.5	99.7	0.2	87.9	0.9	90.8	0.3	38.6	3.2	40.1	1.0	77.6	2.6	72.3	1.6
2001	92.3	0.5	92.6	0.2	99.9	0.4	99.5	0.2	87.4	1.0	90.7	0.3	37.0	3.0	39.7	1.0	81.8	2.3	72.5	1.7
2002	92.4	0.5	92.7	0.2	100.0	0.4	99.6	0.2	88.9	0.9	90.8	0.3	36.7	3.2	41.3	1.0	63.9	3.1	68.0	1.8
2003	91.6	0.5	92.6	0.2	100.0	0.4	99.5	0.2	89.3	0.9	91.1	0.3	37.7	3.4	41.7	1.0	55.8	2.8	62.9	1.9
2004	90.8	0.5	92.5	0.2	98.8	0.5	99.5	0.2	89.6	0.9	91.3	0.3	35.5	3.0	41.5	1.0	59.4	2.9	61.7	2.0
2005	92.4	0.5	92.9	0.2	99.1	0.5	99.3	0.2	90.7	0.9	92.0	0.3	32.9	2.9	44.2	1.0	77.0	3.0	61.9	2.2
2006	91.4	0.5	93.0	0.2	98.9	0.5	99.7	0.2	89.0	0.9	91.9	0.3	36.6	2.8	44.6	1.0	70.2	3.9	61.0	2.1
2007	91.7	0.6	92.8	0.2	99.4	0.5	99.8	0.2	89.7	1.1	91.5	0.4	34.4	3.3	44.5	1.1	61.2	3.8	53.8	2.4

B.11.

5-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	85.2	0.6	86.7	0.3	96.1	0.7	97.5	0.3	77.5	1.3	78.4	0.7	18.9	2.6	23.2	1.4	68.8	2.4	62.7	2.5
1996	84.9	0.6	87.1	0.3	96.2	0.7	97.5	0.3	77.8	1.3	80.2	0.6	18.9	2.5	23.8	1.3	60.1	2.8	56.3	2.5
1997	85.8	0.6	88.3	0.3	96.8	0.6	98.1	0.3	76.9	1.3	82.1	0.6	15.5	2.4	24.9	1.3	67.6	2.6	63.5	2.4
1998	86.9	0.6	89.1	0.3	96.9	0.6	98.6	0.3	80.6	1.2	82.8	0.6	23.0	2.7	28.1	1.4	68.1	2.7	59.2	2.8
1999	88.2	0.6	89.7	0.3	98.1	0.6	98.9	0.3	80.9	1.2	84.8	0.6	18.9	2.7	24.9	1.3	69.0	2.9	57.4	3.0
2000	88.9	0.6	88.7	0.2	97.8	0.6	98.2	0.2	81.1	1.1	84.2	0.4	29.1	3.1	27.5	0.9	74.1	2.9	64.3	1.7
2001	88.2	0.6	89.1	0.2	97.9	0.6	98.4	0.2	80.7	1.2	84.6	0.4	23.6	2.7	28.0	0.9	77.5	2.6	63.0	1.9
2002	89.2	0.6	89.1	0.2	99.3	0.6	98.7	0.2	83.0	1.1	84.5	0.4	25.1	2.9	28.4	0.9	58.5	3.3	57.3	1.9
2003	87.4	0.6	88.8	0.2	97.8	0.6	98.3	0.2	82.9	1.1	85.0	0.4	23.0	3.0	27.8	0.9	50.6	2.9	51.5	2.0
2004	86.9	0.6	88.8	0.2	97.3	0.6	98.5	0.2	82.9	1.1	85.2	0.4	21.9	2.7	28.1	0.9	53.8	3.1	49.3	2.1
2005	88.3	0.6	89.0	0.2	97.8	0.7	98.2	0.2	83.2	1.2	85.5	0.4	19.1	2.8	29.5	1.0	68.6	3.8	46.4	2.6

B.12.

1-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
White Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	96.3	0.3	97.6	0.2	100.0	0.3	100.0	0.1	97.2	0.6	98.4	0.3	55.8	3.4	66.4	1.6	86.6	1.8	86.7	1.9
1996	95.6	0.4	97.7	0.2	99.9	0.3	100.0	0.1	97.1	0.6	98.2	0.3	53.5	3.4	68.2	1.6	81.3	2.1	86.9	1.9
1997	96.6	0.3	97.7	0.2	100.0	0.3	100.0	0.1	97.4	0.6	98.3	0.3	53.9	3.6	69.4	1.5	87.1	1.9	84.3	1.9
1998	96.8	0.3	97.9	0.2	99.7	0.3	100.0	0.1	98.4	0.5	98.4	0.3	61.4	3.3	71.1	1.5	86.6	1.9	79.4	2.4
1999	96.8	0.3	98.0	0.1	100.0	0.2	100.0	0.1	97.2	0.6	98.2	0.2	58.8	3.6	68.6	1.5	85.2	2.1	81.6	2.4
2000	97.3	0.3	97.7	0.1	100.0	0.2	100.0	0.1	97.5	0.5	98.6	0.2	60.6	3.6	68.0	1.0	86.9	2.2	86.1	1.3
2001	96.9	0.3	97.8	0.1	100.0	0.3	100.0	0.1	97.5	0.5	98.6	0.2	61.0	3.3	69.0	1.0	88.0	1.9	84.8	1.4
2002	97.2	0.3	97.7	0.1	100.0	0.2	100.0	0.1	97.9	0.5	98.2	0.2	61.1	3.6	70.8	1.0	80.5	2.7	81.2	1.6
2003	96.2	0.3	97.8	0.1	100.0	0.2	100.0	0.1	98.1	0.5	98.7	0.2	60.5	3.9	69.6	1.1	62.7	2.8	80.2	1.7
2004	96.8	0.3	97.8	0.1	100.0	0.2	100.0	0.1	98.3	0.5	98.8	0.2	64.3	3.4	71.2	1.0	73.4	2.8	79.2	1.8
2005	97.3	0.3	97.9	0.1	100.0	0.2	100.0	0.1	98.4	0.5	98.5	0.2	55.8	3.5	73.0	1.0	82.3	2.8	76.2	2.0
2006	97.2	0.3	98.0	0.1	100.0	0.2	100.0	0.1	97.5	0.5	98.7	0.2	62.3	3.2	73.6	1.0	83.8	3.4	75.2	2.0
2007	96.7	0.3	97.8	0.1	100.0	0.2	100.0	0.1	97.4	0.5	98.5	0.2	68.5	3.1	73.6	1.0	61.1	4.1	71.4	2.1
2008	97.1	0.3	97.7	0.1	100.0	0.2	100.0	0.1	97.9	0.5	98.8	0.2	68.8	2.9	72.2	1.0	71.4	4.1	70.7	2.3
2009	95.3	0.5	97.0	0.2	99.9	0.4	100.0	0.1	96.4	0.9	98.7	0.2	61.3	4.1	67.4	1.3	63.4	6.5	66.0	3.1

B.13.

3-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
White Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	91.0	0.5	92.2	0.3	98.8	0.5	99.4	0.3	87.7	1.1	89.0	0.6	30.6	3.3	36.6	1.7	77.4	2.3	69.9	2.6
1996	90.1	0.6	92.3	0.3	98.9	0.5	99.3	0.3	86.9	1.1	89.2	0.6	26.7	3.1	38.9	1.7	67.0	2.7	65.7	2.7
1997	91.6	0.5	92.9	0.3	99.0	0.5	99.7	0.3	87.9	1.1	90.6	0.5	25.1	3.2	40.4	1.6	76.5	2.6	69.2	2.5
1998	91.8	0.5	93.6	0.3	98.6	0.5	99.8	0.3	88.7	1.0	91.1	0.5	35.9	3.3	43.6	1.7	78.1	2.5	67.5	3.0
1999	92.1	0.5	94.0	0.3	99.4	0.5	100.0	0.3	88.0	1.0	91.6	0.5	27.4	3.3	43.0	1.7	75.9	2.7	68.8	3.1
2000	93.4	0.5	93.4	0.2	99.5	0.5	100.0	0.2	89.7	1.0	91.5	0.3	40.7	3.7	41.4	1.1	77.2	2.9	72.7	1.7
2001	93.2	0.5	93.6	0.2	100.0	0.3	99.8	0.2	88.6	1.0	91.9	0.3	38.2	3.4	41.2	1.1	82.4	2.4	72.8	1.9
2002	93.6	0.5	93.7	0.2	100.0	0.2	100.0	0.2	90.7	0.9	91.7	0.3	39.8	3.7	43.6	1.1	63.4	3.3	68.8	2.0
2003	92.6	0.5	93.7	0.2	100.0	0.2	100.0	0.2	90.1	1.0	92.3	0.3	35.4	3.9	44.0	1.2	55.5	3.0	61.5	2.1
2004	91.9	0.5	93.4	0.2	99.2	0.5	99.8	0.2	90.4	0.9	92.2	0.3	35.3	3.5	43.3	1.1	63.0	3.2	62.0	2.3
2005	93.4	0.5	93.8	0.2	99.5	0.5	99.9	0.2	91.7	0.9	92.6	0.3	35.7	3.5	46.6	1.2	75.4	3.4	61.4	2.5
2006	92.7	0.5	94.0	0.2	99.3	0.5	100.0	0.2	90.1	0.9	92.8	0.3	39.7	3.3	47.2	1.1	70.5	4.3	57.9	2.5
2007	92.5	0.6	93.5	0.2	99.8	0.6	100.0	0.2	90.1	1.2	92.3	0.4	36.8	3.9	45.1	1.3	58.3	4.2	49.8	2.7

B.14.

5-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
White Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	86.6	0.7	87.9	0.4	96.8	0.7	98.1	0.4	79.8	1.3	80.1	0.7	18.9	2.8	24.5	1.5	70.9	2.6	62.4	2.9
1996	85.7	0.7	88.3	0.4	96.8	0.7	97.9	0.4	78.0	1.4	82.1	0.7	19.4	2.8	25.0	1.5	60.8	2.9	54.7	2.9
1997	87.7	0.6	89.4	0.3	97.6	0.7	98.7	0.4	79.3	1.4	83.9	0.7	15.9	2.7	26.2	1.5	70.9	2.9	62.9	2.8
1998	88.1	0.6	90.3	0.3	97.2	0.7	99.3	0.3	81.8	1.3	84.1	0.6	24.1	3.0	30.2	1.6	71.0	2.9	59.1	3.3
1999	89.2	0.6	90.7	0.3	98.5	0.6	99.4	0.3	82.0	1.3	85.8	0.6	19.3	3.0	26.7	1.5	69.0	3.1	59.4	3.4
2000	90.2	0.6	89.7	0.2	98.5	0.6	98.7	0.2	82.8	1.2	85.3	0.4	29.4	3.5	28.6	1.0	73.9	3.2	65.5	1.9
2001	89.3	0.6	90.4	0.2	98.2	0.6	99.0	0.2	82.1	1.2	86.1	0.4	22.6	3.0	29.8	1.1	78.0	2.8	63.4	2.1
2002	90.8	0.6	90.5	0.2	99.8	0.6	99.5	0.2	85.3	1.2	85.9	0.4	26.5	3.4	30.9	1.1	58.5	3.5	58.5	2.2
2003	89.0	0.6	90.2	0.2	98.6	0.6	99.1	0.2	84.8	1.2	86.4	0.4	20.9	3.4	29.3	1.1	50.5	3.2	51.1	2.3
2004	88.2	0.6	90.2	0.2	97.8	0.7	99.1	0.2	84.0	1.2	86.6	0.4	22.2	3.1	29.9	1.1	55.9	3.4	49.4	2.4
2005	89.8	0.7	90.3	0.3	98.5	0.7	99.1	0.3	85.1	1.3	86.7	0.5	21.2	3.3	31.2	1.2	68.3	4.0	44.3	3.0

B.15.

1-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
Black Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	93.7	1.1	94.7	0.6	100.0	0.8	100.0	0.5	93.0	2.0	95.9	1.0	59.6	8.4	57.0	4.4	80.7	5.2	82.6	4.7
1996	92.9	1.2	94.1	0.6	100.0	0.7	99.8	0.5	95.9	1.7	95.8	1.0	47.3	7.1	56.1	3.9	63.8	9.1	95.1	3.4
1997	91.2	1.2	94.5	0.6	99.1	0.9	99.8	0.5	94.0	1.8	96.6	0.9	48.8	7.2	58.5	4.0	65.9	6.7	86.0	4.4
1998	93.8	1.1	95.0	0.6	98.4	1.1	99.8	0.5	97.8	1.2	96.9	0.9	56.1	7.9	60.7	4.0	71.0	7.1	83.6	4.7
1999	95.1	1.0	95.3	0.6	100.0	0.7	100.0	0.4	95.4	1.5	95.9	0.9	57.9	8.1	66.5	3.8	83.2	6.5	79.7	6.8
2000	92.0	1.2	94.3	0.4	98.7	1.0	99.2	0.4	92.6	1.9	96.1	0.6	50.4	7.1	62.7	2.5	82.9	6.2	87.6	3.2
2001	93.8	1.1	94.7	0.4	100.0	0.8	100.0	0.3	93.3	1.8	96.3	0.6	63.6	7.0	65.7	2.4	75.8	8.4	82.0	4.0
2002	92.3	1.2	95.0	0.4	100.0	0.7	100.0	0.3	93.6	1.7	97.5	0.5	42.8	6.5	61.8	2.5	80.0	8.7	79.3	4.0
2003	94.6	1.0	94.6	0.4	99.8	0.8	99.7	0.3	96.9	1.4	96.8	0.5	71.3	6.4	64.7	2.4	73.0	6.9	81.1	3.9
2004	93.4	1.1	94.4	0.4	100.0	0.7	99.7	0.3	97.9	1.3	96.8	0.5	69.1	6.1	62.4	2.3	52.0	7.6	78.6	4.5
2005	95.2	1.0	93.7	0.4	100.0	0.8	99.0	0.4	97.8	1.3	96.9	0.6	56.5	6.4	60.3	2.3	96.8	4.4	80.0	5.0
2006	92.4	1.1	94.3	0.4	98.8	0.9	99.3	0.3	96.5	1.3	96.7	0.5	50.5	6.1	61.3	2.3	70.4	9.6	83.7	4.3
2007	92.8	1.1	95.1	0.4	98.0	1.1	99.7	0.3	96.1	1.5	97.5	0.5	59.9	6.3	64.4	2.2	*		80.4	4.8
2008	94.1	1.0	95.1	0.4	98.8	0.9	99.5	0.3	95.6	1.5	97.5	0.5	66.7	6.2	65.2	2.2	*		81.1	4.9
2009	93.2	1.6	94.3	0.5	99.3	1.2	99.9	0.4	97.0	2.1	97.4	0.7	61.6	8.3	64.1	2.9	*		64.1	7.4

* Statistic not displayed due to less than 25 cases.

B.16.

3-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
Black Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	80.4	1.8	81.5	1.1	93.9	1.9	96.2	1.0	74.0	3.4	74.1	2.0	23.5	7.3	21.3	3.7	58.3	6.6	54.8	6.4
1996	83.0	1.8	82.0	1.1	94.6	1.8	95.2	1.1	83.1	3.1	79.1	1.9	24.5	6.2	24.4	3.5	46.1	9.8	69.6	6.3
1997	78.8	1.8	82.8	1.0	92.5	1.9	95.8	1.0	76.8	3.1	80.4	1.8	24.3	6.5	22.2	3.4	45.3	7.2	66.0	6.2
1998	83.2	1.7	84.2	1.0	96.0	1.8	95.8	1.0	81.8	2.7	80.9	1.8	27.8	7.2	28.7	3.8	47.4	7.9	68.8	6.3
1999	85.1	1.6	84.6	1.0	96.3	1.7	97.7	0.9	82.2	2.7	81.9	1.7	19.2	6.6	27.0	3.6	67.9	8.8	46.8	8.5
2000	82.2	1.7	84.8	0.7	94.8	1.8	96.7	0.7	76.5	3.0	84.3	1.0	30.1	6.6	30.1	2.4	72.0	7.4	66.1	4.7
2001	83.6	1.7	83.6	0.7	96.1	1.7	97.0	0.7	78.3	3.0	81.1	1.1	31.4	6.8	31.6	2.4	69.6	9.5	63.7	5.2
2002	81.4	1.7	83.5	0.7	96.8	1.8	95.6	0.7	75.9	2.9	82.7	1.1	28.2	6.0	29.0	2.3	54.9	11.1	57.0	5.0
2003	82.0	1.7	83.2	0.7	93.1	2.0	95.8	0.7	82.3	2.8	82.3	1.0	42.0	7.1	31.8	2.3	48.8	7.9	57.7	5.1
2004	81.6	1.7	84.8	0.6	95.2	1.7	96.8	0.6	82.4	2.9	84.6	1.0	38.0	6.5	31.5	2.3	29.5	7.0	56.6	5.7
2005	84.5	1.6	84.6	0.7	95.5	1.7	95.7	0.7	82.4	2.9	85.8	1.1	25.1	5.7	31.4	2.3	88.6	7.5	54.3	6.3
2006	82.3	1.6	84.4	0.6	95.7	1.6	96.2	0.6	80.8	2.7	84.0	1.0	25.6	5.4	28.8	2.2	54.6	10.9	63.5	5.8
2007	83.3	1.9	85.9	0.7	94.7	2.0	96.8	0.7	85.2	3.1	85.3	1.2	23.5	6.3	37.3	2.6	*		56.5	6.9

* Statistic not displayed due to less than 25 cases.

B.17.

5-Year Relative Survival Rates for
Female Cancers of the Breast by Year of Diagnosis,
Black Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	72.9	2.1	74.3	1.3	90.0	2.4	92.2	1.4	62.2	3.8	61.6	2.3	14.9	6.2	12.4	3.1	45.8	6.9	48.1	6.6
1996	77.6	2.1	75.6	1.2	90.8	2.4	91.8	1.4	74.9	3.7	69.1	2.2	17.0	5.5	16.6	3.1	43.4	9.8	58.0	7.0
1997	70.9	2.0	75.6	1.2	89.3	2.4	92.3	1.4	63.1	3.5	67.8	2.2	12.4	5.3	11.9	2.8	35.2	7.1	59.4	6.7
1998	77.3	2.0	77.6	1.2	93.4	2.3	92.9	1.3	72.8	3.2	70.8	2.1	18.6	6.4	17.9	3.3	38.9	7.8	50.7	6.9
1999	80.0	1.9	79.9	1.1	93.9	2.2	95.4	1.2	74.2	3.2	75.4	1.9	11.4	5.4	16.8	3.1	59.9	9.8	38.1	8.9
2000	77.7	1.9	78.6	0.8	91.6	2.3	94.3	0.9	70.1	3.4	75.1	1.2	26.9	6.5	19.4	2.1	69.2	8.4	50.4	5.1
2001	78.8	2.0	76.9	0.8	93.8	2.2	93.3	0.9	70.4	3.4	72.0	1.3	25.7	6.5	20.0	2.1	62.6	10.4	55.8	5.6
2002	75.3	2.0	76.7	0.8	93.9	2.3	92.2	0.9	66.4	3.3	73.5	1.3	21.7	5.6	15.4	1.9	42.3	11.6	41.1	5.1
2003	73.4	2.0	76.6	0.8	88.6	2.5	91.9	0.9	69.2	3.3	74.4	1.2	27.3	6.6	19.0	2.0	42.5	7.9	46.4	5.3
2004	75.6	2.0	77.8	0.7	92.5	2.2	93.2	0.8	72.3	3.5	75.4	1.2	21.8	5.6	18.3	1.9	29.5	7.0	38.1	5.7
2005	75.2	2.2	77.3	0.8	90.3	2.6	92.4	1.0	69.1	3.9	74.2	1.5	13.2	5.0	19.5	2.1	69.4	12.3	42.7	6.8

Cancer Incidence, Mortality and Survival Tables

C: Cancers of the Lung and Bronchus

C.1.

Numbers of Invasive Cancers of the Lung and Bronchus
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	5,836	69.9 ±1.8	64.6	---
1986	5,923	70.6 ±1.8	65.8	---
1987	6,020	70.8 ±1.8	67.9	---
1988	6,229	72.6 ±1.8	68.0	---
1989	6,718	77.9 ±1.8	67.5	---
1990	6,710	76.7 ±1.8	68.1	---
1991	7,245	82.1 ±1.8	69.2	---
1992	7,143	79.7 ±1.8	69.4	---
1993	7,330	80.7 ±1.8	67.8	---
1994	7,223	78.8 ±1.8	67.2	---
1995	7,253	78.2 ±1.7	66.8	---
1996	7,239	77.0 ±1.7	66.4	---
1997	7,186	75.7 ±1.7	66.6	---
1998	7,354	76.7 ±1.7	67.5	---
1999	7,301	75.5 ±1.7	65.8	70.7
2000	7,351	74.9 ±1.6	64.1	70.0
2001	7,414	74.4 ±1.6	64.1	70.3
2002	7,412	73.2 ±1.6	63.9	69.9
2003	7,997	77.5 ±1.6	64.5	70.1
2004	7,672	72.8 ±1.6	62.0	69.4
2005	7,845	74.1 ±1.6	62.6	69.5
2006	7,786	72.1 ±1.6	61.9	68.4
2007	8,024	73.5 ±1.6	61.4	67.1
2008	7,692	69.5 ±1.5	59.6	65.1
2009	7,469	66.8 ±1.5	58.8	---

--- Not available

C.2.

Numbers of Invasive Cancers of the Lung and Bronchus
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Male Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	3,935	110.2 ±3.3	98.6	---
1986	3,946	110.4 ±3.3	99.1	---
1987	3,952	109.3 ±3.3	101.5	---
1988	3,984	109.4 ±3.3	98.7	---
1989	4,254	116.6 ±3.3	98.0	---
1990	4,207	113.0 ±3.3	96.9	---
1991	4,470	118.8 ±3.3	97.2	---
1992	4,383	114.4 ±3.2	97.2	---
1993	4,417	113.8 ±3.2	94.0	---
1994	4,299	109.4 ±3.1	90.9	---
1995	4,355	110.1 ±3.1	89.8	---
1996	4,235	105.2 ±3.0	88.0	---
1997	4,146	102.1 ±2.9	86.3	---
1998	4,157	100.8 ±2.9	88.0	---
1999	4,090	98.4 ±2.8	84.6	93.4
2000	4,172	98.6 ±2.8	82.0	91.4
2001	4,084	95.4 ±2.7	81.3	91.1
2002	4,085	94.1 ±2.7	80.2	89.7
2003	4,441	100.8 ±2.8	80.8	89.6
2004	4,140	92.2 ±2.7	76.0	88.0
2005	4,205	92.0 ±2.6	75.5	87.0
2006	4,156	89.6 ±2.6	73.8	84.9
2007	4,198	88.6 ±2.5	73.0	82.7
2008	4,106	84.4 ±2.5	71.3	79.5
2009	3,979	80.1 ±2.4	69.3	---

--- Not available

C.3.

Numbers of Invasive Cancers of the Lung and Bronchus
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	1,901	41.0 ±1.8	40.2	---
1986	1,977	42.5 ±1.9	42.3	---
1987	2,068	43.6 ±1.9	44.2	---
1988	2,244	46.9 ±1.9	46.3	---
1989	2,464	51.3 ±2.0	46.1	---
1990	2,502	51.1 ±2.0	47.8	---
1991	2,775	56.1 ±2.1	49.6	---
1992	2,760	54.9 ±2.0	49.9	---
1993	2,913	57.2 ±2.0	49.2	---
1994	2,924	56.8 ±2.0	50.5	---
1995	2,898	55.6 ±2.0	50.4	---
1996	3,003	57.2 ±2.0	51.2	---
1997	3,040	57.3 ±2.0	52.6	---
1998	3,197	59.7 ±2.0	53.0	---
1999	3,210	59.5 ±2.0	52.5	54.4
2000	3,179	58.3 ±2.0	51.2	54.5
2001	3,329	60.7 ±2.0	51.6	55.3
2002	3,326	59.7 ±2.0	52.4	55.5
2003	3,556	62.9 ±2.0	53.0	55.9
2004	3,530	61.9 ±2.0	51.8	55.8
2005	3,639	63.4 ±2.0	53.5	56.7
2006	3,630	62.3 ±2.0	53.1	56.4
2007	3,823	65.1 ±2.0	53.0	55.6
2008	3,581	59.9 ±1.9	51.2	54.5
2009	3,483	57.3 ±1.9	51.2	---

--- Not available

C.4.

Age-Adjusted Incidence Rates of
Invasive Cancers of the Lung and Bronchus by Race,
Michigan Residents, 1985-2009

Year of Diagnosis	All Races	White	Black
1985	69.9	66.2	100.6
1986	70.6	66.9	102.7
1987	70.8	68.5	92.5
1988	72.6	69.9	96.1
1989	77.9	75.6	96.5
1990	76.7	74.4	95.9
1991	82.1	79.5	104.4
1992	79.7	77.5	98.8
1993	80.7	78.5	99.3
1994	78.8	76.4	99.9
1995	78.2	76.0	97.7
1996	77.0	74.5	97.9
1997	75.7	73.9	90.2
1998	76.7	74.7	93.4
1999	75.5	73.0	96.4
2000	74.9	73.6	86.0
2001	74.4	73.1	89.0
2002	73.2	71.5	87.9
2003	77.5	75.9	93.3
2004	72.8	71.8	82.6
2005	74.1	73.2	83.2
2006	72.1	70.5	85.7
2007	73.5	72.4	83.0
2008	69.5	68.4	78.6
2009	66.8	65.3	74.4

C.5.

Age-Adjusted Incidence Rates of
Invasive Cancers of the Lung and Bronchus by Sex and Race,
Michigan Residents, 1985-2009

Year of Diagnosis	White Male	White Female	Black Male	Black Female
1985	103.4	39.8	168.4	50.6
1986	104.4	40.6	165.6	57.3
1987	104.2	43.4	156.8	46.8
1988	104.0	46.2	155.1	54.0
1989	113.4	50.0	147.2	60.3
1990	108.4	50.5	151.9	55.9
1991	114.0	55.1	162.3	63.3
1992	109.1	54.9	159.1	56.0
1993	109.3	56.5	154.6	61.6
1994	104.1	56.6	157.2	60.1
1995	104.8	55.4	156.2	58.6
1996	100.3	56.3	149.4	64.8
1997	98.1	56.7	137.8	60.6
1998	96.7	59.0	138.3	65.8
1999	93.7	58.3	140.0	69.9
2000	95.8	57.9	125.0	62.2
2001	92.1	60.4	127.9	66.8
2002	90.9	58.6	124.9	69.0
2003	96.4	62.7	145.0	66.1
2004	90.2	60.9	116.1	70.0
2005	90.0	62.6	113.0	71.8
2006	86.5	61.2	120.2	72.6
2007	85.8	64.7	116.0	70.2
2008	80.7	60.4	116.6	59.3
2009	77.4	56.3	101.0	61.9

C.6.

Numbers of Deaths Due to Invasive Cancers of the Lung and Bronchus and Age-Adjusted Mortality Rates by Year, Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	4,568	55.4 ±1.6	54.3
1986	4,552	54.7 ±1.5	55.0
1987	4,833	57.0 ±1.6	56.2
1988	4,909	57.6 ±1.6	57.0
1989	4,952	57.8 ±1.6	57.9
1990	5,022	57.9 ±1.5	58.9
1991	5,260	59.7 ±1.6	59.0
1992	5,503	61.7 ±1.6	58.9
1993	5,539	61.2 ±1.5	59.1
1994	5,396	58.9 ±1.5	58.5
1995	5,570	60.2 ±1.5	58.4
1996	5,653	60.4 ±1.5	57.9
1997	5,543	58.5 ±1.5	57.5
1998	5,547	57.9 ±1.5	57.1
1999	5,425	56.1 ±1.4	55.4
2000	5,534	56.5 ±1.4	55.8
2001	5,625	56.6 ±1.4	55.3
2002	5,665	56.0 ±1.4	55.0
2003	5,680	55.2 ±1.4	54.2
2004	5,822	55.3 ±1.4	53.4
2005	5,789	54.7 ±1.4	52.8
2006	5,816	54.0 ±1.3	51.7
2007	5,910	54.2 ±1.3	50.7
2008	5,883	53.2 ±1.3	49.6
2009	5,975	53.6 ±1.3	48.5
2010	5,915	52.3 ±1.3	---

--- Not available

C.7.

Numbers of Deaths Due to Invasive Cancers of the Lung and Bronchus and Age-Adjusted Mortality Rates by Year, Male Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	3,080	89.1 ±3.0	88.5
1986	3,185	91.6 ±3.0	89.0
1987	3,265	91.6 ±3.0	90.0
1988	3,217	89.7 ±3.0	89.9
1989	3,210	89.2 ±2.9	89.8
1990	3,264	90.4 ±2.9	90.6
1991	3,366	91.1 ±2.9	89.9
1992	3,438	91.8 ±2.9	88.0
1993	3,393	89.0 ±2.8	87.6
1994	3,358	87.0 ±2.7	85.7
1995	3,394	87.2 ±2.7	84.4
1996	3,397	86.1 ±2.7	82.8
1997	3,277	82.1 ±2.6	81.3
1998	3,230	79.8 ±2.5	79.9
1999	3,143	76.6 ±2.5	77.0
2000	3,165	76.2 ±2.4	76.5
2001	3,167	75.4 ±2.4	75.3
2002	3,190	74.8 ±2.4	73.7
2003	3,174	72.8 ±2.4	72.1
2004	3,288	74.5 ±2.4	70.5
2005	3,274	72.7 ±2.3	69.7
2006	3,223	70.5 ±2.3	67.6
2007	3,238	69.4 ±2.2	65.4
2008	3,229	67.4 ±2.2	64.0
2009	3,303	67.8 ±2.2	62.0
2010	3,228	64.7 ±2.1	---

--- Not available

C.8.

Numbers of Deaths Due to Invasive Cancers of the Lung and Bronchus and Age-Adjusted Mortality Rates by Year, Female Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	1,488	32.2 ±1.6	30.4
1986	1,367	29.2 ±1.5	31.4
1987	1,568	32.9 ±1.6	32.7
1988	1,692	35.2 ±1.7	34.1
1989	1,742	36.0 ±1.7	35.8
1990	1,755	35.8 ±1.7	36.8
1991	1,894	37.8 ±1.7	37.6
1992	2,065	40.7 ±1.7	38.7
1993	2,146	41.9 ±1.7	39.3
1994	2,038	39.3 ±1.7	39.6
1995	2,176	41.4 ±1.7	40.3
1996	2,256	42.6 ±1.7	40.4
1997	2,266	42.4 ±1.7	40.8
1998	2,317	42.8 ±1.7	41.0
1999	2,282	41.8 ±1.7	40.2
2000	2,369	43.1 ±1.7	41.1
2001	2,458	44.3 ±1.7	41.0
2002	2,475	44.1 ±1.7	41.6
2003	2,506	44.0 ±1.7	41.2
2004	2,534	44.0 ±1.7	40.9
2005	2,515	43.2 ±1.6	40.6
2006	2,593	44.1 ±1.6	40.2
2007	2,672	44.9 ±1.7	40.0
2008	2,654	44.0 ±1.6	39.0
2009	2,672	43.7 ±1.6	38.6
2010	2,687	42.9 ±1.6	---

--- Not available

C.9.

Age-Adjusted Mortality Rates Due to
Invasive Cancers of the Lung and Bronchus by Race,
Michigan Residents, 1970-2010

Year of Diagnosis	All Races	White	Black
1970	38.6	37.4	51.2
1971	38.9	37.9	49.4
1972	41.2	39.9	52.9
1973	41.5	40.2	54.6
1974	42.2	40.4	60.4
1975	43.7	41.8	61.9
1976	45.5	44.1	59.7
1977	48.1	46.1	67.9
1978	48.1	46.7	62.2
1979	48.3	46.4	65.2
1980	50.4	48.8	65.9
1981	50.7	48.7	69.5
1982	53.8	51.9	71.0
1983	54.8	53.0	71.3
1984	54.1	52.3	70.8
1985	55.4	53.6	73.1
1986	54.7	52.5	74.1
1987	57.0	54.8	78.3
1988	57.6	56.2	71.8
1989	57.8	55.7	72.1
1990	57.9	55.7	74.8
1991	59.7	57.6	76.0
1992	61.7	59.5	79.5
1993	61.2	59.9	70.3
1994	58.9	56.9	75.0
1995	60.2	59.0	70.1
1996	60.4	58.4	76.8
1997	58.5	57.1	70.4
1998	57.9	56.8	67.3
1999	56.1	54.4	68.7
2000	56.5	55.5	65.7
2001	56.6	55.2	67.8
2002	56.0	54.9	66.8
2003	55.2	54.1	65.5
2004	55.3	54.3	63.3
2005	54.7	54.3	57.8
2006	54.0	52.8	64.0
2007	54.2	53.6	58.4
2008	53.2	52.3	60.2
2009	53.6	52.0	58.9
2010	52.3	51.8	57.7

C.10.

Age-Adjusted Mortality Rates Due to
Invasive Cancers of the Lung and Bronchus by Sex and Race,
Michigan Residents, 1970-2010

Year of Diagnosis	White Male	White Female	Black Male	Black Female
1970	68.4	12.5	93.6	13.9
1971	70.2	12.7	87.5	16.3
1972	71.7	15.2	93.9	17.6
1973	72.6	15.1	98.3	17.1
1974	73.1	15.7	108.1	19.6
1975	75.7	16.3	114.1	19.0
1976	77.7	18.9	109.5	19.1
1977	82.0	19.5	116.7	29.5
1978	82.1	21.1	106.6	27.7
1979	81.0	21.9	112.5	28.0
1980	84.5	23.0	111.5	30.1
1981	81.1	25.9	120.1	31.1
1982	87.4	27.3	122.0	32.0
1983	88.1	28.5	119.5	36.0
1984	85.9	29.2	124.3	31.0
1985	85.6	31.8	122.5	37.0
1986	87.4	28.6	130.1	33.9
1987	87.7	31.9	130.2	41.8
1988	86.9	34.7	116.6	40.2
1989	85.8	35.2	115.1	41.2
1990	86.6	34.8	120.7	43.3
1991	87.9	36.7	117.8	46.4
1992	87.6	40.1	127.3	46.0
1993	85.3	42.3	115.8	38.6
1994	82.3	39.1	127.3	39.7
1995	84.0	41.5	115.3	40.1
1996	82.1	42.0	120.9	48.4
1997	79.7	41.4	106.2	49.4
1998	77.1	42.8	106.0	43.4
1999	73.7	40.7	103.3	47.7
2000	74.5	42.3	92.4	49.5
2001	72.8	43.7	98.7	50.2
2002	72.1	43.9	102.5	47.9
2003	70.4	43.5	100.3	47.8
2004	71.6	43.9	100.5	46.3
2005	71.5	42.9	84.5	45.3
2006	68.2	43.1	91.9	53.4
2007	67.7	44.7	85.8	46.6
2008	65.1	43.8	89.0	46.4
2009	64.3	43.0	89.2	43.2
2010	63.3	42.9	77.8	45.1

C.11.

Numbers and Percents of Cancers of the Lung and Bronchus
by Stage and Year of Diagnosis,
Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	5,853	17	0.3	1,247	21.3	1,308	22.3	2,156	36.8	1,125	19.2
1986	5,949	26	0.4	1,190	20.0	1,246	20.9	2,216	37.2	1,271	21.4
1987	6,038	18	0.3	1,143	18.9	1,226	20.3	2,300	38.1	1,351	22.4
1988	6,248	19	0.3	1,284	20.6	1,464	23.4	2,276	36.4	1,205	19.3
1989	6,742	24	0.4	1,337	19.8	1,422	21.1	2,368	35.1	1,591	23.6
1990	6,729	19	0.3	1,363	20.3	1,478	22.0	2,459	36.5	1,410	21.0
1991	7,259	14	0.2	1,433	19.7	1,750	24.1	2,573	35.4	1,489	20.5
1992	7,160	17	0.2	1,364	19.1	1,694	23.7	2,777	38.8	1,308	18.3
1993	7,350	20	0.3	1,392	18.9	1,778	24.2	2,838	38.6	1,322	18.0
1994	7,242	19	0.3	1,389	19.2	1,709	23.6	2,789	38.5	1,336	18.4
1995	7,260	7	0.1	1,384	19.1	1,793	24.7	2,732	37.6	1,344	18.5
1996	7,257	18	0.2	1,458	20.1	1,880	25.9	2,811	38.7	1,090	15.0
1997	7,192	6	0.1	1,435	20.0	1,860	25.9	2,925	40.7	966	13.4
1998	7,365	11	0.1	1,457	19.8	1,779	24.2	3,064	41.6	1,054	14.3
1999	7,309	8	0.1	1,470	20.1	1,780	24.4	2,967	40.6	1,084	14.8
2000	7,357	6	0.1	1,420	19.3	1,801	24.5	2,958	40.2	1,172	15.9
2001	7,426	12	0.2	1,349	18.2	1,866	25.1	3,155	42.5	1,044	14.1
2002	7,423	11	0.1	1,414	19.0	1,769	23.8	3,226	43.5	1,003	13.5
2003	8,003	6	0.1	1,357	17.0	1,885	23.6	3,408	42.6	1,347	16.8
2004	7,679	7	0.1	1,303	17.0	1,726	22.5	3,181	41.4	1,462	19.0
2005	7,850	5	0.1	1,401	17.8	1,831	23.3	3,847	49.0	766	9.8
2006	7,795	9	0.1	1,387	17.8	1,813	23.3	3,804	48.8	782	10.0
2007	8,029	5	0.1	1,426	17.8	1,780	22.2	4,032	50.2	786	9.8
2008	7,705	13	0.2	1,387	18.0	1,738	22.6	3,815	49.5	752	9.8
2009	7,470	1	0.0	1,380	18.5	1,676	22.4	3,849	51.5	564	7.6

C.12.

Numbers and Percents of Cancers of the Lung and Bronchus
by Stage and Year of Diagnosis,
White Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	4,947	15	0.3	1,064	21.5	1,113	22.5	1,782	36.0	973	19.7
1986	5,014	23	0.5	1,017	20.3	1,077	21.5	1,820	36.3	1,077	21.5
1987	5,184	18	0.3	995	19.2	1,068	20.6	1,910	36.8	1,193	23.0
1988	5,332	17	0.3	1,111	20.8	1,286	24.1	1,868	35.0	1,050	19.7
1989	5,801	21	0.4	1,161	20.0	1,252	21.6	1,964	33.9	1,403	24.2
1990	5,778	19	0.3	1,187	20.5	1,278	22.1	2,048	35.4	1,246	21.6
1991	6,215	11	0.2	1,236	19.9	1,515	24.4	2,150	34.6	1,303	21.0
1992	6,157	15	0.2	1,206	19.6	1,474	23.9	2,308	37.5	1,154	18.7
1993	6,322	19	0.3	1,233	19.5	1,564	24.7	2,362	37.4	1,144	18.1
1994	6,201	18	0.3	1,227	19.8	1,490	24.0	2,291	36.9	1,175	18.9
1995	6,226	7	0.1	1,206	19.4	1,570	25.2	2,274	36.5	1,169	18.8
1996	6,190	14	0.2	1,269	20.5	1,616	26.1	2,349	37.9	942	15.2
1997	6,175	5	0.1	1,256	20.3	1,647	26.7	2,441	39.5	826	13.4
1998	6,311	8	0.1	1,286	20.4	1,526	24.2	2,558	40.5	933	14.8
1999	6,210	6	0.1	1,270	20.5	1,554	25.0	2,465	39.7	915	14.7
2000	6,354	6	0.1	1,242	19.5	1,569	24.7	2,494	39.3	1,043	16.4
2001	6,392	11	0.2	1,167	18.3	1,641	25.7	2,624	41.1	949	14.8
2002	6,361	10	0.2	1,252	19.7	1,491	23.4	2,687	42.2	921	14.5
2003	6,850	5	0.1	1,191	17.4	1,633	23.8	2,811	41.0	1,210	17.7
2004	6,606	5	0.1	1,145	17.3	1,501	22.7	2,720	41.2	1,235	18.7
2005	6,758	4	0.1	1,226	18.1	1,585	23.5	3,249	48.1	694	10.3
2006	6,643	8	0.1	1,211	18.2	1,559	23.5	3,168	47.7	697	10.5
2007	6,890	4	0.1	1,255	18.2	1,522	22.1	3,381	49.1	728	10.6
2008	6,605	12	0.2	1,210	18.3	1,521	23.0	3,201	48.5	661	10.0
2009	6,350	1	0.0	1,180	18.6	1,427	22.5	3,257	51.3	485	7.6

C.13.

Numbers and Percents of Cancers of the Lung and Bronchus
by Stage and Year of Diagnosis,
Black Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	862	1	0.1	173	20.1	185	21.5	358	41.5	145	16.8
1986	899	3	0.3	166	18.5	163	18.1	383	42.6	184	20.5
1987	830	0	0.0	148	17.8	152	18.3	382	46.0	148	17.8
1988	879	2	0.2	165	18.8	168	19.1	400	45.5	144	16.4
1989	900	3	0.3	172	19.1	162	18.0	389	43.2	174	19.3
1990	903	0	0.0	165	18.3	195	21.6	393	43.5	150	16.6
1991	994	3	0.3	191	19.2	227	22.8	401	40.3	172	17.3
1992	954	2	0.2	145	15.2	207	21.7	456	47.8	144	15.1
1993	972	1	0.1	150	15.4	201	20.7	457	47.0	163	16.8
1994	998	0	0.0	152	15.2	212	21.2	484	48.5	150	15.0
1995	973	0	0.0	166	17.1	209	21.5	434	44.6	164	16.9
1996	1,002	4	0.4	180	18.0	242	24.2	441	44.0	135	13.5
1997	940	1	0.1	164	17.4	195	20.7	456	48.5	124	13.2
1998	983	3	0.3	155	15.8	238	24.2	474	48.2	113	11.5
1999	1,025	2	0.2	188	18.3	211	20.6	470	45.9	154	15.0
2000	925	0	0.0	164	17.7	203	21.9	437	47.2	121	13.1
2001	980	1	0.1	174	17.8	215	21.9	507	51.7	83	8.5
2002	977	1	0.1	148	15.1	261	26.7	495	50.7	72	7.4
2003	1,074	1	0.1	156	14.5	230	21.4	564	52.5	123	11.5
2004	991	2	0.2	139	14.0	197	19.9	439	44.3	214	21.6
2005	1,003	1	0.1	159	15.9	229	22.8	553	55.1	61	6.1
2006	1,053	1	0.1	154	14.6	227	21.6	596	56.6	75	7.1
2007	1,028	1	0.1	149	14.5	232	22.6	598	58.2	48	4.7
2008	975	1	0.1	151	15.5	184	18.9	565	57.9	74	7.6
2009	946	0	0.0	166	17.5	211	22.3	513	54.2	56	5.9

C.14.

Numbers and Percents of Invasive Cancers of the Lung and Bronchus
by Race and First Course of Treatment,
Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	1,112	14.9	947	14.9	133	14.1
Radiation	866	11.6	738	11.6	113	11.9
Chemotherapy	1,022	13.7	883	13.9	112	11.8
Hormone Therapy	13	0.2	13	0.2	0	0.0
Surgery & Radiation	47	0.6	42	0.7	5	0.5
Surgery & Chemotherapy	232	3.1	199	3.1	27	2.9
Surgery & Hormone Therapy	1	0.0	1	0.0	0	0.0
Radiation & Chemotherapy	1,410	18.9	1,227	19.3	156	16.5
Radiation & Hormone Therapy	6	0.1	5	0.1	1	0.1
Chemotherapy & Hormone Therapy	21	0.3	18	0.3	3	0.3
Surgery, Radiation & Chemotherapy	139	1.9	125	2.0	4	0.4
Surgery, Chemotherapy & Hormone Therapy	1	0.0	1	0.0	0	0.0
Radiation, Chemotherapy & Hormone Therapy	25	0.3	23	0.4	1	0.1
Surgery, Radiation, Chemotherapy & Hormone Therapy	1	0.0	1	0.0	0	0.0
Unknown	648	8.7	543	8.6	85	9.0
None	1,925	25.8	1,583	24.9	306	32.3
Total	7,469	100.0	6,349	100.0	946	100.0

C.15.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	41.5	0.6	40.7	0.4	75.2	1.4	80.0	0.8	52.5	1.3	56.8	0.8	21.5	0.9	19.6	0.4	35.4	1.5	42.9	1.3
1996	41.2	0.6	40.7	0.4	76.6	1.3	81.4	0.8	52.1	1.3	56.5	0.8	20.7	0.8	19.8	0.4	32.0	1.6	42.1	1.3
1997	41.1	0.7	41.0	0.4	76.7	1.3	80.6	0.8	51.6	1.3	57.6	0.8	20.7	0.8	20.5	0.5	34.1	1.8	40.4	1.3
1998	40.8	0.6	41.4	0.4	76.2	1.3	80.1	0.8	53.7	1.3	58.5	0.8	20.0	0.8	20.9	0.5	35.5	1.7	38.8	1.3
1999	42.4	0.7	42.4	0.4	76.4	1.3	79.2	0.8	57.3	1.3	58.8	0.8	20.7	0.8	22.6	0.5	34.2	1.8	39.4	1.5
2000	42.3	0.7	41.1	0.3	78.9	1.3	78.3	0.6	53.1	1.3	55.9	0.5	23.0	0.9	21.6	0.3	34.7	1.7	38.4	0.9
2001	41.9	0.7	41.1	0.3	77.7	1.4	78.2	0.6	54.2	1.3	55.6	0.5	23.5	0.8	21.7	0.3	32.5	1.8	39.2	1.0
2002	43.0	0.7	41.1	0.3	80.6	1.3	78.4	0.6	57.2	1.4	56.2	0.5	22.9	0.8	22.2	0.3	35.8	1.8	39.9	1.0
2003	40.7	0.6	41.7	0.3	80.6	1.4	78.2	0.6	58.5	1.3	57.3	0.5	22.7	0.8	23.1	0.3	25.8	1.4	39.1	1.0
2004	42.9	0.6	42.4	0.3	84.4	1.3	79.4	0.6	64.0	1.3	60.3	0.5	29.1	0.9	24.7	0.3	17.6	1.1	35.4	1.0
2005	43.0	0.6	43.5	0.3	82.1	1.3	81.0	0.5	59.4	1.3	62.1	0.5	25.5	0.8	25.0	0.3	27.6	2.0	38.2	1.1
2006	45.9	0.7	44.1	0.3	83.0	1.3	82.6	0.5	65.2	1.3	62.6	0.5	27.2	0.8	25.8	0.3	34.9	2.4	35.5	1.1
2007	43.5	0.7	44.1	0.3	84.2	1.3	81.8	0.5	66.5	1.3	62.8	0.5	26.0	0.8	25.9	0.3	19.5	1.8	31.7	1.1
2008	45.3	0.7	44.6	0.3	81.8	1.4	82.2	0.5	65.8	1.4	63.5	0.5	27.8	0.8	26.5	0.3	26.6	2.3	30.3	1.1
2009	41.5	0.8	42.3	0.3	80.3	2.0	79.8	0.7	63.0	1.9	62.5	0.7	29.2	1.0	29.0	0.4	19.2	2.5	24.7	1.2

C.16.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	18.6	0.5	18.7	0.3	51.7	1.6	57.5	0.8	21.3	1.1	25.3	0.7	4.9	0.5	3.8	0.2	10.8	1.0	14.5	1.0
1996	19.3	0.5	19.1	0.3	53.7	1.6	59.3	0.8	22.4	1.1	26.8	0.7	4.1	0.4	3.7	0.2	11.1	1.1	14.6	1.0
1997	19.5	0.5	19.2	0.3	52.5	1.6	57.8	0.8	23.2	1.1	27.7	0.7	4.5	0.4	3.9	0.2	13.0	1.3	14.5	1.0
1998	19.1	0.5	20.0	0.3	52.4	1.6	59.3	0.8	23.6	1.1	27.6	0.7	4.3	0.4	4.5	0.2	12.9	1.3	14.7	1.0
1999	19.9	0.5	20.2	0.3	52.4	1.6	58.4	0.8	24.2	1.2	28.5	0.7	4.3	0.4	4.4	0.2	14.4	1.4	15.0	1.1
2000	20.2	0.6	19.7	0.2	58.0	1.7	57.6	0.6	22.5	1.1	26.4	0.5	5.0	0.5	4.6	0.2	13.7	1.3	14.4	0.7
2001	20.9	0.6	19.6	0.2	56.7	1.7	56.5	0.6	26.3	1.2	26.1	0.5	6.2	0.5	4.8	0.2	12.7	1.3	14.9	0.7
2002	21.6	0.6	20.2	0.2	58.7	1.7	57.9	0.6	28.2	1.3	28.0	0.5	5.7	0.5	5.2	0.2	14.9	1.4	15.2	0.7
2003	20.4	0.5	20.2	0.2	58.9	1.7	56.6	0.6	28.3	1.2	28.8	0.5	6.8	0.5	5.5	0.2	9.7	1.0	14.4	0.7
2004	21.2	0.5	21.1	0.2	62.1	1.8	59.2	0.6	33.2	1.3	31.5	0.5	7.4	0.5	6.2	0.2	6.5	0.7	14.0	0.8
2005	22.3	0.6	21.8	0.2	61.4	1.7	60.6	0.5	32.4	1.3	32.8	0.5	6.9	0.5	6.3	0.2	11.4	1.5	14.3	0.8
2006	24.5	0.6	22.2	0.2	63.9	1.7	62.6	0.5	37.1	1.4	33.3	0.5	8.1	0.5	6.7	0.2	14.9	1.9	11.2	0.7
2007	22.9	0.6	22.2	0.3	64.7	2.0	61.6	0.5	35.4	1.6	34.1	0.6	8.0	0.6	6.8	0.2	10.3	1.6	8.8	0.8

C.17.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	14.2	0.5	14.3	0.3	42.9	1.7	48.4	1.1	14.7	1.0	18.9	0.7	2.9	0.4	2.1	0.2	8.6	1.0	8.8	0.8
1996	14.5	0.5	14.4	0.3	43.6	1.7	49.0	1.1	15.5	1.0	19.5	0.7	2.6	0.3	2.2	0.2	8.2	1.0	9.4	0.8
1997	14.4	0.5	14.6	0.3	43.0	1.7	48.2	1.1	15.8	1.0	20.4	0.7	2.6	0.3	2.3	0.2	8.9	1.2	8.8	0.8
1998	13.7	0.5	14.7	0.3	41.1	1.7	47.8	1.1	16.3	1.0	19.6	0.7	2.2	0.3	2.6	0.2	8.0	1.1	10.0	0.9
1999	14.9	0.5	15.3	0.3	43.7	1.7	49.6	1.1	17.1	1.0	20.4	0.7	2.4	0.3	2.6	0.2	9.6	1.2	8.6	0.9
2000	15.3	0.5	14.8	0.2	48.1	1.8	48.5	0.7	16.2	1.0	18.8	0.4	2.8	0.4	2.6	0.1	9.1	1.1	9.1	0.6
2001	15.8	0.5	14.8	0.2	47.4	1.8	47.2	0.7	18.3	1.1	18.8	0.4	4.4	0.4	2.8	0.1	7.5	1.1	9.9	0.6
2002	16.1	0.5	15.0	0.2	48.5	1.8	48.2	0.7	19.6	1.1	20.3	0.4	3.5	0.4	2.8	0.1	9.6	1.2	9.2	0.6
2003	16.1	0.5	15.3	0.2	51.4	1.8	47.8	0.7	21.3	1.1	21.3	0.5	4.3	0.4	2.9	0.1	7.3	0.9	9.9	0.6
2004	15.8	0.5	15.7	0.2	49.6	1.9	50.0	0.7	24.3	1.3	23.2	0.5	4.4	0.4	3.3	0.1	5.1	0.7	8.2	0.6
2005	17.2	0.6	16.3	0.2	54.9	1.9	51.2	0.8	22.8	1.3	24.2	0.6	4.2	0.4	3.4	0.2	7.5	1.4	7.8	0.7

C.18.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	39.1	0.8	38.5	0.5	72.7	1.9	78.7	1.2	50.2	1.7	55.1	1.0	21.6	1.1	17.9	0.6	32.4	1.9	40.8	1.7
1996	39.1	0.8	38.5	0.5	76.4	1.8	78.9	1.2	49.7	1.7	54.9	1.1	19.0	1.0	18.7	0.6	30.0	2.1	42.1	1.8
1997	38.5	0.9	38.5	0.5	73.7	1.9	78.0	1.2	49.1	1.7	54.5	1.0	19.4	1.0	19.4	0.6	32.8	2.4	38.1	1.8
1998	37.1	0.9	39.0	0.5	72.8	2.0	77.8	1.3	50.0	1.8	56.9	1.0	17.7	1.0	19.2	0.6	33.2	2.3	37.8	1.8
1999	39.4	0.9	39.5	0.5	75.6	1.9	76.4	1.2	52.8	1.8	55.4	1.0	19.7	1.1	20.9	0.6	32.3	2.4	37.7	2.0
2000	40.1	0.9	38.4	0.3	74.0	1.9	75.5	0.8	52.1	1.8	53.6	0.7	21.7	1.1	20.0	0.4	31.4	2.3	36.6	1.2
2001	38.8	0.9	38.2	0.3	73.8	2.1	74.5	0.8	52.2	1.8	53.4	0.7	22.0	1.1	19.7	0.4	29.4	2.3	37.4	1.3
2002	40.3	0.9	38.0	0.3	76.3	2.1	76.0	0.8	56.3	1.8	53.8	0.7	20.6	1.1	20.0	0.4	36.4	2.6	36.1	1.3
2003	37.7	0.8	39.1	0.3	78.1	2.0	75.6	0.8	55.3	1.8	55.2	0.7	20.6	1.0	21.0	0.4	25.4	1.9	36.5	1.3
2004	40.1	0.9	39.4	0.3	86.0	1.9	76.3	0.8	59.8	1.9	57.8	0.7	27.1	1.2	22.6	0.4	15.7	1.5	33.0	1.4
2005	40.0	0.9	40.0	0.4	79.9	1.9	77.2	0.8	56.6	1.9	59.4	0.7	23.0	1.0	22.7	0.4	26.4	2.8	35.6	1.5
2006	43.2	0.9	40.7	0.4	82.6	1.9	79.7	0.8	61.4	1.9	60.2	0.7	25.6	1.1	23.3	0.4	33.3	3.3	32.3	1.5
2007	39.9	0.9	40.7	0.4	83.7	2.1	78.0	0.8	62.3	1.9	60.6	0.7	24.3	1.1	23.7	0.4	18.8	2.4	29.0	1.5
2008	42.9	0.9	41.6	0.4	82.2	2.0	79.4	0.8	63.8	1.9	61.2	0.8	26.2	1.1	24.5	0.4	24.4	3.0	29.2	1.5
2009	39.2	1.1	39.8	0.4	77.8	3.1	76.6	1.1	59.4	2.6	60.5	1.0	28.7	1.3	27.6	0.5	17.0	3.2	23.9	1.7

C.19.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	16.2	0.7	16.9	0.4	47.7	2.3	54.2	1.5	19.4	1.4	23.9	0.9	4.5	0.6	3.2	0.3	9.0	1.2	13.2	1.3
1996	17.8	0.7	17.3	0.4	52.0	2.2	56.2	1.5	20.9	1.4	25.5	0.9	2.9	0.5	3.2	0.3	11.7	1.6	14.3	1.3
1997	17.9	0.7	17.3	0.4	48.9	2.3	54.0	1.5	21.5	1.4	25.7	0.9	4.6	0.6	3.6	0.3	13.0	1.8	13.4	1.3
1998	16.5	0.7	17.7	0.4	46.5	2.3	54.3	1.6	21.4	1.5	25.9	0.9	4.0	0.5	4.0	0.3	12.0	1.7	14.4	1.4
1999	17.9	0.7	17.3	0.4	50.8	2.3	51.7	1.5	21.8	1.5	25.2	0.9	4.2	0.5	3.7	0.3	13.3	1.8	14.7	1.5
2000	18.5	0.7	17.3	0.3	52.8	2.3	53.4	1.0	21.2	1.5	23.8	0.6	5.0	0.6	4.0	0.2	11.2	1.6	13.8	0.9
2001	18.6	0.7	17.3	0.3	53.6	2.5	52.8	1.0	24.9	1.6	23.7	0.6	5.3	0.6	4.1	0.2	11.5	1.7	13.5	1.0
2002	18.7	0.7	17.6	0.3	54.2	2.5	53.5	1.0	25.4	1.6	26.0	0.6	4.7	0.6	4.2	0.2	13.2	1.9	11.9	0.9
2003	17.1	0.7	17.8	0.3	50.9	2.5	51.8	1.0	25.0	1.6	25.8	0.6	5.3	0.6	4.6	0.2	9.9	1.3	13.0	1.0
2004	18.1	0.7	18.2	0.3	59.2	2.7	54.3	1.0	28.2	1.8	29.0	0.7	6.1	0.7	4.8	0.2	5.5	1.0	12.5	1.0
2005	20.2	0.7	18.7	0.3	59.6	2.5	54.5	1.0	30.2	1.8	29.9	0.7	5.7	0.6	5.2	0.2	10.7	2.0	12.7	1.1
2006	21.8	0.8	19.3	0.3	61.7	2.5	57.7	1.0	32.1	1.8	30.3	0.7	7.2	0.7	5.7	0.2	14.8	2.6	10.4	1.0
2007	19.6	0.8	19.5	0.3	61.9	3.2	57.7	1.1	31.6	2.1	31.5	0.8	7.0	0.7	5.7	0.3	10.3	2.1	8.0	1.0

C.20.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	12.3	0.6	12.8	0.4	38.3	2.3	44.5	1.6	14.2	1.3	17.9	0.8	3.0	0.5	1.9	0.2	6.7	1.1	7.6	1.0
1996	12.8	0.6	12.8	0.4	39.0	2.2	44.7	1.6	14.3	1.3	18.5	0.9	1.7	0.4	1.9	0.2	9.1	1.5	9.3	1.1
1997	13.4	0.6	13.0	0.4	40.2	2.3	43.8	1.6	14.6	1.3	19.1	0.9	2.7	0.5	2.0	0.2	10.3	1.6	8.4	1.1
1998	11.1	0.6	12.8	0.4	35.9	2.3	43.1	1.6	13.2	1.3	18.0	0.8	2.0	0.4	2.3	0.2	6.8	1.3	9.5	1.2
1999	13.4	0.7	13.0	0.4	41.2	2.4	43.7	1.6	15.7	1.4	17.7	0.8	2.5	0.4	2.4	0.2	9.4	1.6	8.5	1.3
2000	13.8	0.7	12.7	0.3	43.2	2.4	43.7	1.0	15.8	1.4	16.9	0.5	2.7	0.5	2.2	0.2	7.2	1.4	8.9	0.8
2001	14.2	0.7	12.9	0.3	44.2	2.6	43.3	1.0	18.6	1.5	17.2	0.5	3.6	0.5	2.4	0.2	7.8	1.5	8.9	0.8
2002	13.7	0.7	13.0	0.3	41.9	2.6	43.9	1.0	17.8	1.5	18.9	0.6	3.1	0.5	2.4	0.2	9.7	1.7	6.9	0.8
2003	13.7	0.6	13.5	0.3	44.3	2.6	43.3	1.0	19.9	1.5	19.2	0.6	3.4	0.5	2.6	0.2	7.7	1.2	9.3	0.9
2004	13.3	0.7	13.5	0.3	47.0	2.8	45.1	1.1	20.3	1.7	21.5	0.6	3.6	0.5	2.5	0.2	4.3	0.9	8.0	0.9
2005	15.4	0.7	13.9	0.3	53.0	2.8	45.6	1.2	21.9	1.8	22.3	0.7	3.1	0.5	2.7	0.2	5.4	1.7	6.8	1.0

C.21.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	45.0	1.0	43.7	0.6	78.1	1.9	81.4	1.2	55.6	2.0	59.3	1.2	21.4	1.4	22.0	0.7	40.1	2.5	45.5	2.0
1996	43.9	1.0	43.5	0.6	77.0	2.0	83.9	1.1	55.3	2.0	58.7	1.2	23.2	1.3	21.4	0.7	34.6	2.5	42.1	1.9
1997	44.4	1.0	44.2	0.6	80.0	1.9	83.2	1.1	55.0	1.9	61.7	1.2	22.5	1.3	21.9	0.7	35.9	2.8	42.9	1.9
1998	45.3	1.0	44.4	0.6	79.5	1.8	82.3	1.1	58.5	2.0	60.7	1.2	23.0	1.3	23.0	0.7	38.1	2.6	40.0	2.0
1999	46.0	1.0	45.9	0.6	77.3	1.8	82.1	1.1	62.6	1.9	63.2	1.1	22.1	1.3	24.7	0.7	36.4	2.6	41.2	2.1
2000	45.1	1.0	44.6	0.4	84.7	1.8	81.2	0.8	54.4	2.1	59.0	0.8	24.6	1.3	23.8	0.5	38.4	2.5	40.4	1.3
2001	45.6	1.0	44.8	0.4	81.5	1.8	81.9	0.7	56.5	1.9	58.3	0.8	25.4	1.3	24.3	0.5	36.3	2.7	41.1	1.4
2002	46.2	1.0	44.9	0.4	84.5	1.7	80.7	0.8	58.4	2.0	59.1	0.8	25.8	1.3	25.1	0.5	35.2	2.6	43.8	1.4
2003	44.2	0.9	44.9	0.4	83.0	1.8	81.0	0.8	62.3	1.9	60.0	0.8	25.4	1.3	25.8	0.5	26.3	2.1	41.6	1.4
2004	46.0	0.9	46.0	0.4	82.9	1.8	82.3	0.7	68.6	1.9	63.2	0.8	31.5	1.4	27.3	0.5	19.6	1.7	38.1	1.5
2005	46.3	0.9	47.5	0.4	84.2	1.7	84.5	0.7	62.5	1.9	65.3	0.8	28.3	1.2	27.7	0.5	29.0	3.0	40.8	1.6
2006	48.9	1.0	48.0	0.4	83.4	1.8	85.2	0.7	69.2	1.8	65.4	0.8	29.0	1.2	28.9	0.5	36.8	3.6	38.5	1.5
2007	47.2	0.9	47.9	0.4	84.6	1.7	85.2	0.7	70.8	1.8	65.3	0.8	27.9	1.2	28.7	0.5	20.3	2.8	34.2	1.5
2008	48.0	1.0	48.0	0.4	81.5	1.9	84.9	0.7	68.3	2.0	66.3	0.8	29.7	1.3	29.0	0.5	29.5	3.6	31.4	1.6
2009	44.3	1.3	45.1	0.5	82.6	2.7	82.6	1.0	67.1	2.7	64.9	1.0	29.8	1.5	30.7	0.6	21.8	3.9	25.6	1.8

C.22.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	22.1	0.9	21.2	0.5	56.4	2.4	61.2	1.5	23.9	1.7	27.5	1.1	5.6	0.8	4.7	0.4	13.6	1.8	16.0	1.5
1996	21.3	0.8	21.5	0.5	55.8	2.4	62.5	1.5	24.3	1.7	28.5	1.1	5.9	0.8	4.5	0.4	10.4	1.6	15.1	1.4
1997	21.6	0.8	21.6	0.5	56.5	2.4	61.8	1.5	25.4	1.7	30.3	1.1	4.4	0.7	4.3	0.4	12.9	2.0	15.7	1.4
1998	22.3	0.8	22.7	0.5	58.2	2.2	63.9	1.5	26.4	1.8	29.9	1.1	4.7	0.6	5.2	0.4	14.1	1.9	15.0	1.5
1999	22.2	0.8	23.6	0.5	54.0	2.3	65.1	1.5	27.0	1.8	32.7	1.1	4.6	0.7	5.2	0.4	15.7	2.1	15.3	1.6
2000	22.4	0.9	22.7	0.3	64.1	2.4	61.9	1.0	24.3	1.8	29.7	0.7	4.9	0.7	5.5	0.3	16.5	2.0	15.0	1.0
2001	23.6	0.9	22.6	0.3	59.7	2.4	60.3	1.0	28.0	1.8	29.3	0.7	7.5	0.8	5.8	0.3	14.2	2.0	16.5	1.1
2002	25.0	0.9	23.3	0.3	62.7	2.3	62.3	1.0	31.7	2.0	30.5	0.7	6.9	0.8	6.5	0.3	16.7	2.1	18.6	1.1
2003	24.3	0.8	23.2	0.3	66.7	2.4	61.7	1.0	32.1	1.9	32.5	0.8	8.7	0.8	6.6	0.3	9.4	1.4	15.8	1.1
2004	24.7	0.8	24.4	0.3	64.7	2.4	63.9	1.0	38.7	2.0	34.5	0.8	8.9	0.9	7.9	0.3	7.5	1.2	15.6	1.1
2005	24.6	0.8	25.4	0.3	63.1	2.3	66.1	0.9	34.9	1.9	36.2	0.8	8.2	0.7	7.7	0.3	12.2	2.2	15.9	1.2
2006	27.5	0.9	25.5	0.3	65.9	2.4	67.1	0.9	42.4	2.0	36.9	0.8	9.1	0.8	7.8	0.3	15.0	2.7	11.9	1.0
2007	26.2	0.9	25.2	0.4	66.7	2.6	65.1	1.1	39.4	2.3	37.1	0.9	9.1	0.8	8.1	0.3	10.4	2.4	9.7	1.1

C.23.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	16.8	0.8	16.3	0.5	48.2	2.5	52.6	1.6	15.5	1.5	20.4	1.0	2.7	0.6	2.4	0.3	11.4	1.7	10.1	1.3
1996	16.8	0.8	16.6	0.5	49.0	2.5	53.4	1.6	17.1	1.5	20.8	1.0	3.9	0.7	2.6	0.3	7.2	1.4	9.6	1.2
1997	15.8	0.8	16.6	0.5	46.1	2.5	52.8	1.6	17.4	1.6	22.2	1.0	2.4	0.5	2.6	0.3	7.0	1.6	9.3	1.2
1998	16.7	0.8	17.1	0.5	46.0	2.3	52.2	1.6	20.2	1.7	21.8	1.0	2.5	0.5	2.9	0.3	9.5	1.7	10.5	1.3
1999	16.7	0.8	18.0	0.5	46.0	2.3	55.4	1.6	18.8	1.6	23.8	1.1	2.3	0.5	3.0	0.3	9.9	1.8	8.8	1.3
2000	17.0	0.8	17.3	0.3	53.9	2.6	53.4	1.0	16.9	1.6	21.3	0.7	2.9	0.5	3.0	0.2	11.2	1.7	9.3	0.8
2001	17.6	0.8	17.1	0.3	50.5	2.5	51.1	1.0	18.0	1.5	21.0	0.7	5.5	0.7	3.3	0.2	7.3	1.6	11.0	1.0
2002	18.9	0.8	17.4	0.3	54.4	2.4	52.5	1.0	21.9	1.8	22.1	0.7	4.1	0.6	3.4	0.2	9.4	1.7	11.6	1.0
2003	18.9	0.8	17.4	0.3	58.3	2.5	52.4	1.0	23.0	1.7	24.0	0.7	5.5	0.7	3.3	0.2	6.8	1.3	10.4	0.9
2004	18.5	0.8	18.3	0.3	51.8	2.6	54.6	1.0	28.7	1.9	25.3	0.8	5.5	0.7	4.2	0.2	6.0	1.1	8.5	0.9
2005	19.3	0.8	19.1	0.4	56.7	2.6	56.1	1.1	23.9	1.9	26.5	0.8	5.4	0.7	4.2	0.2	9.9	2.2	8.8	1.1

C.24.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	41.6	0.7	40.6	0.4	75.1	1.5	80.0	0.9	52.0	1.4	56.4	0.9	21.4	0.9	19.2	0.5	35.2	1.7	40.7	1.4
1996	41.9	0.7	40.6	0.4	77.4	1.4	81.6	0.9	53.3	1.4	56.2	0.9	20.8	0.9	19.4	0.5	32.0	1.7	41.9	1.4
1997	41.4	0.7	41.3	0.4	76.9	1.4	80.9	0.9	51.5	1.4	57.7	0.9	21.2	0.9	20.3	0.5	32.2	1.9	39.8	1.4
1998	41.3	0.7	41.6	0.4	76.3	1.4	80.3	0.9	53.6	1.4	59.5	0.8	20.4	0.9	20.3	0.5	35.1	1.8	36.7	1.4
1999	42.8	0.7	42.4	0.4	77.1	1.4	79.1	0.9	57.2	1.4	58.1	0.9	21.1	0.9	22.5	0.5	32.1	1.9	38.2	1.6
2000	42.6	0.7	41.2	0.3	79.8	1.4	78.6	0.6	52.1	1.4	55.7	0.6	23.4	0.9	21.2	0.3	33.9	1.8	37.7	1.0
2001	42.5	0.7	41.3	0.3	78.4	1.5	78.2	0.6	53.8	1.4	55.7	0.6	23.8	0.9	21.3	0.3	33.1	1.9	38.7	1.0
2002	43.4	0.7	41.2	0.3	81.3	1.4	78.3	0.6	57.4	1.5	56.1	0.6	22.3	0.9	21.9	0.3	36.8	1.9	39.7	1.0
2003	41.1	0.7	41.9	0.3	80.9	1.4	78.8	0.6	58.2	1.4	57.1	0.6	23.0	0.9	22.9	0.3	25.7	1.5	38.3	1.0
2004	43.1	0.7	42.4	0.3	84.3	1.4	79.5	0.6	63.5	1.4	59.7	0.6	28.6	1.0	24.2	0.3	18.7	1.2	34.7	1.1
2005	42.8	0.7	43.5	0.3	82.0	1.4	81.5	0.6	60.1	1.4	62.3	0.6	24.8	0.8	24.1	0.3	25.8	2.1	37.7	1.2
2006	46.0	0.7	44.0	0.3	83.3	1.4	83.0	0.6	64.6	1.4	62.1	0.6	27.0	0.9	25.0	0.3	33.5	2.6	33.9	1.1
2007	43.2	0.7	44.0	0.3	84.5	1.4	81.8	0.6	65.9	1.4	62.7	0.6	25.3	0.8	25.2	0.3	18.2	1.9	30.2	1.1
2008	45.2	0.7	44.4	0.3	82.0	1.5	82.0	0.6	66.4	1.5	63.3	0.6	26.9	0.9	25.8	0.3	24.0	2.4	28.4	1.2
2009	41.0	0.9	42.0	0.4	80.1	2.2	79.7	0.8	62.5	2.0	62.2	0.8	28.6	1.1	28.4	0.4	18.2	2.6	22.9	1.3

C.25.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	18.8	0.6	19.0	0.4	52.1	1.8	57.6	1.2	21.3	1.2	25.4	0.8	5.0	0.5	3.9	0.2	10.2	1.1	14.1	1.0
1996	19.7	0.6	19.5	0.4	54.2	1.7	59.8	1.2	23.2	1.2	27.2	0.8	4.1	0.5	3.7	0.2	10.9	1.2	14.8	1.1
1997	19.6	0.6	19.4	0.4	52.8	1.8	58.1	1.2	22.7	1.2	27.5	0.8	4.6	0.5	3.9	0.2	11.6	1.4	13.4	1.0
1998	19.4	0.6	20.2	0.4	52.1	1.7	59.5	1.2	23.8	1.2	28.2	0.8	4.1	0.4	4.3	0.3	13.0	1.3	14.1	1.1
1999	20.2	0.6	20.3	0.4	53.1	1.8	58.9	1.2	24.4	1.2	27.9	0.8	4.4	0.5	4.3	0.3	13.4	1.4	14.7	1.2
2000	20.4	0.6	19.9	0.2	59.2	1.8	57.9	0.7	22.1	1.2	26.7	0.5	4.9	0.5	4.3	0.2	13.2	1.3	13.9	0.7
2001	21.2	0.6	19.9	0.2	57.4	1.8	56.7	0.7	26.2	1.2	26.2	0.5	6.2	0.5	4.7	0.2	12.4	1.4	14.7	0.8
2002	22.1	0.6	20.4	0.2	59.5	1.8	58.7	0.8	28.8	1.4	28.2	0.5	5.2	0.5	5.0	0.2	14.9	1.5	14.5	0.8
2003	20.7	0.6	20.5	0.2	59.7	1.9	57.6	0.8	28.4	1.3	28.5	0.5	6.7	0.5	5.5	0.2	8.9	1.0	13.2	0.7
2004	21.2	0.6	21.1	0.2	62.3	1.9	59.4	0.8	32.9	1.4	31.1	0.6	7.1	0.6	5.9	0.2	6.4	0.8	13.1	0.8
2005	22.4	0.6	22.1	0.3	62.3	1.8	61.8	0.8	32.6	1.4	32.6	0.6	6.5	0.5	5.9	0.2	10.0	1.5	14.3	0.9
2006	24.7	0.6	22.5	0.2	64.4	1.9	63.1	0.7	36.5	1.5	33.1	0.6	7.9	0.6	6.4	0.2	14.2	2.0	10.7	0.8
2007	23.0	0.7	22.4	0.3	65.4	2.1	61.9	0.8	34.8	1.7	34.0	0.7	7.7	0.6	6.5	0.2	10.3	1.7	8.2	0.8

C.26.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	14.2	0.5	14.4	0.3	43.3	1.8	48.4	1.2	14.3	1.0	18.9	0.7	2.7	0.4	2.0	0.2	8.5	1.0	8.4	0.9
1996	14.8	0.5	14.6	0.3	43.5	1.8	49.4	1.3	16.2	1.1	19.6	0.7	2.6	0.4	2.0	0.2	8.0	1.1	9.2	0.9
1997	14.4	0.5	14.7	0.3	43.0	1.8	48.3	1.3	15.5	1.0	20.3	0.7	2.5	0.4	2.2	0.2	8.1	1.2	8.2	0.9
1998	13.7	0.5	15.1	0.3	40.7	1.8	48.5	1.2	16.2	1.1	20.3	0.7	1.9	0.3	2.4	0.2	8.4	1.1	9.4	1.0
1999	15.1	0.5	15.4	0.3	44.4	1.8	50.3	1.2	17.2	1.1	20.0	0.7	2.3	0.3	2.5	0.2	8.3	1.2	8.5	1.0
2000	15.4	0.6	15.1	0.2	49.1	1.9	48.9	0.8	16.0	1.1	19.3	0.5	2.5	0.4	2.4	0.1	8.9	1.1	8.7	0.6
2001	16.0	0.6	15.0	0.2	48.3	1.9	47.6	0.8	17.9	1.1	18.8	0.5	4.5	0.5	2.7	0.1	7.3	1.1	9.6	0.7
2002	16.7	0.6	15.4	0.2	50.1	1.9	49.0	0.8	20.0	1.3	20.7	0.5	3.3	0.4	2.8	0.1	9.4	1.3	8.8	0.6
2003	16.2	0.5	15.6	0.2	52.0	2.0	48.9	0.8	21.1	1.2	21.1	0.5	3.9	0.4	3.0	0.1	6.6	0.9	9.0	0.7
2004	15.7	0.5	15.9	0.2	49.4	2.0	50.5	0.8	23.6	1.3	22.9	0.5	4.3	0.5	3.1	0.1	4.9	0.7	7.5	0.6
2005	17.5	0.6	16.7	0.3	55.8	2.1	52.2	0.9	23.5	1.4	24.5	0.6	4.0	0.4	3.1	0.2	6.5	1.4	7.8	0.8

C.27.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	38.8	0.9	38.1	0.6	72.0	2.1	78.6	1.3	49.0	1.9	55.1	1.1	21.2	1.2	17.1	0.6	32.0	2.1	38.7	1.9
1996	39.4	0.9	38.6	0.6	76.6	2.0	79.1	1.4	51.0	1.8	54.8	1.2	18.6	1.1	18.4	0.6	28.6	2.3	41.8	2.0
1997	38.6	0.9	38.7	0.6	74.1	2.1	78.7	1.4	49.4	1.8	54.3	1.2	19.6	1.1	19.1	0.7	29.6	2.5	37.1	2.0
1998	37.6	0.9	39.0	0.6	72.5	2.1	78.4	1.4	49.7	1.9	57.7	1.1	18.0	1.1	18.5	0.6	32.4	2.4	36.2	2.0
1999	39.7	1.0	39.6	0.6	75.4	2.1	76.4	1.4	52.4	1.9	54.6	1.2	20.2	1.2	21.0	0.7	30.2	2.6	35.6	2.2
2000	40.5	0.9	38.7	0.4	75.3	2.1	75.9	0.9	51.3	1.9	53.6	0.7	22.1	1.2	19.9	0.4	30.2	2.4	36.1	1.3
2001	39.2	1.0	38.3	0.4	75.5	2.2	74.8	0.9	52.1	1.9	53.7	0.7	21.9	1.2	19.2	0.4	29.4	2.5	37.0	1.4
2002	41.0	1.0	38.2	0.4	77.4	2.1	76.0	0.9	56.4	2.0	53.9	0.8	20.5	1.2	19.9	0.4	37.6	2.7	36.2	1.4
2003	38.7	0.9	39.1	0.4	79.1	2.1	76.0	0.9	55.6	2.0	55.2	0.8	21.2	1.2	20.7	0.4	24.9	2.0	35.4	1.5
2004	40.4	0.9	39.2	0.4	85.3	2.0	76.5	0.9	59.5	2.0	57.0	0.8	27.0	1.3	22.1	0.4	16.8	1.6	31.8	1.5
2005	40.0	1.0	40.2	0.4	79.5	2.1	77.6	0.9	57.0	2.0	59.4	0.8	22.5	1.1	22.1	0.4	24.0	2.8	35.3	1.7
2006	43.1	1.0	40.4	0.4	83.2	2.1	80.1	0.9	60.5	2.0	59.6	0.8	25.6	1.2	22.5	0.4	32.2	3.5	29.7	1.6
2007	40.0	1.0	40.8	0.4	84.6	2.2	77.8	0.9	62.2	2.1	61.3	0.8	23.9	1.2	23.2	0.4	17.4	2.5	27.4	1.6
2008	42.8	1.0	41.5	0.4	82.7	2.2	78.9	0.9	63.8	2.0	61.1	0.8	25.1	1.2	23.8	0.5	21.7	3.1	27.3	1.6
2009	38.7	1.2	39.9	0.5	77.4	3.4	76.6	1.2	59.5	2.8	60.5	1.1	28.0	1.4	27.4	0.6	16.7	3.4	22.2	1.8

C.28.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	16.4	0.7	16.9	0.5	48.6	2.4	54.3	1.7	19.1	1.5	24.1	1.0	4.5	0.6	3.1	0.3	8.3	1.3	12.3	1.4
1996	17.9	0.7	17.7	0.5	51.8	2.4	56.8	1.7	21.5	1.5	25.9	1.1	2.7	0.5	3.1	0.3	10.8	1.6	14.7	1.5
1997	17.7	0.8	17.5	0.5	50.0	2.5	54.7	1.7	20.8	1.5	25.5	1.0	4.5	0.6	3.4	0.3	10.7	1.7	12.3	1.4
1998	16.7	0.7	17.9	0.5	45.7	2.5	54.1	1.7	21.2	1.6	26.3	1.0	3.9	0.6	4.0	0.3	11.8	1.7	14.2	1.5
1999	18.1	0.8	17.3	0.5	51.0	2.5	51.8	1.7	21.9	1.6	24.4	1.0	4.3	0.6	3.7	0.3	11.5	1.9	14.1	1.7
2000	18.7	0.8	17.6	0.3	54.1	2.5	53.7	1.1	20.6	1.6	24.2	0.7	4.9	0.7	3.6	0.2	10.7	1.7	13.9	1.0
2001	18.7	0.8	17.5	0.3	54.7	2.7	53.3	1.1	25.5	1.7	24.0	0.7	4.7	0.6	3.9	0.2	10.9	1.8	13.4	1.0
2002	19.1	0.8	17.8	0.3	55.0	2.6	54.3	1.1	25.9	1.8	26.5	0.7	4.2	0.6	4.0	0.2	12.9	1.9	10.8	1.0
2003	17.9	0.8	18.0	0.3	52.7	2.7	52.7	1.1	25.7	1.8	25.5	0.7	5.4	0.7	4.7	0.2	8.8	1.3	11.7	1.0
2004	17.9	0.8	18.0	0.3	59.2	2.8	54.2	1.1	27.8	1.9	28.5	0.8	5.5	0.7	4.4	0.2	5.1	1.0	11.5	1.1
2005	20.6	0.8	18.9	0.3	60.1	2.6	55.5	1.1	31.5	1.9	29.6	0.8	5.5	0.6	4.9	0.2	8.1	1.9	12.1	1.2
2006	21.6	0.9	19.7	0.3	62.5	2.8	58.2	1.1	31.0	2.0	30.3	0.8	7.0	0.7	5.6	0.2	13.9	2.6	9.7	1.1
2007	20.0	0.9	19.9	0.4	63.6	3.3	58.3	1.2	32.2	2.3	32.2	0.9	6.7	0.8	5.5	0.3	9.3	2.1	6.9	1.1

C.29.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	12.4	0.7	12.9	0.4	39.0	2.5	45.0	1.8	13.6	1.3	18.1	0.9	2.7	0.5	1.7	0.2	6.6	1.2	7.1	1.1
1996	12.7	0.7	12.9	0.4	38.0	2.4	45.1	1.8	14.7	1.4	18.3	1.0	1.7	0.4	1.8	0.2	8.5	1.5	9.4	1.3
1997	13.2	0.7	13.1	0.4	40.6	2.5	44.2	1.8	14.1	1.4	19.1	1.0	2.7	0.5	1.9	0.2	8.5	1.6	7.1	1.2
1998	11.1	0.6	13.0	0.4	35.4	2.5	44.0	1.8	13.0	1.3	18.5	1.0	1.7	0.4	2.2	0.3	6.8	1.4	8.9	1.3
1999	13.4	0.7	13.1	0.4	41.0	2.6	44.2	1.8	15.6	1.5	17.2	0.9	2.5	0.5	2.2	0.3	7.3	1.6	8.1	1.4
2000	13.9	0.7	13.1	0.3	44.0	2.6	44.0	1.1	15.5	1.4	17.5	0.6	2.3	0.5	2.0	0.2	6.9	1.4	8.8	0.9
2001	14.7	0.7	13.2	0.3	46.4	2.8	44.2	1.1	19.1	1.6	17.3	0.6	3.4	0.6	2.3	0.2	7.2	1.5	8.9	0.9
2002	14.0	0.7	13.3	0.3	43.3	2.7	44.5	1.1	17.9	1.6	19.5	0.7	2.8	0.5	2.3	0.2	9.3	1.7	5.9	0.8
2003	14.3	0.7	13.7	0.3	46.1	2.8	44.7	1.1	20.4	1.7	18.8	0.7	3.2	0.5	2.6	0.2	6.6	1.2	8.0	0.9
2004	13.1	0.7	13.5	0.3	46.8	3.0	45.3	1.2	20.2	1.8	21.2	0.7	3.1	0.5	2.3	0.2	3.7	0.9	7.1	0.9
2005	15.9	0.8	14.2	0.3	54.5	3.0	46.9	1.3	23.0	1.9	22.4	0.8	3.0	0.5	2.6	0.2	4.1	1.6	6.2	1.0

C.30.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	45.5	1.1	43.8	0.7	78.6	2.1	81.5	1.3	55.9	2.1	58.3	1.3	21.6	1.5	22.0	0.8	39.7	2.7	43.1	2.1
1996	45.2	1.1	43.1	0.6	78.3	2.0	84.0	1.2	56.4	2.1	57.9	1.3	23.9	1.5	20.8	0.8	36.3	2.7	42.1	2.0
1997	45.1	1.1	44.3	0.6	79.8	2.0	83.1	1.2	54.2	2.1	62.0	1.3	23.4	1.4	21.6	0.8	35.6	3.0	42.4	2.0
1998	45.8	1.0	44.7	0.6	80.1	1.9	82.0	1.2	58.6	2.1	61.8	1.3	23.4	1.4	22.5	0.8	38.2	2.7	37.4	2.1
1999	46.5	1.1	45.6	0.6	78.9	1.9	81.8	1.2	62.7	2.0	62.4	1.2	22.3	1.4	24.4	0.8	34.1	2.8	40.8	2.3
2000	45.2	1.1	44.4	0.4	85.1	1.9	81.3	0.8	53.2	2.2	58.5	0.8	25.0	1.4	23.0	0.5	38.0	2.7	39.5	1.4
2001	46.2	1.0	44.8	0.4	81.0	1.9	81.7	0.8	55.7	2.0	58.2	0.8	26.1	1.4	23.9	0.5	37.5	2.9	40.4	1.5
2002	46.2	1.1	44.6	0.4	84.8	1.8	80.5	0.8	58.7	2.2	58.8	0.8	24.5	1.4	24.5	0.5	36.0	2.7	43.2	1.4
2003	43.9	1.0	45.1	0.4	82.6	1.9	81.6	0.8	61.1	2.0	59.4	0.8	25.0	1.4	25.5	0.5	26.6	2.2	41.0	1.5
2004	46.2	1.0	46.0	0.4	83.5	2.0	82.2	0.8	68.0	2.0	62.9	0.9	30.7	1.5	26.8	0.5	20.8	1.9	37.8	1.6
2005	46.0	1.0	47.3	0.4	84.5	1.8	85.0	0.7	63.6	2.1	65.6	0.9	27.4	1.3	26.4	0.5	27.8	3.1	39.9	1.7
2006	49.2	1.1	48.0	0.4	83.4	1.9	85.5	0.7	68.9	2.0	65.0	0.9	28.8	1.3	28.1	0.5	35.2	3.9	37.6	1.6
2007	46.5	1.0	47.4	0.4	84.5	1.8	85.2	0.7	69.7	2.0	64.1	0.9	26.7	1.2	27.7	0.5	19.1	2.8	32.7	1.6
2008	47.9	1.1	47.6	0.4	81.5	2.0	84.7	0.7	69.3	2.1	65.7	0.8	29.0	1.3	28.1	0.5	26.8	3.8	29.4	1.6
2009	43.7	1.4	44.4	0.5	82.6	2.9	82.5	1.1	65.9	2.9	64.0	1.2	29.4	1.6	29.7	0.6	19.9	4.0	23.6	1.9

C.31.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	22.2	0.9	21.6	0.6	56.2	2.6	60.9	1.6	24.2	1.8	27.1	1.2	5.7	0.9	4.9	0.4	13.1	1.9	16.1	1.6
1996	22.2	0.9	21.8	0.6	57.0	2.5	62.7	1.6	25.5	1.9	28.9	1.2	5.9	0.8	4.5	0.4	10.9	1.8	14.9	1.5
1997	22.0	0.9	21.5	0.5	55.8	2.5	61.4	1.7	25.3	1.8	29.9	1.2	4.7	0.7	4.4	0.4	12.8	2.2	14.6	1.5
1998	22.6	0.9	23.0	0.6	58.3	2.4	64.2	1.6	27.1	2.0	30.7	1.2	4.4	0.7	4.6	0.4	14.4	2.1	14.1	1.6
1999	22.6	0.9	23.6	0.6	55.1	2.4	65.9	1.6	27.2	1.9	32.1	1.2	4.6	0.7	5.1	0.4	15.4	2.2	15.3	1.8
2000	22.6	0.9	22.8	0.4	65.3	2.6	62.2	1.0	24.1	1.9	29.8	0.8	4.8	0.7	5.2	0.3	15.9	2.1	14.0	1.0
2001	24.0	0.9	22.6	0.4	59.7	2.5	60.1	1.0	27.1	1.8	28.9	0.8	7.9	0.9	5.6	0.3	14.3	2.2	16.1	1.1
2002	25.6	0.9	23.4	0.4	63.5	2.4	63.0	1.0	32.6	2.1	30.2	0.8	6.5	0.8	6.3	0.3	17.1	2.2	18.2	1.2
2003	24.0	0.9	23.4	0.4	66.6	2.5	62.4	1.0	31.5	2.0	32.0	0.8	8.2	0.9	6.5	0.3	9.1	1.5	14.6	1.1
2004	25.0	0.9	24.6	0.4	65.1	2.6	64.1	1.0	38.6	2.2	34.1	0.9	9.2	0.9	7.6	0.3	7.7	1.3	14.8	1.2
2005	24.4	0.9	25.7	0.4	64.5	2.5	67.4	1.0	34.0	2.1	36.1	0.9	7.8	0.8	7.1	0.3	11.9	2.3	16.3	1.3
2006	28.1	1.0	25.7	0.4	66.1	2.5	67.5	1.0	42.2	2.2	36.4	0.9	9.0	0.9	7.5	0.3	14.6	3.0	11.5	1.1
2007	26.1	1.0	25.1	0.4	66.7	2.7	65.0	1.1	37.5	2.4	35.9	1.0	8.9	0.9	7.7	0.4	11.7	2.6	9.3	1.2

C.32.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
White Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	16.7	0.9	16.4	0.5	48.1	2.7	51.9	1.7	15.1	1.6	20.1	1.1	2.6	0.6	2.4	0.3	11.2	1.8	9.9	1.3
1996	17.6	0.9	16.7	0.5	49.8	2.7	53.6	1.7	18.3	1.7	21.3	1.2	4.0	0.7	2.3	0.3	7.6	1.6	9.0	1.3
1997	16.0	0.8	16.5	0.5	45.5	2.6	52.4	1.8	17.2	1.6	21.8	1.1	2.3	0.5	2.5	0.3	7.7	1.8	9.2	1.3
1998	16.8	0.8	17.4	0.5	45.9	2.5	52.4	1.7	20.1	1.8	22.5	1.1	2.1	0.5	2.6	0.3	10.3	1.9	9.9	1.4
1999	17.1	0.8	18.1	0.5	47.7	2.5	56.3	1.7	19.0	1.7	23.4	1.2	2.0	0.5	2.9	0.3	9.4	1.9	8.8	1.5
2000	17.3	0.9	17.6	0.3	55.1	2.8	53.7	1.1	16.7	1.7	21.5	0.7	2.7	0.6	2.9	0.2	11.1	1.8	8.5	0.9
2001	17.5	0.8	17.2	0.3	49.9	2.6	51.0	1.1	16.5	1.6	20.8	0.7	5.8	0.8	3.3	0.2	7.3	1.7	10.4	1.0
2002	19.7	0.9	17.8	0.3	56.1	2.6	53.3	1.1	22.7	2.0	22.2	0.7	3.8	0.6	3.4	0.2	9.4	1.8	11.7	1.0
2003	18.4	0.8	17.8	0.3	57.8	2.7	53.1	1.1	22.0	1.8	23.8	0.8	4.8	0.7	3.4	0.2	6.7	1.4	10.0	1.0
2004	18.6	0.8	18.5	0.3	51.9	2.8	55.3	1.1	27.3	2.0	24.9	0.8	5.8	0.8	4.1	0.2	6.3	1.2	7.9	0.9
2005	19.2	0.9	19.5	0.4	57.1	2.9	57.0	1.2	24.1	2.1	26.9	0.9	5.2	0.7	3.8	0.3	9.2	2.3	9.3	1.2

C.33.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	40.9	1.8	40.3	1.2	74.9	4.0	79.2	2.7	54.9	3.8	55.3	2.4	22.6	2.2	19.8	1.3	38.3	4.5	56.2	4.0
1996	36.5	1.7	38.2	1.2	71.0	4.0	79.1	2.8	45.9	3.5	52.2	2.4	19.6	2.1	18.5	1.3	31.6	4.5	45.2	3.7
1997	37.8	1.8	37.1	1.2	75.3	4.0	75.1	2.9	50.5	3.9	53.4	2.5	17.3	1.9	19.2	1.3	44.5	5.3	44.2	4.0
1998	37.0	1.7	38.6	1.2	74.9	4.3	78.1	2.8	52.7	3.7	52.3	2.4	18.0	1.9	21.4	1.3	39.6	5.5	46.5	4.4
1999	39.7	1.7	40.5	1.2	71.9	3.9	79.4	2.6	57.3	3.8	61.4	2.3	18.9	2.0	19.7	1.3	43.8	4.8	38.6	4.3
2000	39.5	1.9	38.6	0.8	69.6	4.4	74.3	2.0	59.8	3.9	54.0	1.6	19.5	2.1	21.5	0.9	43.0	5.6	41.3	2.9
2001	38.1	1.8	38.8	0.8	71.7	4.2	76.4	1.9	57.3	3.9	52.0	1.5	21.7	2.0	21.8	0.9	28.2	5.8	42.3	3.3
2002	40.0	1.8	38.4	0.8	72.4	4.6	76.5	1.9	56.8	3.6	54.2	1.5	26.3	2.2	21.3	0.9	18.3	5.5	32.6	3.3
2003	37.3	1.7	38.2	0.8	76.9	4.5	72.2	2.0	61.1	3.6	56.2	1.6	20.7	1.9	21.3	0.9	28.5	4.7	43.2	3.2
2004	40.1	1.8	39.3	0.8	83.9	4.0	75.2	1.9	64.6	4.1	59.6	1.6	31.9	2.5	23.3	0.9	12.0	2.4	36.2	3.4
2005	44.3	1.8	40.6	0.8	83.2	3.7	76.6	1.9	56.9	3.7	57.6	1.7	28.6	2.2	25.3	0.9	41.7	8.1	37.6	3.8
2006	44.3	1.8	42.4	0.8	78.7	4.2	78.9	1.8	69.0	3.6	63.6	1.6	27.9	2.0	26.5	0.9	41.8	7.2	43.0	3.6
2007	43.1	1.8	41.8	0.8	78.5	4.7	78.9	1.8	67.9	3.6	60.8	1.6	28.4	2.1	26.0	0.9	30.5	8.1	35.1	3.6
2008	41.7	1.9	42.3	0.8	76.1	4.7	81.3	1.7	59.8	4.3	61.2	1.6	29.9	2.2	25.9	0.9	32.1	7.2	35.6	3.6
2009	42.9	2.4	40.2	0.9	85.1	5.5	78.0	2.6	63.5	5.4	62.2	2.1	30.2	2.7	28.0	1.1	33.0	11.1	28.6	4.2

C.34.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	17.0	1.4	16.8	0.9	46.9	4.7	55.2	3.5	20.8	3.2	23.2	2.1	5.1	1.2	3.1	0.6	14.6	3.4	18.3	3.2
1996	15.6	1.3	15.3	0.9	48.0	4.6	54.1	3.5	17.3	2.8	20.7	2.0	3.5	1.0	2.5	0.5	11.8	3.2	13.7	2.7
1997	18.2	1.4	16.7	0.9	50.0	4.7	53.2	3.5	25.6	3.5	24.6	2.2	3.6	1.0	3.9	0.6	18.7	4.3	17.4	3.2
1998	17.3	1.4	17.0	0.9	55.9	5.1	55.8	3.5	21.2	3.1	22.7	2.1	5.1	1.2	5.2	0.7	13.4	4.0	13.4	3.2
1999	17.3	1.4	18.5	0.9	49.8	4.5	57.5	3.3	21.2	3.2	27.7	2.2	3.8	1.0	3.5	0.6	16.8	3.8	15.8	3.4
2000	17.7	1.5	16.5	0.6	46.2	5.0	51.7	2.3	25.2	3.5	21.7	1.3	4.5	1.1	4.8	0.5	19.7	4.6	16.8	2.3
2001	18.7	1.5	16.8	0.6	52.1	4.9	52.5	2.3	27.0	3.6	22.5	1.3	6.1	1.2	4.7	0.5	14.1	4.7	14.4	2.5
2002	17.6	1.4	17.5	0.6	47.6	5.3	49.1	2.3	24.1	3.2	25.4	1.4	7.8	1.4	5.4	0.5	11.3	4.8	19.0	2.9
2003	16.7	1.3	16.7	0.6	48.0	5.4	46.2	2.3	26.2	3.3	27.4	1.4	6.0	1.1	4.4	0.4	17.0	4.0	21.2	2.7
2004	18.9	1.5	17.9	0.6	56.8	5.4	52.2	2.3	31.3	4.0	28.8	1.6	9.0	1.6	5.7	0.5	7.1	2.0	18.9	2.9
2005	21.3	1.5	18.3	0.7	52.9	5.0	48.9	2.4	33.4	3.7	31.2	1.6	7.4	1.3	6.4	0.5	24.4	7.2	10.4	2.5
2006	22.3	1.5	18.8	0.6	55.5	5.2	55.7	2.3	41.3	3.9	31.6	1.6	8.5	1.3	6.3	0.5	17.7	5.7	14.2	2.6
2007	19.9	1.7	19.0	0.7	54.2	6.9	56.6	2.6	38.3	4.3	30.8	1.8	8.2	1.5	6.3	0.6	4.7	4.2	11.7	2.8

C.35.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	13.8	1.3	13.1	0.9	37.9	4.7	45.7	3.6	17.9	3.1	17.9	1.9	4.3	1.2	1.9	0.5	9.8	3.0	13.3	3.0
1996	11.6	1.2	11.7	0.8	41.1	4.7	41.4	3.6	11.1	2.4	16.4	1.8	1.8	0.7	1.6	0.5	8.3	2.8	10.3	2.5
1997	14.0	1.4	12.2	0.8	42.1	4.9	42.7	3.6	18.8	3.3	17.5	2.0	2.4	0.8	2.7	0.6	12.6	3.8	8.3	2.4
1998	12.7	1.3	11.9	0.8	43.8	5.2	40.6	3.6	15.6	2.8	15.8	1.8	3.9	1.1	3.4	0.6	5.7	2.8	8.1	2.6
1999	13.2	1.3	13.8	0.9	39.4	4.6	45.0	3.5	14.9	2.9	19.9	2.0	2.9	0.9	2.6	0.5	12.8	3.5	10.0	2.9
2000	13.1	1.4	11.6	0.5	38.9	5.1	40.8	2.4	17.4	3.1	14.3	1.2	3.1	1.0	2.7	0.4	11.1	3.7	11.8	2.1
2001	13.7	1.3	12.3	0.6	40.7	5.0	41.2	2.3	21.3	3.4	17.3	1.2	3.5	1.0	2.5	0.4	7.7	3.7	9.3	2.1
2002	11.6	1.3	12.1	0.6	31.3	5.1	40.7	2.3	16.6	2.9	16.4	1.2	4.8	1.1	2.7	0.4	7.1	4.0	11.8	2.5
2003	13.4	1.3	12.5	0.6	40.9	5.5	37.8	2.3	21.1	3.2	20.6	1.3	4.4	1.0	2.5	0.3	13.3	3.8	14.5	2.5
2004	14.4	1.4	13.0	0.6	44.7	5.6	41.2	2.4	26.3	3.9	21.3	1.5	5.1	1.3	3.2	0.4	5.5	1.8	14.3	2.7
2005	15.0	1.5	13.2	0.6	46.8	5.3	39.8	2.5	20.1	3.5	22.1	1.7	4.3	1.1	3.9	0.5	+		+	

+ Statistic could not be calculated

C.36.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	41.0	2.2	39.5	1.4	76.6	5.2	79.8	3.4	57.9	4.8	52.9	2.8	23.5	2.8	20.0	1.6	35.8	5.3	50.0	4.9
1996	37.0	2.2	35.4	1.4	74.2	4.9	79.7	3.7	43.1	4.7	46.1	3.0	20.3	2.7	17.9	1.6	39.7	6.1	47.8	5.2
1997	36.0	2.3	34.7	1.4	71.8	5.3	73.7	3.8	44.9	4.9	49.9	3.2	17.5	2.5	17.5	1.5	49.7	6.8	45.5	5.1
1998	33.0	2.2	36.2	1.5	78.1	6.0	72.4	4.2	49.9	4.9	52.2	3.0	16.2	2.4	19.3	1.6	39.0	7.3	44.9	5.6
1999	37.0	2.2	37.5	1.5	75.3	5.3	78.4	3.9	54.9	5.0	58.5	2.9	17.7	2.4	17.8	1.6	39.7	6.5	37.9	5.7
2000	36.0	2.4	35.1	1.0	62.3	6.2	70.4	2.8	57.2	5.3	51.1	2.0	18.1	2.7	18.7	1.1	41.2	7.2	39.1	3.8
2001	35.0	2.3	36.7	1.0	63.3	5.8	71.8	2.6	53.5	5.2	51.3	1.9	21.2	2.6	20.3	1.1	30.8	8.2	41.8	4.4
2002	35.0	2.4	35.4	1.0	64.3	7.1	73.8	2.7	57.8	4.8	51.9	2.0	20.9	2.7	19.4	1.1	19.4	7.8	25.9	4.0
2003	32.0	2.1	36.4	1.0	70.2	6.8	71.3	2.7	52.7	4.8	53.3	2.0	17.7	2.3	19.5	1.1	30.7	6.3	40.9	4.1
2004	37.0	2.4	37.2	1.0	91.2	5.2	70.9	2.8	61.1	5.5	58.0	2.2	28.3	3.4	22.0	1.1	9.7	3.1	37.1	4.4
2005	40.0	2.5	37.2	1.1	82.3	5.8	74.5	2.9	56.0	5.4	57.4	2.3	24.7	2.8	22.4	1.2	*		29.1	4.7
2006	42.0	2.4	40.2	1.0	74.7	6.1	76.2	2.7	68.0	5.0	62.1	2.2	26.5	2.8	24.9	1.1	*		44.5	4.7
2007	38.0	2.5	36.7	1.0	71.8	8.2	73.5	2.7	62.4	5.1	55.0	2.2	25.1	2.8	22.4	1.1	*		30.9	4.7
2008	39.0	2.5	39.7	1.0	73.0	7.8	78.6	2.5	59.6	5.7	59.0	2.2	29.1	2.9	25.0	1.2	28.3	8.6	31.4	4.3
2009	41.0	3.3	36.6	1.2	85.6	8.2	73.7	3.8	57.3	7.9	57.6	2.9	31.5	3.7	25.9	1.4	*		25.4	4.9

* Statistic not displayed due to less than 25 cases.

C.37.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	15.1	1.7	15.8	1.1	41.4	6.1	53.6	4.4	20.2	4.0	21.2	2.4	5.1	1.5	2.6	0.7	13.1	3.9	18.2	3.9
1996	16.2	1.7	13.4	1.1	50.6	5.9	54.1	4.7	17.6	3.7	17.8	2.4	2.3	1.0	1.8	0.6	16.4	4.8	13.5	3.7
1997	18.3	1.9	15.1	1.1	43.6	6.1	52.1	4.5	26.8	4.6	20.7	2.7	4.3	1.4	3.7	0.8	23.1	6.0	16.9	4.0
1998	15.3	1.8	14.8	1.1	54.8	7.6	49.9	4.9	21.0	4.1	21.9	2.6	4.4	1.4	4.0	0.8	14.2	5.4	13.3	4.0
1999	15.8	1.8	16.1	1.2	50.7	6.4	53.4	4.9	19.3	4.1	25.9	2.7	3.5	1.2	2.7	0.7	17.2	5.3	19.4	4.9
2000	15.8	1.9	14.3	0.7	39.8	6.6	49.0	3.2	24.9	4.7	19.0	1.6	3.7	1.4	4.1	0.6	15.6	5.5	15.3	2.9
2001	17.2	1.9	15.0	0.8	48.1	6.5	47.9	3.0	20.3	4.3	20.2	1.6	6.7	1.7	4.6	0.6	16.6	6.9	13.5	3.2
2002	15.9	1.9	15.5	0.8	41.8	7.6	47.7	3.1	23.9	4.2	22.9	1.7	6.9	1.7	4.7	0.6	12.7	6.9	14.8	3.5
2003	12.0	1.5	14.9	0.8	34.2	7.2	41.8	3.0	18.9	3.8	24.2	1.8	4.1	1.2	3.9	0.5	19.1	5.5	17.9	3.3
2004	18.3	2.0	16.4	0.8	54.6	8.4	49.1	3.2	30.0	5.4	26.9	2.0	10.0	2.3	5.2	0.6	7.3	2.9	18.5	3.8
2005	17.1	2.0	16.6	0.8	53.2	7.7	45.9	3.4	23.9	4.7	31.5	2.2	5.7	1.5	5.3	0.7	*		10.1	3.2
2006	21.0	2.1	16.6	0.8	50.7	7.2	52.2	3.3	38.1	5.4	27.0	2.0	7.6	1.7	6.0	0.6	*		16.3	3.6
2007	15.7	2.1	15.3	0.9	41.8	10.7	50.8	3.6	28.2	5.4	25.8	2.3	7.8	2.0	4.4	0.6	*		12.8	4.0

* Statistic not displayed due to less than 25 cases.

C.38.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	12.2	1.6	11.9	1.0	33.8	6.1	41.0	4.5	16.7	3.9	17.0	2.3	4.6	1.5	1.7	0.6	8.3	3.3	12.2	3.5
1996	12.1	1.6	9.9	1.0	41.7	6.1	40.1	4.8	11.8	3.2	14.6	2.3	1.0	0.7	0.9	0.4	12.2	4.4	8.4	3.1
1997	14.1	1.8	11.1	1.0	38.1	6.4	41.4	4.7	19.1	4.3	15.3	2.5	2.1	1.0	2.3	0.7	18.8	5.8	9.9	3.4
1998	10.2	1.6	9.5	1.0	40.1	7.8	31.7	4.7	11.9	3.4	13.9	2.3	3.4	1.3	2.5	0.7	7.6	4.2	9.7	3.5
1999	12.4	1.7	11.8	1.1	42.7	6.5	40.0	5.1	14.0	3.8	18.8	2.5	1.9	1.0	2.1	0.6	13.9	4.9	13.0	4.4
2000	11.5	1.7	9.9	0.7	32.8	6.6	37.2	3.2	16.5	4.1	11.8	1.4	2.8	1.2	2.7	0.5	9.6	4.6	10.9	2.6
2001	10.7	1.6	10.6	0.7	31.5	6.3	36.2	3.1	14.5	3.9	15.6	1.5	2.8	1.1	2.2	0.4	11.2	6.2	7.4	2.6
2002	10.4	1.6	11.0	0.7	24.0	6.8	39.8	3.2	17.7	4.0	15.3	1.5	4.1	1.4	2.4	0.4	8.8	6.0	11.0	3.2
2003	9.7	1.4	12.0	0.7	28.0	7.1	33.8	3.0	14.0	3.5	20.0	1.7	3.4	1.1	2.7	0.5	16.2	5.3	15.5	3.3
2004	13.6	1.9	12.0	0.7	42.8	8.6	38.0	3.2	21.6	5.1	20.1	1.9	6.4	2.0	3.1	0.5	6.5	2.8	16.0	3.8
2005	10.9	1.8	11.9	0.8	39.7	8.4	34.7	3.6	15.8	4.5	23.3	2.3	2.7	1.2	3.3	0.6	*		+	

* Statistic not displayed due to less than 25 cases.

+ Statistic could not be calculated

C.39.

1-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	40.7	2.9	42.0	2.0	72.7	6.1	78.1	4.5	49.9	6.1	61.0	4.2	20.9	3.6	19.4	2.2	44.1	8.4	69.0	6.6
1996	34.6	2.7	42.9	1.9	65.7	6.7	78.2	4.3	49.5	5.4	61.5	3.6	18.5	3.3	19.8	2.3	19.9	6.0	42.2	5.4
1997	39.3	2.8	41.2	1.9	80.4	5.7	77.3	4.4	59.4	6.2	58.9	4.0	17.0	3.0	22.4	2.3	36.3	8.1	42.1	6.5
1998	41.4	2.7	42.3	1.8	72.1	6.0	84.5	3.6	56.3	5.5	52.3	3.8	21.0	3.3	24.6	2.2	40.5	8.5	49.3	7.3
1999	43.3	2.7	44.9	1.8	68.2	5.8	80.4	3.5	60.5	5.7	66.3	3.6	21.0	3.4	22.6	2.2	48.5	7.1	39.4	6.5
2000	42.9	2.8	44.2	1.3	79.0	6.0	79.0	2.7	63.3	5.9	58.5	2.5	21.3	3.3	26.2	1.6	45.8	8.8	44.2	4.5
2001	41.1	2.7	42.1	1.3	83.6	5.4	82.3	2.6	62.2	5.8	53.2	2.5	22.3	3.1	24.3	1.5	25.2	8.3	43.1	5.1
2002	45.2	2.7	42.9	1.3	79.8	5.9	79.7	2.7	55.5	5.4	58.1	2.5	33.4	3.6	24.4	1.5	17.0	7.8	42.2	5.5
2003	45.0	2.8	40.7	1.2	83.9	5.6	73.3	3.0	73.5	5.2	60.9	2.5	25.7	3.4	23.7	1.4	25.5	7.0	46.5	4.9
2004	42.6	2.6	42.0	1.2	78.4	5.7	80.1	2.6	69.2	5.9	61.7	2.5	35.8	3.7	25.1	1.4	14.2	3.7	35.0	5.1
2005	48.7	2.6	44.8	1.2	83.9	4.8	78.5	2.6	57.8	5.2	57.9	2.6	33.3	3.4	29.2	1.5	*		49.7	6.2
2006	45.8	2.5	45.3	1.2	83.2	5.6	81.7	2.5	70.1	5.0	65.6	2.5	29.5	3.0	28.8	1.4	41.8	9.4	40.9	5.4
2007	48.2	2.6	48.2	1.2	82.9	5.6	84.8	2.3	74.3	5.0	67.5	2.3	32.0	3.1	30.8	1.4	*		40.5	5.6
2008	45.4	2.9	45.6	1.2	78.1	5.9	84.1	2.3	60.1	6.6	64.0	2.4	31.1	3.5	27.2	1.4	*		43.6	6.4
2009	45.1	3.5	45.1	1.5	84.7	7.5	82.5	3.4	69.5	7.3	68.1	3.0	28.4	4.1	30.9	1.7	*		36.0	8.3

* Statistic not displayed due to less than 25 cases.

C.40.

3-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	20.3	2.5	18.8	1.6	54.2	7.1	57.8	5.5	21.8	5.2	27.9	4.0	5.1	2.0	3.9	1.1	18.2	6.8	18.6	5.7
1996	14.6	2.0	18.5	1.6	43.6	7.2	54.3	5.3	17.0	4.2	24.9	3.3	5.2	1.9	3.8	1.1	4.9	3.4	14.0	4.0
1997	18.1	2.3	19.4	1.6	59.5	7.3	54.9	5.4	23.9	5.4	30.6	3.8	2.7	1.3	4.3	1.1	11.8	5.6	18.1	5.2
1998	20.1	2.3	20.1	1.5	56.8	6.8	62.5	4.9	21.5	4.7	23.8	3.3	6.3	2.0	6.9	1.3	12.3	5.8	13.6	5.2
1999	19.3	2.2	21.9	1.6	48.8	6.4	61.3	4.4	23.6	5.1	30.9	3.6	4.3	1.7	4.7	1.1	16.5	5.4	11.2	4.3
2000	20.2	2.4	19.8	1.0	54.5	7.6	55.1	3.4	25.5	5.4	25.9	2.3	5.4	1.9	5.9	0.9	25.6	7.9	18.8	3.7
2001	20.8	2.3	19.6	1.0	58.1	7.3	58.4	3.4	35.4	5.8	26.3	2.3	5.3	1.7	4.8	0.8	11.0	6.0	15.6	3.9
2002	19.8	2.2	20.5	1.0	53.0	7.3	50.7	3.4	24.2	4.8	29.4	2.3	8.9	2.2	6.6	0.9	9.1	6.2	25.0	5.1
2003	23.8	2.4	19.2	1.0	62.1	7.5	51.9	3.5	36.9	5.7	32.3	2.4	9.3	2.3	5.1	0.7	14.0	5.9	25.9	4.5
2004	19.5	2.1	19.9	1.0	58.3	7.0	55.7	3.3	32.9	6.1	31.2	2.4	8.1	2.1	6.4	0.8	6.9	2.7	19.5	4.4
2005	25.8	2.3	20.5	1.0	52.7	6.5	51.7	3.2	42.3	5.3	30.8	2.4	9.5	2.1	7.9	0.9	*		10.9	3.9
2006	23.6	2.2	21.7	1.0	60.8	7.5	59.2	3.2	44.6	5.6	37.8	2.6	9.6	2.0	6.8	0.8	11.4	6.2	11.5	3.6
2007	24.2	2.6	23.5	1.1	62.5	8.8	63.1	3.7	49.9	6.7	36.5	2.7	8.7	2.2	8.8	1.0	*		10.5	4.0

* Statistic not displayed due to less than 25 cases.

C.41.

5-Year Relative Survival Rates for
Cancers of the Lung and Bronchus by Year of Diagnosis,
Black Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	16.4	2.4	15.2	1.6	43.4	7.3	53.4	5.9	19.7	5.2	19.8	3.6	3.7	1.8	2.4	0.9	12.6	6.0	14.9	5.3
1996	10.9	1.8	14.6	1.5	39.9	7.4	43.0	5.4	10.1	3.4	19.0	3.1	3.0	1.5	2.9	1.0	2.6	2.6	12.5	3.9
1997	14.0	2.1	14.1	1.5	48.1	7.6	44.7	5.6	18.5	5.1	21.1	3.5	2.7	1.3	3.5	1.0	3.1	3.1	5.8	3.3
1998	16.2	2.2	15.3	1.4	46.9	7.0	50.3	5.3	20.1	4.7	18.7	3.1	4.6	1.8	4.7	1.1	3.2	3.2	5.0	3.4
1999	14.2	2.0	16.6	1.4	35.4	6.3	49.3	4.7	16.1	4.5	21.8	3.3	4.3	1.7	3.4	1.0	11.0	4.7	6.2	3.5
2000	15.1	2.2	14.1	0.9	46.8	7.9	45.2	3.5	18.6	4.9	18.1	2.0	3.6	1.6	2.7	0.6	13.3	6.3	13.0	3.4
2001	17.7	2.2	14.9	1.0	53.2	7.8	47.6	3.5	29.8	5.7	19.9	2.1	4.4	1.6	2.8	0.6	3.7	3.7	11.9	3.6
2002	13.2	2.0	13.7	0.9	37.8	7.3	41.8	3.4	15.2	4.1	18.2	2.0	5.5	1.8	3.2	0.6	5.3	5.2	13.0	4.1
2003	19.1	2.3	13.1	0.9	54.0	8.0	43.1	3.5	31.5	5.7	21.6	2.2	5.9	1.9	2.3	0.5	8.7	4.9	13.2	3.6
2004	15.2	1.9	14.3	0.9	45.9	7.2	44.8	3.4	31.8	6.1	22.9	2.2	3.8	1.5	3.3	0.6	4.7	2.3	12.3	3.9
2005	19.4	2.3	14.9	1.0	+		44.5	3.6	24.3	5.2	20.6	2.4	6.3	2.0	4.7	0.8	*		+	

* Statistic not displayed due to less than 25 cases.

+ Statistic could not be calculated.

Cancer Incidence, Mortality and Survival Tables

D. Cancers of the Prostate Gland

D.1.

Numbers of Invasive Cancers of the Prostate Gland
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Male Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	3,586	114.1 ±3.4	115.5	---
1986	3,818	120.2 ±3.4	119.1	---
1987	4,433	135.6 ±3.6	133.7	---
1988	4,646	140.7 ±3.6	137.6	---
1989	5,128	153.8 ±3.7	145.4	---
1990	6,357	186.6 ±4.1	171.0	---
1991	8,392	239.4 ±4.5	214.8	---
1992	9,899	271.5 ±4.8	237.4	---
1993	9,180	244.6 ±4.5	209.4	---
1994	7,812	204.0 ±4.1	180.2	---
1995	7,197	183.5 ±3.9	169.1	---
1996	7,233	181.9 ±3.9	169.2	---
1997	7,712	191.4 ±4.0	173.4	---
1998	7,894	194.0 ±4.0	170.8	---
1999	8,778	212.5 ±4.1	183.2	168.7
2000	8,814	207.0 ±4.0	182.7	170.4
2001	8,925	204.5 ±4.0	184.5	172.5
2002	9,166	203.8 ±3.9	181.9	170.5
2003	8,368	182.3 ±3.7	169.1	155.5
2004	8,150	170.8 ±3.5	165.1	151.4
2005	7,710	159.8 ±3.4	155.9	148.3
2006	8,349	167.8 ±3.5	170.2	157.8
2007	8,966	176.6 ±3.5	172.8	161.1
2008	8,197	158.0 ±3.3	155.5	144.8
2009	8,102	152.5 ±3.2	151.9	---

--- Not available

D.2.

Numbers of Invasive Cancers of the Prostate Gland
and Age-Adjusted Incidence Rates by Year of Diagnosis,
White Male Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	3,018	108.0 ±3.5	114.7	---
1986	3,231	114.1 ±3.6	119.0	---
1987	3,759	129.0 ±3.7	134.6	---
1988	3,970	135.3 ±3.8	138.8	---
1989	4,331	146.4 ±3.9	146.2	---
1990	5,412	178.4 ±4.2	172.7	---
1991	7,168	228.2 ±4.7	216.4	---
1992	8,414	257.3 ±4.9	238.3	---
1993	7,578	225.0 ±4.6	204.4	---
1994	6,290	184.0 ±4.1	174.1	---
1995	5,873	167.6 ±4.0	164.2	---
1996	5,889	165.6 ±3.9	164.9	---
1997	6,321	175.0 ±4.0	169.8	---
1998	6,482	177.4 ±4.0	167.2	---
1999	7,244	195.1 ±4.2	178.9	161.2
2000	7,237	192.7 ±4.1	179.0	162.4
2001	7,416	193.9 ±4.1	182.3	164.2
2002	7,415	189.0 ±4.1	179.3	161.9
2003	6,713	169.0 ±3.8	165.6	146.1
2004	6,443	158.0 ±3.7	161.3	141.9
2005	6,083	146.3 ±3.5	150.9	139.0
2006	6,508	153.0 ±3.6	165.5	148.1
2007	6,957	158.6 ±3.6	166.6	149.5
2008	6,431	142.8 ±3.4	149.3	133.9
2009	6,241	134.3 ±3.3	145.3	---

--- Not available

D.3.

Numbers of Invasive Cancers of the Prostate Gland
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Black Male Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	542	169.3 ±13.3	170.1	---
1986	553	171.4 ±13.0	168.6	---
1987	634	190.9 ±13.4	189.0	---
1988	616	180.7 ±13.0	190.0	---
1989	732	212.0 ±13.9	192.0	---
1990	863	245.4 ±14.9	222.4	---
1991	1,104	309.7 ±16.4	288.7	---
1992	1,341	357.6 ±17.1	328.6	---
1993	1,420	372.5 ±17.4	344.8	---
1994	1,335	336.2 ±16.6	314.0	---
1995	1,209	298.0 ±15.7	282.2	---
1996	1,222	301.1 ±15.6	283.4	---
1997	1,282	315.2 ±15.6	285.2	---
1998	1,301	319.3 ±15.8	287.4	---
1999	1,355	321.9 ±15.9	290.5	252.4
2000	1,382	322.5 ±15.8	291.7	259.5
2001	1,297	294.9 ±14.9	274.2	258.8
2002	1,411	322.4 ±15.4	288.7	255.5
2003	1,329	294.3 ±14.6	260.4	238.7
2004	1,212	262.0 ±13.8	256.0	233.3
2005	1,132	237.0 ±13.2	247.3	226.4
2006	1,217	248.4 ±13.4	250.6	229.7
2007	1,268	253.6 ±13.4	262.3	236.0
2008	1,163	228.1 ±12.6	248.3	218.1
2009	1,237	233.2 ±12.8	239.0	---

--- Not available

D.4.

Age-Adjusted Incidence Rates for
Invasive Cancer of the Prostate Gland by Race,
Male Michigan Residents, 1985-2009

Year of Diagnosis	All Races	White	Black
1985	114.1	108.0	169.3
1986	120.2	114.1	171.4
1987	135.6	129.0	190.9
1988	140.7	135.3	180.7
1989	153.8	146.4	212.0
1990	186.6	178.4	245.4
1991	239.4	228.2	309.7
1992	271.5	257.3	357.6
1993	244.6	225.0	372.5
1994	204.0	184.0	336.2
1995	183.5	167.6	298.0
1996	181.9	165.6	301.1
1997	191.4	175.0	315.2
1998	194.0	177.4	319.3
1999	212.5	195.1	321.9
2000	207.0	192.7	322.5
2001	204.5	193.9	294.9
2002	203.8	189.0	322.4
2003	182.3	169.0	294.3
2004	170.8	158.0	262.0
2005	159.8	146.3	237.0
2006	167.8	153.0	248.4
2007	176.6	158.6	253.6
2008	158.0	142.8	228.1
2009	152.5	134.3	233.2

D.5.

Numbers of Deaths Due to Invasive Cancers of the
Prostate Gland and Age-Adjusted Mortality Rates by Year,
Male Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	963	34.5 ±1.8	33.9
1986	1,001	36.2 ±1.8	34.9
1987	1,079	38.1 ±1.8	35.1
1988	1,056	36.9 ±1.8	35.9
1989	1,127	38.3 ±1.8	37.1
1990	1,142	38.2 ±1.8	38.6
1991	1,234	41.1 ±1.8	39.3
1992	1,299	42.4 ±1.8	39.2
1993	1,315	42.7 ±1.8	39.3
1994	1,201	38.2 ±1.7	38.5
1995	1,237	38.6 ±1.6	37.3
1996	1,195	36.7 ±1.6	36.0
1997	1,243	37.5 ±1.6	34.2
1998	1,131	33.3 ±1.5	32.6
1999	1,138	33.0 ±1.5	31.6
2000	1,105	31.3 ±1.4	30.4
2001	1,107	30.6 ±1.3	29.4
2002	1,015	27.2 ±1.3	28.6
2003	985	25.2 ±1.2	27.0
2004	967	23.6 ±1.2	26.0
2005	925	23.1 ±1.1	25.2
2006	899	21.6 ±1.1	24.1
2007	946	22.4 ±1.1	24.0
2008	922	21.3 ±1.1	22.8
2009	862	19.5 ±1.0	22.0
2010	981	22.0 ±1.1	- - -

- - - Not available

D.6.

Numbers of Deaths Due to Invasive Cancers of the
Prostate Gland and Age-Adjusted Mortality Rates by Year,
White Male Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	783	31.6 ±1.8	31.3
1986	830	33.9 ±1.8	32.5
1987	889	35.4 ±1.8	32.6
1988	872	34.5 ±1.9	33.4
1989	930	35.9 ±1.8	34.5
1990	926	35.1 ±1.8	35.7
1991	1,016	37.8 ±1.8	36.5
1992	1,060	38.8 ±1.8	36.3
1993	1,066	39.0 ±1.7	36.3
1994	972	35.0 ±1.7	35.6
1995	1,016	35.6 ±1.6	34.4
1996	977	33.5 ±1.6	33.0
1997	1,001	33.8 ±1.5	31.4
1998	901	29.6 ±1.4	29.9
1999	914	29.5 ±1.4	28.9
2000	902	28.9 ±1.4	27.8
2001	896	28.0 ±1.3	26.9
2002	837	25.7 ±1.3	26.2
2003	809	23.9 ±1.2	24.8
2004	779	22.5 ±1.2	23.9
2005	749	21.5 ±1.1	23.2
2006	718	20.0 ±1.1	22.2
2007	750	20.3 ±1.1	22.0
2008	742	19.5 ±1.1	21.2
2009	695	17.7 ±1.0	20.2
2010	785	19.6 ±1.1	- - -

- - - Not available

D.7.

Numbers of Deaths Due to Invasive Cancers of the Prostate Gland and Age-Adjusted Mortality Rates by Year, Black Male Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	178	62.4 $\pm$ 7.8	67.3
1986	167	58.3 $\pm$ 7.8	67.4
1987	187	63.1 $\pm$ 7.6	68.9
1988	181	60.3 $\pm$ 7.6	69.6
1989	192	61.5 $\pm$ 7.9	71.7
1990	211	66.3 $\pm$ 7.8	78.0
1991	212	69.3 $\pm$ 7.9	78.2
1992	231	73.7 $\pm$ 7.9	79.8
1993	244	75.8 $\pm$ 7.8	81.9
1994	222	67.2 $\pm$ 7.5	80.0
1995	219	67.7 $\pm$ 7.2	78.2
1996	214	66.7 $\pm$ 7.0	78.8
1997	232	70.6 $\pm$ 7.2	74.3
1998	228	68.9 $\pm$ 7.1	72.8
1999	217	64.5 $\pm$ 6.7	70.1
2000	197	57.1 $\pm$ 6.6	68.9
2001	206	61.9 $\pm$ 6.1	67.9
2002	170	49.6 $\pm$ 5.8	65.0
2003	169	47.9 $\pm$ 5.6	60.5
2004	175	51.8 $\pm$ 5.3	59.2
2005	167	46.6 $\pm$ 5.4	57.3
2006	169	45.9 $\pm$ 5.1	54.0
2007	175	46.9 $\pm$ 5.4	55.3
2008	170	45.2 $\pm$ 5.1	49.5
2009	138	34.6 $\pm$ 4.5	50.0
2010	184	44.7 $\pm$ 4.9	- - -

- - - Not available

D.8.

Age-Adjusted Mortality Rates Due to Invasive Cancers of the Prostate Gland by Race, Male Michigan Residents, 1985-2010

Year of Death	All Races	White	Black
1970	32.5	30.9	53.3
1971	31.5	30.1	46.8
1972	31.8	30.1	51.9
1973	31.2	29.0	57.6
1974	30.4	28.4	52.3
1975	32.6	30.3	59.2
1976	34.2	31.6	62.7
1977	32.9	30.5	59.3
1978	34.6	31.8	65.2
1979	32.9	30.6	54.6
1980	35.3	32.6	63.5
1981	33.4	30.6	63.3
1982	34.9	33.2	53.1
1983	34.4	31.6	60.4
1984	34.0	30.9	65.7
1985	34.5	31.6	62.4
1986	36.2	33.9	58.3
1987	38.1	35.4	63.1
1988	36.9	34.5	60.3
1989	38.3	35.9	61.5
1990	38.2	35.1	66.3
1991	41.1	37.8	69.3
1992	42.4	38.8	73.7
1993	42.7	39.0	75.8
1994	38.2	35.0	67.2
1995	38.6	35.6	67.7
1996	36.7	33.5	66.7
1997	37.5	33.8	70.6
1998	33.3	29.6	68.9
1999	33.0	29.5	64.5
2000	31.3	28.9	57.1
2001	30.6	28.0	61.9
2002	27.2	25.7	49.6
2003	25.2	23.9	47.9
2004	23.6	22.5	51.8
2005	23.1	21.5	46.6
2006	21.6	20.0	45.9
2007	22.4	20.3	46.9
2008	21.3	19.5	45.2
2009	19.5	17.7	34.6
2010	22.0	19.6	44.7

D.9.

Numbers and Percents of Cancers of the Prostate Gland
by Stage and Year of Diagnosis,
Male Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	3,611	25	0.7	2,075	57.5	301	8.3	565	15.6	645	17.9
1986	3,846	28	0.7	2,157	56.1	353	9.2	599	15.6	709	18.4
1987	4,474	41	0.9	2,503	55.9	437	9.8	595	13.3	898	20.1
1988	4,678	32	0.7	2,540	54.3	657	14.0	594	12.7	855	18.3
1989	5,161	33	0.6	2,643	51.2	639	12.4	629	12.2	1,217	23.6
1990	6,380	23	0.4	3,488	54.7	803	12.6	639	10.0	1,427	22.4
1991	8,461	69	0.8	4,959	58.6	1,067	12.6	653	7.7	1,713	20.2
1992	9,974	75	0.8	6,152	61.7	1,264	12.7	599	6.0	1,884	18.9
1993	9,215	35	0.4	5,548	60.2	1,224	13.3	481	5.2	1,927	20.9
1994	7,859	47	0.6	4,892	62.2	843	10.7	352	4.5	1,725	21.9
1995	7,220	23	0.3	4,780	66.2	831	11.5	347	4.8	1,239	17.2
1996	7,256	23	0.3	5,128	70.7	715	9.9	321	4.4	1,069	14.7
1997	7,734	22	0.3	5,336	69.0	781	10.1	303	3.9	1,292	16.7
1998	7,912	18	0.2	5,564	70.3	724	9.2	295	3.7	1,311	16.6
1999	8,819	41	0.5	6,444	73.1	780	8.8	228	2.6	1,326	15.0
2000	8,848	34	0.4	6,745	76.2	736	8.3	273	3.1	1,060	12.0
2001	8,939	14	0.2	6,766	75.7	735	8.2	220	2.5	1,204	13.5
2002	9,175	9	0.1	7,222	78.7	816	8.9	221	2.4	907	9.9
2003	8,373	5	0.1	6,494	77.6	745	8.9	205	2.4	924	11.0
2004	8,156	6	0.1	6,350	77.9	811	9.9	203	2.5	786	9.6
2005	7,713	3	0.0	6,088	78.9	748	9.7	226	2.9	648	8.4
2006	8,351	2	0.0	6,652	79.7	819	9.8	253	3.0	625	7.5
2007	8,968	2	0.0	7,374	82.2	847	9.4	225	2.5	520	5.8
2008	8,201	4	0.0	6,622	80.7	825	10.1	242	3.0	508	6.2
2009	8,104	2	0.0	6,608	81.5	848	10.5	240	3.0	406	5.0

D.10.

Numbers and Percents of Cancers of the Prostate Gland
by Stage and Year of Diagnosis,
White Male Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	3,043	25	0.8	1,767	58.1	251	8.2	434	14.3	566	18.6
1986	3,257	26	0.8	1,835	56.3	300	9.2	466	14.3	630	19.3
1987	3,796	37	1.0	2,125	56.0	374	9.9	456	12.0	804	21.2
1988	4,001	31	0.8	2,188	54.7	596	14.9	468	11.7	718	17.9
1989	4,362	31	0.7	2,245	51.5	574	13.2	477	10.9	1,035	23.7
1990	5,433	21	0.4	3,049	56.1	705	13.0	475	8.7	1,183	21.8
1991	7,230	62	0.9	4,310	59.6	929	12.8	496	6.9	1,433	19.8
1992	8,485	71	0.8	5,314	62.6	1,090	12.8	462	5.4	1,548	18.2
1993	7,609	31	0.4	4,651	61.1	1,023	13.4	366	4.8	1,538	20.2
1994	6,334	44	0.7	3,994	63.1	716	11.3	255	4.0	1,325	20.9
1995	5,895	22	0.4	3,882	65.9	693	11.8	262	4.4	1,036	17.6
1996	5,910	21	0.4	4,205	71.2	573	9.7	236	4.0	875	14.8
1997	6,340	19	0.3	4,406	69.5	628	9.9	217	3.4	1,070	16.9
1998	6,498	16	0.2	4,587	70.6	575	8.8	217	3.3	1,103	17.0
1999	7,275	31	0.4	5,350	73.5	640	8.8	172	2.4	1,082	14.9
2000	7,268	31	0.4	5,522	76.0	599	8.2	207	2.8	909	12.5
2001	7,427	11	0.1	5,602	75.4	620	8.3	152	2.0	1,042	14.0
2002	7,422	7	0.1	5,870	79.1	684	9.2	151	2.0	710	9.6
2003	6,718	5	0.1	5,251	78.2	569	8.5	141	2.1	752	11.2
2004	6,449	6	0.1	5,084	78.8	624	9.7	140	2.2	595	9.2
2005	6,086	3	0.0	4,840	79.5	568	9.3	166	2.7	509	8.4
2006	6,510	2	0.0	5,177	79.5	636	9.8	180	2.8	515	7.9
2007	6,959	2	0.0	5,692	81.8	665	9.6	163	2.3	437	6.3
2008	6,435	4	0.1	5,150	80.0	693	10.8	171	2.7	417	6.5
2009	6,243	2	0.0	5,065	81.1	699	11.2	179	2.9	298	4.8

D.11.

Numbers and Percents of Cancers of the Prostate Gland
by Stage and Year of Diagnosis,
Black Male Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	542	0	0.0	293	54.1	49	9.0	126	23.2	74	13.7
1986	555	2	0.4	301	54.2	49	8.8	129	23.2	74	13.3
1987	638	4	0.6	355	55.6	57	8.9	135	21.2	87	13.6
1988	617	1	0.2	329	53.3	56	9.1	124	20.1	107	17.3
1989	732	0	0.0	379	51.8	60	8.2	147	20.1	146	19.9
1990	865	2	0.2	414	47.9	96	11.1	159	18.4	194	22.4
1991	1,108	4	0.4	601	54.2	130	11.7	151	13.6	222	20.0
1992	1,344	3	0.2	768	57.1	164	12.2	137	10.2	272	20.2
1993	1,423	3	0.2	802	56.4	191	13.4	110	7.7	317	22.3
1994	1,336	1	0.1	826	61.8	114	8.5	95	7.1	300	22.5
1995	1,209	0	0.0	839	69.4	126	10.4	83	6.9	161	13.3
1996	1,223	1	0.1	866	70.8	132	10.8	81	6.6	143	11.7
1997	1,284	2	0.2	876	68.2	145	11.3	83	6.5	178	13.9
1998	1,302	1	0.1	930	71.4	142	10.9	75	5.8	154	11.8
1999	1,357	2	0.1	989	72.9	132	9.7	55	4.1	179	13.2
2000	1,382	0	0.0	1,084	78.4	131	9.5	62	4.5	105	7.6
2001	1,297	0	0.0	1,016	78.3	108	8.3	65	5.0	108	8.3
2002	1,413	2	0.1	1,132	80.1	122	8.6	65	4.6	92	6.5
2003	1,329	0	0.0	1,021	76.8	160	12.0	62	4.7	86	6.5
2004	1,212	0	0.0	914	75.4	141	11.6	59	4.9	98	8.1
2005	1,132	0	0.0	902	79.7	122	10.8	54	4.8	54	4.8
2006	1,217	0	0.0	970	79.7	127	10.4	73	6.0	47	3.9
2007	1,268	0	0.0	1,038	81.9	132	10.4	60	4.7	38	3.0
2008	1,163	0	0.0	945	81.3	113	9.7	64	5.5	41	3.5
2009	1,237	0	0.0	1,032	83.4	117	9.5	53	4.3	35	2.8

D.12.

Numbers and Percents of Invasive Cancers of the Prostate Gland
by Race and First Course of Treatment,
Male Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	3,191	39.4	2,650	42.5	392	31.7
Radiation	1,275	15.7	989	15.8	234	18.9
Chemotherapy	13	0.2	7	0.1	4	0.3
Hormone Therapy	294	3.6	210	3.4	64	5.2
Surgery & Radiation	85	1.0	75	1.2	8	0.6
Surgery & Chemotherapy	4	0.0	3	0.0	0	0.0
Surgery & Hormone Therapy	137	1.7	111	1.8	16	1.3
Radiation & Chemotherapy	8	0.1	7	0.1	1	0.1
Radiation & Hormone Therapy	582	7.2	474	7.6	89	7.2
Radiation & Immunotherapy	1	0.0	1	0.0	0	0.0
Chemotherapy & Hormone Therapy	11	0.1	7	0.1	3	0.2
Surgery, Radiation & Chemotherapy	2	0.0	2	0.0	0	0.0
Surgery, Radiation & Hormone Therapy	50	0.6	45	0.7	4	0.3
Surgery, Chemotherapy & Hormone Therapy	3	0.0	3	0.0	0	0.0
Radiation, Chemotherapy & Hormone Therapy	4	0.0	3	0.0	1	0.1
Unknown	481	5.9	334	5.4	60	4.9
None	1,961	24.2	1,320	21.2	361	29.2
Total	8,102	100.0	6,241	100.0	1,237	100.0

D.13.

1-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	97.8	0.3	99.2	0.2	100.0	0.3	100.0	0.1	74.3	2.7	79.1	1.3	91.2	1.1	96.5	0.8
1996	98.2	0.3	99.3	0.2	100.0	0.2	100.0	0.1	69.3	3.0	79.0	1.3	91.4	1.2	94.4	0.9
1997	98.8	0.3	99.6	0.1	100.0	0.2	100.0	0.1	72.8	2.9	77.9	1.4	94.9	1.0	93.4	1.0
1998	98.7	0.3	99.6	0.1	100.0	0.2	100.0	0.1	71.1	3.0	74.4	1.4	94.0	1.0	93.7	1.0
1999	99.6	0.2	99.9	0.1	100.0	0.2	100.0	0.1	65.9	3.6	79.3	1.4	96.9	0.9	91.7	1.1
2000	99.7	0.2	99.8	0.1	100.0	0.2	100.0	0.1	73.2	3.1	77.6	1.0	95.0	1.1	94.1	0.6
2001	99.8	0.2	99.9	0.1	100.0	0.2	100.0	0.1	73.8	3.5	75.8	1.0	95.5	0.9	92.0	0.8
2002	100.0	0.2	100.0	0.1	100.0	0.2	100.0	0.1	71.5	3.5	74.2	1.1	96.7	1.0	91.0	0.9
2003	99.3	0.2	99.7	0.1	100.0	0.2	100.0	0.1	69.7	3.7	74.1	1.1	87.7	1.4	90.9	0.9
2004	99.4	0.2	99.8	0.1	100.0	0.2	100.0	0.1	73.0	3.6	75.7	1.0	89.9	1.4	89.2	1.0
2005	99.6	0.2	99.7	0.1	100.0	0.2	100.0	0.1	68.3	3.5	74.5	1.0	90.1	1.6	87.6	1.1
2006	100.0	0.2	99.8	0.1	100.0	0.2	100.0	0.1	76.0	3.1	75.2	1.0	98.1	1.1	87.2	1.1
2007	99.5	0.2	99.9	0.1	100.0	0.2	100.0	0.1	72.9	3.5	76.3	1.0	86.5	1.9	90.9	0.9
2008	99.6	0.2	99.7	0.1	100.0	0.2	100.0	0.1	70.9	3.4	75.4	1.0	92.2	1.6	91.9	0.8
2009	99.9	0.3	99.5	0.1	100.0	0.2	100.0	0.1	81.4	4.1	75.2	1.4	88.3	3.0	89.0	1.1

D.14.

3-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	96.3	0.5	97.3	0.3	100.0	0.3	100.0	0.1	46.0	3.2	44.9	1.6	86.7	1.6	89.5	1.4
1996	96.4	0.5	97.5	0.3	100.0	0.2	100.0	0.1	34.5	3.2	43.7	1.6	86.1	1.8	88.5	1.4
1997	98.2	0.5	99.1	0.3	100.0	0.2	100.0	0.1	44.8	3.4	50.4	1.7	92.0	1.5	89.2	1.5
1998	97.6	0.5	99.1	0.3	100.0	0.2	100.0	0.1	35.7	3.3	44.6	1.7	90.6	1.5	89.4	1.5
1999	99.4	0.3	99.7	0.2	100.0	0.2	100.0	0.1	34.7	3.7	49.6	1.7	94.2	1.4	85.0	1.6
2000	99.6	0.4	99.2	0.2	100.0	0.2	100.0	0.1	46.6	3.7	44.4	1.3	93.4	1.6	87.8	1.0
2001	99.8	0.3	99.7	0.2	100.0	0.2	100.0	0.1	40.3	4.0	45.9	1.3	95.5	0.9	85.1	1.3
2002	100.0	0.2	99.7	0.2	100.0	0.2	100.0	0.1	43.7	4.0	43.4	1.2	96.0	1.6	82.9	1.3
2003	99.3	0.3	99.2	0.2	100.0	0.2	100.0	0.1	37.5	4.0	43.1	1.3	84.1	1.9	83.9	1.4
2004	98.9	0.4	99.5	0.2	100.0	0.2	100.0	0.1	47.1	4.3	43.5	1.2	87.6	1.9	79.5	1.5
2005	99.5	0.4	99.1	0.2	100.0	0.2	100.0	0.1	38.0	3.8	40.4	1.2	86.5	2.1	78.1	1.6
2006	99.3	0.4	99.6	0.1	100.0	0.2	100.0	0.1	43.9	3.7	42.3	1.2	94.8	1.8	73.9	1.6
2007	99.3	0.4	99.6	0.2	100.0	0.2	100.0	0.1	43.8	4.5	42.0	1.4	86.3	2.2	82.3	1.5

D.15.

5-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	94.6	0.7	96.5	0.4	100.0	0.3	100.0	0.1	33.8	3.3	34.1	1.6	81.9	2.0	84.7	1.7
1996	94.8	0.7	96.7	0.4	100.0	0.6	100.0	0.1	26.6	3.2	30.6	1.6	82.5	2.2	83.5	1.8
1997	97.5	0.6	98.5	0.3	100.0	0.2	100.0	0.1	31.2	3.4	36.8	1.7	88.4	1.9	85.6	1.9
1998	97.5	0.6	98.6	0.3	100.0	0.2	100.0	0.1	26.4	3.2	32.6	1.7	89.1	1.8	84.2	1.9
1999	99.4	0.3	99.6	0.3	100.0	0.2	100.0	0.1	23.9	3.5	35.6	1.7	94.1	1.8	80.5	2.0
2000	99.5	0.5	98.9	0.2	100.0	0.2	100.0	0.1	34.1	3.7	29.8	1.2	91.3	2.0	82.8	1.2
2001	99.8	0.3	99.6	0.2	100.0	0.2	100.0	0.1	26.0	3.8	32.0	1.2	95.5	0.9	78.3	1.5
2002	100.0	0.2	99.7	0.2	100.0	0.2	100.0	0.1	27.3	3.7	29.6	1.2	95.1	1.8	77.0	1.5
2003	99.1	0.5	99.0	0.2	100.0	0.2	100.0	0.1	25.5	3.8	28.0	1.2	82.9	2.1	78.0	1.7
2004	98.9	0.4	99.3	0.2	100.0	0.2	100.0	0.1	38.1	4.4	29.8	1.2	85.7	2.3	71.3	1.8
2005	98.2	0.6	98.6	0.2	100.0	0.2	100.0	0.1	31.8	4.0	25.6	1.2	81.9	2.9	68.9	2.1

D.16.

10-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Male Michigan Residents, 1995-2000

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	92.3	1.0	94.7	0.6	99.7	1.1	100.0	0.1	19.9	3.3	20.7	1.7	75.5	2.9	76.5	2.5
1996	92.7	1.0	95.3	0.6	99.0	1.0	100.0	0.1	15.4	3.2	15.7	1.5	77.7	2.7	76.4	2.5
1997	96.9	0.9	97.9	0.5	100.0	0.2	100.0	0.1	24.1	3.7	20.7	1.7	84.5	2.5	73.3	2.7
1998	96.9	0.9	97.4	0.5	100.0	0.2	100.0	0.1	11.7	2.8	18.2	1.6	84.6	2.7	72.3	2.7
1999	99.4	0.3	99.2	0.5	100.0	0.2	100.0	0.1	14.8	3.2	17.1	1.6	93.4	2.0	70.0	2.8
2000	99.4	0.8	97.8	0.4	100.0	0.2	100.0	0.1	27.7	3.9	16.3	1.2	88.3	2.9	70.5	1.8

D.17.

1-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
White Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	98.0	0.3	99.3	0.2	100.0	0.3	100.0	0.1	74.1	3.1	78.9	1.5	91.8	1.2	96.1	0.9
1996	98.3	0.3	99.3	0.2	100.0	0.3	100.0	0.1	66.3	3.5	77.9	1.5	92.5	1.3	94.5	1.1
1997	99.2	0.3	99.7	0.2	100.0	0.2	100.0	0.1	73.1	3.5	76.9	1.6	95.4	1.0	93.0	1.1
1998	98.9	0.3	99.7	0.2	100.0	0.2	100.0	0.1	72.9	3.5	73.6	1.7	95.0	1.0	92.9	1.2
1999	99.6	0.3	99.9	0.1	100.0	0.2	100.0	0.1	66.9	4.1	78.3	1.6	97.1	0.9	90.7	1.3
2000	99.8	0.2	99.9	0.1	100.0	0.2	100.0	0.1	73.4	3.6	76.3	1.2	95.6	1.1	93.8	0.7
2001	99.9	0.2	100.0	0.1	100.0	0.2	100.0	0.1	73.0	4.3	74.5	1.2	96.2	1.0	92.7	0.9
2002	100.0	0.2	100.0	0.1	100.0	0.2	100.0	0.1	70.3	4.3	74.7	1.2	96.5	1.2	90.3	1.0
2003	99.2	0.3	99.8	0.1	100.0	0.2	100.0	0.1	74.2	4.3	74.2	1.3	95.6	1.7	90.3	1.1
2004	99.4	0.3	100.0	0.1	100.0	0.2	100.0	0.1	74.2	4.4	75.6	1.2	98.9	1.7	89.0	1.2
2005	99.5	0.3	99.8	0.1	100.0	0.2	100.0	0.1	67.2	4.1	73.7	1.2	98.6	1.9	86.7	1.4
2006	100.0	0.2	99.9	0.1	100.0	0.2	100.0	0.1	78.5	3.6	74.8	1.2	97.9	1.2	85.4	1.4
2007	99.5	0.2	100.0	0.1	100.0	0.2	100.0	0.1	73.3	4.1	75.9	1.2	85.4	2.2	87.2	1.3
2008	99.6	0.2	99.8	0.1	100.0	0.2	100.0	0.1	71.0	4.1	75.4	1.2	90.5	1.9	88.2	1.2
2009	99.6	0.3	99.4	0.1	100.0	0.3	100.0	0.1	81.1	4.7	73.7	1.7	84.6	3.8	84.6	1.7

D.18.

3-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
White Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	96.4	0.6	97.9	0.3	100.0	0.3	100.0	0.1	45.0	3.7	44.6	1.8	87.8	1.8	89.8	1.5
1996	96.8	0.5	97.6	0.3	100.0	0.3	100.0	0.1	34.9	3.7	43.8	1.9	86.6	1.9	88.4	1.7
1997	98.8	0.5	99.5	0.2	100.0	0.2	100.0	0.1	47.6	4.1	48.2	2.0	92.4	1.6	89.2	1.7
1998	97.9	0.5	99.4	0.3	100.0	0.2	100.0	0.1	40.7	4.0	43.8	2.0	91.5	1.6	87.5	1.8
1999	99.2	0.4	99.9	0.2	100.0	0.2	100.0	0.1	34.3	4.3	48.3	2.0	94.1	1.6	86.2	2.0
2000	99.7	0.4	99.6	0.2	100.0	0.2	100.0	0.1	44.6	4.1	43.5	1.5	94.2	1.7	87.8	1.1
2001	99.9	0.3	100.0	0.1	100.0	0.2	100.0	0.1	37.1	4.7	44.4	1.4	96.2	1.0	86.2	1.4
2002	100.0	0.2	100.0	0.2	100.0	0.2	100.0	0.1	42.1	4.8	43.0	1.4	94.8	1.8	82.2	1.5
2003	98.9	0.5	99.7	0.2	100.0	0.2	100.0	0.1	37.7	4.9	44.2	1.5	80.9	2.2	83.2	1.6
2004	98.8	0.4	99.7	0.1	100.0	0.2	100.0	0.1	46.1	5.2	43.1	1.4	86.1	2.2	80.0	1.7
2005	99.2	0.5	99.4	0.2	100.0	0.2	100.0	0.1	36.0	4.3	38.7	1.4	82.8	2.5	77.9	1.9
2006	99.3	0.4	99.7	0.2	100.0	0.2	100.0	0.1	44.9	4.4	41.5	1.4	93.7	2.1	70.1	1.9
2007	99.1	0.5	99.8	0.2	100.0	0.2	100.0	0.1	42.7	5.4	43.0	1.6	85.0	2.4	74.5	2.1

D.19.

5-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
White Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	94.4	0.7	97.2	0.4	100.0	0.7	100.0	0.1	33.5	3.8	33.2	1.9	81.2	2.2	84.2	2.0
1996	95.2	0.7	97.0	0.4	100.0	0.6	100.0	0.1	25.7	3.6	30.3	1.8	82.4	2.4	82.6	2.1
1997	98.3	0.7	99.1	0.4	100.0	0.2	100.0	0.1	32.4	4.0	34.2	2.0	88.7	2.0	85.1	2.1
1998	97.8	0.7	99.2	0.4	100.0	0.2	100.0	0.1	29.2	3.9	31.6	2.0	89.5	2.0	82.3	2.3
1999	99.2	0.4	99.9	0.2	100.0	0.2	100.0	0.1	25.3	4.1	35.6	2.0	93.2	2.0	80.6	2.5
2000	99.7	0.4	99.5	0.2	100.0	0.2	100.0	0.1	34.8	4.2	29.0	1.4	93.0	2.2	82.9	1.4
2001	99.8	0.5	100.0	0.1	100.0	0.2	100.0	0.1	20.9	4.2	31.1	1.4	95.2	1.6	80.0	1.8
2002	100.0	0.2	100.0	0.2	100.0	0.2	100.0	0.1	24.8	4.3	29.5	1.4	92.9	2.3	76.7	1.8
2003	98.6	0.5	99.6	0.2	100.0	0.2	100.0	0.1	22.8	4.4	27.8	1.4	78.3	2.6	77.8	2.0
2004	98.6	0.6	99.7	0.1	100.0	0.2	100.0	0.1	36.2	5.3	30.0	1.4	82.5	2.7	71.9	2.1
2005	97.7	0.7	99.2	0.3	100.0	0.2	100.0	0.1	26.9	4.4	24.4	1.4	76.9	3.3	67.8	2.5

D.20.

10-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
White Male Michigan Residents, 1995-2000

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	92.1	1.1	96.2	0.6	99.3	1.2	100.0	0.1	19.2	3.9	19.5	1.9	75.1	3.2	76.6	2.9
1996	93.3	1.1	96.2	0.6	99.7	1.1	100.0	0.1	16.6	3.8	15.3	1.7	75.9	3.4	78.1	2.6
1997	97.1	1.0	99.0	0.4	100.0	0.2	100.0	0.1	24.0	4.3	18.9	1.9	83.1	2.8	71.5	3.1
1998	97.5	1.0	98.8	0.5	100.0	0.2	100.0	0.1	12.9	3.3	17.7	1.9	84.7	3.0	71.9	3.3
1999	99.2	0.4	99.9	0.2	100.0	0.2	100.0	0.1	17.6	4.2	17.5	1.9	91.6	2.6	70.9	3.5
2000	99.6	0.9	99.0	0.4	100.0	0.2	100.0	0.1	29.3	4.6	16.0	1.5	87.0	3.5	70.5	2.1

D.21.

1-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Black Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	96.7	0.8	98.1	0.5	100.0	0.7	100.0	0.4	74.3	5.5	74.8	3.1	84.8	3.7	96.2	2.0
1996	97.4	0.8	99.2	0.5	100.0	0.6	100.0	0.4	78.6	5.6	79.8	3.3	81.6	4.0	95.9	2.1
1997	96.8	0.8	98.9	0.5	99.8	0.7	100.0	0.4	72.2	5.6	76.5	3.2	89.6	3.4	92.0	2.7
1998	97.9	0.8	98.6	0.4	100.0	0.6	100.0	0.3	67.7	6.2	73.0	3.6	85.5	3.7	90.1	2.8
1999	99.4	0.7	99.3	0.4	100.0	0.5	100.0	0.3	64.1	7.2	78.1	3.5	93.1	3.0	91.9	2.5
2000	98.3	0.7	99.1	0.3	100.0	0.6	100.0	0.2	70.3	6.9	80.1	2.2	85.9	4.5	94.4	1.6
2001	98.9	0.7	99.1	0.3	100.0	0.5	100.0	0.2	75.7	6.3	78.1	2.3	83.9	4.3	89.9	2.2
2002	98.2	0.7	98.9	0.3	100.0	0.6	100.0	0.2	73.2	6.3	69.7	2.4	88.2	4.5	91.7	2.1
2003	99.1	0.6	98.8	0.3	100.0	0.4	100.0	0.2	59.6	7.1	72.7	2.4	86.8	4.8	89.9	2.5
2004	97.9	0.7	98.7	0.3	100.0	0.5	100.0	0.2	68.8	6.7	75.4	2.4	79.6	5.1	83.8	3.0
2005	98.5	0.7	98.9	0.3	100.0	0.6	100.0	0.2	71.7	7.2	74.6	2.5	78.9	7.4	85.7	3.1
2006	97.2	0.7	99.1	0.2	99.1	0.6	100.0	0.2	69.7	6.1	74.5	2.4	91.6	5.8	86.2	3.3
2007	97.5	0.7	99.2	0.2	99.3	0.6	100.0	0.2	70.8	6.7	78.4	2.4	78.0	8.6	85.8	3.2
2008	97.9	0.7	99.2	0.2	99.8	0.6	100.0	0.2	70.8	6.3	73.7	2.4	92.4	5.6	84.8	3.0
2009	100.0	0.8	99.1	0.3	100.0	0.7	100.0	0.2	87.0	8.1	76.3	3.1	89.1	10.1	85.1	3.5

D.22.

3-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Black Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	95.0	1.3	94.0	0.9	100.0	0.7	100.0	0.4	47.1	6.5	40.3	3.6	73.5	5.1	83.4	3.5
1996	93.9	1.4	97.3	0.8	100.0	1.0	100.0	0.4	33.1	6.5	39.5	4.1	73.3	5.3	89.9	3.0
1997	94.4	1.3	95.4	0.8	99.8	0.7	100.0	0.8	39.6	6.3	44.0	3.9	83.3	4.8	84.4	4.2
1998	95.8	1.3	96.7	0.6	100.0	0.6	100.0	0.6	22.8	5.7	40.4	4.1	78.3	5.0	84.5	3.6
1999	99.1	1.1	98.2	0.7	100.0	0.5	100.0	0.3	36.5	7.6	47.0	4.3	85.6	4.7	76.2	4.0
2000	97.6	1.1	96.9	0.5	100.0	0.6	100.0	0.2	50.9	8.1	45.0	2.7	75.9	6.1	85.1	2.7
2001	98.0	1.1	97.4	0.5	100.0	0.5	100.0	0.2	47.8	7.6	45.7	2.9	83.9	4.3	81.2	3.2
2002	97.5	1.1	97.7	0.5	100.0	0.6	100.0	0.2	45.1	7.4	41.9	2.7	80.8	6.1	80.5	3.3
2003	99.0	0.9	97.0	0.5	100.0	0.4	100.0	0.2	36.3	7.3	38.7	2.7	81.3	6.4	81.8	3.6
2004	95.7	1.2	97.1	0.5	100.0	1.1	100.0	0.2	45.5	7.6	43.6	2.9	68.3	6.4	67.4	4.1
2005	96.8	1.2	97.2	0.5	100.0	0.6	100.0	0.2	39.2	8.0	42.3	2.9	68.7	8.7	73.7	4.2
2006	94.4	1.2	98.3	0.3	98.3	0.9	100.0	0.2	41.5	6.8	42.7	2.8	77.1	8.5	72.5	4.6
2007	95.2	1.3	97.7	0.5	98.0	1.2	100.0	0.2	46.6	8.4	36.4	3.2	+		71.7	4.9

+ Statistic could not be calculated.

D.23.

5-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Black Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	94.0	1.5	92.8	1.1	100.0	0.7	100.0	1.1	32.2	6.4	30.7	3.7	73.5	5.1	80.7	4.4
1996	91.4	1.7	95.7	1.1	99.2	1.7	100.0	0.4	28.3	6.5	29.3	4.1	66.6	6.2	86.0	4.5
1997	92.5	1.7	94.2	1.1	99.7	1.7	100.0	1.0	29.5	6.3	32.3	3.9	76.2	5.9	78.9	5.2
1998	94.8	1.7	96.0	1.0	100.0	0.6	100.0	0.6	18.4	5.4	31.7	4.1	75.4	6.0	80.0	5.0
1999	98.4	1.3	96.9	0.9	100.0	0.5	100.0	0.3	20.1	6.5	29.9	4.1	85.2	5.7	72.0	4.7
2000	96.2	1.4	95.7	0.6	100.0	0.6	100.0	0.2	32.3	7.8	30.7	2.7	58.1	7.0	79.6	3.3
2001	98.0	1.1	96.3	0.6	100.0	0.5	100.0	0.2	39.3	8.1	31.4	2.8	83.9	4.3	71.4	3.9
2002	96.6	1.4	97.1	0.6	100.0	0.6	100.0	0.2	30.9	7.3	27.3	2.6	72.2	6.8	73.5	3.9
2003	97.8	1.4	95.9	0.6	100.0	0.4	100.0	0.2	30.4	7.4	27.1	2.6	80.3	6.9	72.1	4.4
2004	94.5	1.5	95.7	0.6	100.0	1.5	100.0	0.2	39.6	7.7	27.9	2.7	60.3	7.2	54.7	4.5
2005	92.6	1.8	94.8	0.7	96.5	1.8	100.0	0.7	+		26.8	3.0	55.9	11.8	59.7	5.6

+ Statistic could not be calculated.

D.24.

10-Year Relative Survival Rates for
Cancers of the Prostate Gland by Year of Diagnosis,
Black Male Michigan Residents, 1995-2000

Year of Diagnosis	All Stages				Localized / Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	89.3	2.6	88.2	1.7	99.7	2.8	97.4	1.8	18.2	6.1	19.5	3.8	56.5	8.2	69.0	6.1
1996	85.2	2.6	92.9	1.5	94.5	2.7	100.0	1.3	8.6	4.8	11.1	3.2	53.2	7.8	65.8	6.3
1997	92.3	2.5	92.1	1.6	99.7	1.7	99.9	1.7	25.3	7.5	21.4	4.1	70.0	8.0	69.2	7.3
1998	90.7	2.5	92.9	1.5	100.0	2.7	100.0	1.6	7.8	4.4	22.2	4.4	54.2	7.5	64.1	7.0
1999	94.1	2.4	93.8	1.4	99.5	2.5	100.0	0.3	6.5	4.5	8.2	3.0	82.8	7.7	63.6	6.2
2000	91.5	2.5	92.3	1.0	97.2	2.6	99.7	1.1	+		15.1	2.6	+		66.0	4.8

+ Statistic could not be calculated.

Cancer Incidence, Mortality and Survival Tables

E. Invasive Cancers of the Colon and Rectum

E.1.

Numbers of Invasive Cancers of the Colon and Rectum
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	5,270	66.1 ±1.7	66.3	---
1986	5,137	64.0 ±1.6	64.2	---
1987	5,232	64.3 ±1.6	62.7	---
1988	5,135	62.6 ±1.6	61.4	---
1989	5,575	67.0 ±1.6	61.7	---
1990	5,458	64.8 ±1.6	60.7	---
1991	5,624	66.1 ±1.6	59.5	---
1992	5,550	63.6 ±1.5	58.0	---
1993	5,265	59.4 ±1.5	56.8	---
1994	5,240	58.4 ±1.5	55.6	---
1995	5,181	56.7 ±1.4	54.0	---
1996	5,380	58.0 ±1.4	54.8	---
1997	5,466	58.1 ±1.4	56.4	---
1998	5,794	60.8 ±1.5	56.8	---
1999	5,477	56.7 ±1.4	55.5	56.4
2000	5,448	55.7 ±1.4	54.1	55.9
2001	5,552	55.8 ±1.4	53.5	54.9
2002	5,649	55.8 ±1.4	53.0	53.4
2003	5,621	54.4 ±1.3	50.6	52.3
2004	5,312	50.1 ±1.3	49.6	50.8
2005	5,388	50.5 ±1.3	47.5	49.3
2006	5,348	49.3 ±1.3	46.5	47.7
2007	5,279	48.1 ±1.2	45.9	46.3
2008	4,919	44.5 ±1.2	44.7	44.4
2009	4,802	42.9 ±1.2	42.6	---

--- Not available

E.2.

Numbers of Invasive Cancers of the Colon and Rectum
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Male Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	2,625	78.9 ±2.8	79.2	---
1986	2,565	76.6 ±2.8	77.8	---
1987	2,661	79.5 ±2.8	77.5	---
1988	2,625	77.6 ±2.7	75.2	---
1989	2,854	82.7 ±2.8	75.0	---
1990	2,713	77.6 ±2.7	74.4	---
1991	2,859	81.7 ±2.7	72.9	---
1992	2,773	76.2 ±2.6	70.4	---
1993	2,682	72.1 ±2.5	68.4	---
1994	2,604	69.5 ±2.4	66.2	---
1995	2,631	69.3 ±2.4	63.8	---
1996	2,719	70.2 ±2.4	65.5	---
1997	2,761	70.5 ±2.4	68.1	---
1998	2,896	72.6 ±2.4	67.1	---
1999	2,721	66.7 ±2.3	65.7	67.4
2000	2,730	66.1 ±2.2	63.7	66.6
2001	2,728	64.6 ±2.2	62.9	65.0
2002	2,803	65.1 ±2.2	61.4	63.3
2003	2,830	64.4 ±2.2	59.3	61.9
2004	2,686	60.2 ±2.1	58.3	59.9
2005	2,661	58.3 ±2.0	55.0	57.8
2006	2,605	56.0 ±2.0	53.0	55.3
2007	2,640	55.5 ±2.0	52.9	53.9
2008	2,477	51.1 ±1.9	51.0	51.6
2009	2,380	47.7 ±1.8	48.2	---

--- Not available

E.3.

Numbers of Invasive Cancers of the Colon and Rectum
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	2,645	57.3 ±2.1	57.3	---
1986	2,572	55.2 ±2.0	54.7	---
1987	2,571	54.3 ±2.0	52.7	---
1988	2,510	52.3 ±1.9	51.8	---
1989	2,721	56.3 ±2.0	52.4	---
1990	2,745	55.8 ±1.9	51.3	---
1991	2,765	55.3 ±1.9	50.0	---
1992	2,777	54.4 ±1.9	49.2	---
1993	2,583	49.9 ±1.8	48.3	---
1994	2,636	50.4 ±1.8	47.7	---
1995	2,550	48.1 ±1.7	46.9	---
1996	2,661	49.2 ±1.7	46.7	---
1997	2,705	49.5 ±1.7	47.9	---
1998	2,897	52.6 ±1.8	49.3	---
1999	2,755	49.6 ±1.7	47.8	48.3
2000	2,718	48.3 ±1.7	46.7	47.9
2001	2,823	49.7 ±1.7	46.1	47.2
2002	2,845	49.7 ±1.7	46.6	46.0
2003	2,786	48.2 ±1.7	43.8	45.0
2004	2,623	44.9 ±1.6	42.9	43.7
2005	2,724	46.0 ±1.6	41.6	42.6
2006	2,743	46.2 ±1.7	41.3	41.7
2007	2,638	43.6 ±1.6	40.3	40.3
2008	2,438	39.9 ±1.5	39.5	38.7
2009	2,416	39.3 ±1.5	38.1	---

--- Not available

E.4.

Age-Adjusted Incidence Rates for
Invasive Cancers of the Colon and Rectum by Race,
Michigan Residents, 1985-2009

Year	All Races	White	Black
1985	66.1	65.5	66.6
1986	64.0	63.3	67.6
1987	64.3	63.1	70.5
1988	62.6	62.0	66.1
1989	67.0	66.6	68.6
1990	64.8	63.4	75.2
1991	66.1	65.3	71.2
1992	63.6	62.6	69.9
1993	59.4	57.9	67.2
1994	58.4	57.0	65.0
1995	56.7	55.6	64.6
1996	58.0	56.6	68.6
1997	58.1	56.9	66.9
1998	60.8	59.5	71.0
1999	56.7	55.6	64.9
2000	55.7	53.9	69.5
2001	55.8	54.2	67.8
2002	55.8	53.7	70.3
2003	54.4	51.9	69.4
2004	50.1	48.6	60.1
2005	50.5	49.0	59.4
2006	49.3	47.9	57.2
2007	48.1	46.2	57.9
2008	44.5	43.3	50.1
2009	42.9	40.5	52.3

E.5.

Age-Adjusted Incidence Rates for
Invasive Cancers of the Colon and Rectum by Sex and Race,
Michigan Residents, 1985-2009

Year	White Male	White Female	Black Male	Black Female
1985	78.9	56.4	74.8	60.5
1986	77.0	53.8	72.5	64.1
1987	77.8	53.5	87.4	59.4
1988	77.9	51.1	73.5	60.6
1989	82.7	55.8	81.8	59.2
1990	76.9	53.6	82.2	71.3
1991	81.1	54.3	85.7	60.9
1992	74.8	53.6	84.4	60.5
1993	70.9	48.1	77.7	59.9
1994	68.5	48.6	77.2	58.3
1995	68.5	46.5	74.6	60.0
1996	68.7	47.7	81.1	62.0
1997	69.0	48.3	81.8	59.5
1998	71.0	51.0	86.4	64.3
1999	65.5	48.0	77.7	60.0
2000	64.4	46.1	80.8	64.5
2001	62.9	48.0	77.7	63.8
2002	62.6	47.5	85.3	65.5
2003	60.3	46.4	96.4	58.5
2004	57.6	43.4	82.2	53.3
2005	56.6	44.0	68.9	59.1
2006	53.4	45.1	75.4	52.7
2007	53.0	41.8	71.5	55.0
2008	49.3	38.8	63.7	45.7
2009	44.9	37.0	62.9	49.3

E.6.

Numbers of Deaths Due to Invasive Cancers of the Colon and Rectum
and Age-Adjusted Mortality Rates by Year,
Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	2,102	27.0 ±1.0	26.9
1986	1,967	24.9 ±1.0	26.2
1987	1,913	23.9 ±1.0	25.9
1988	1,982	24.4 ±1.0	25.3
1989	2,079	25.4 ±1.0	25.0
1990	2,052	24.7 ±1.0	24.6
1991	2,129	25.4 ±1.0	24.0
1992	2,041	23.8 ±0.9	23.6
1993	2,027	23.2 ±0.9	23.3
1994	2,048	23.0 ±0.9	22.9
1995	2,047	22.6 ±0.9	22.6
1996	2,030	22.1 ±0.9	21.9
1997	2,024	21.6 ±0.8	21.5
1998	2,015	21.2 ±0.8	21.2
1999	2,049	21.3 ±0.8	20.9
2000	1,958	20.1 ±0.8	20.7
2001	1,899	19.2 ±0.8	20.1
2002	1,935	19.1 ±0.8	19.7
2003	1,916	18.5 ±0.7	19.1
2004	1,872	17.6 ±0.7	18.0
2005	1,929	18.1 ±0.7	17.5
2006	1,894	17.3 ±0.7	17.2
2007	1,812	16.5 ±0.7	16.8
2008	1,820	16.3 ±0.7	16.4
2009	1,833	16.3 ±0.7	15.7
2010	1,791	15.9 ±0.7	---

--- Not available

E.7.

Numbers of Deaths Due to Invasive Cancers of the Colon and Rectum
and Age-Adjusted Mortality Rates by Year,
Male Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	1,078	34.4 ±1.8	32.7
1986	1,006	31.4 ±1.7	32.0
1987	963	30.0 ±1.7	31.9
1988	1,001	30.5 ±1.7	31.1
1989	1,054	32.0 ±1.7	30.8
1990	1,031	30.7 ±1.7	30.8
1991	1,060	31.5 ±1.7	29.6
1992	1,057	30.4 ±1.6	29.3
1993	977	27.3 ±1.5	28.6
1994	1,046	29.0 ±1.6	28.3
1995	1,040	28.8 ±1.5	27.6
1996	1,002	27.0 ±1.4	26.7
1997	1,056	28.1 ±1.5	26.2
1998	1,011	26.3 ±1.4	25.6
1999	1,016	26.1 ±1.4	25.5
2000	979	25.1 ±1.3	25.1
2001	931	23.0 ±1.3	24.3
2002	985	23.8 ±1.3	24.0
2003	951	22.7 ±1.3	23.1
2004	940	22.0 ±1.2	21.8
2005	936	21.3 ±1.2	21.2
2006	910	20.3 ±1.1	20.7
2007	898	19.6 ±1.1	20.2
2008	901	19.3 ±1.1	19.7
2009	927	19.4 ±1.1	19.1
2010	899	18.6 ±1.1	---

--- Not available

E.8.

Numbers of Deaths Due to Invasive Cancers of the Colon and Rectum
and Age-Adjusted Mortality Rates by Year,
Female Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	1,024	22.2 ±1.2	23.1
1986	961	20.6 ±1.2	22.3
1987	950	20.0 ±1.2	22.0
1988	981	20.3 ±1.1	21.5
1989	1,024	21.0 ±1.2	21.2
1990	1,019	20.6 ±1.1	20.6
1991	1,069	21.3 ±1.1	20.3
1992	984	19.1 ±1.1	19.8
1993	1,050	20.0 ±1.1	19.8
1994	1,002	18.9 ±1.1	19.3
1995	1,007	18.6 ±1.0	19.1
1996	1,028	18.8 ±1.0	18.5
1997	968	17.5 ±1.0	18.1
1998	1,004	17.8 ±1.0	18.0
1999	1,033	18.1 ±1.0	17.8
2000	979	17.0 ±1.0	17.5
2001	986	16.7 ±1.0	17.1
2002	950	16.1 ±0.9	16.6
2003	965	16.1 ±0.9	16.1
2004	932	15.5 ±0.9	15.2
2005	993	16.2 ±0.9	14.7
2006	984	15.9 ±0.9	14.6
2007	914	14.7 ±0.9	14.2
2008	919	14.4 ±0.9	13.8
2009	906	14.0 ±0.8	13.1
2010	892	13.9 ±0.9	---

--- Not available

E.9.

Age-Adjusted Mortality Rates Due to
Invasive Cancers of the Colon and Rectum by Race,
Michigan Residents, 1985-2010

Year	All Races	White	Black
1970	30.4	30.1	33.2
1971	28.5	28.3	31.8
1972	28.6	28.5	29.9
1973	29.2	29.5	25.2
1974	29.6	29.9	27.2
1975	27.9	27.8	30.8
1976	28.9	28.8	29.4
1977	28.4	27.9	34.1
1978	28.0	27.7	32.6
1979	27.6	27.6	28.0
1980	27.5	27.4	28.5
1981	26.9	26.5	30.7
1982	27.3	26.8	33.0
1983	26.0	25.8	28.1
1984	26.2	26.0	28.4
1985	27.0	26.5	31.7
1986	24.9	24.2	31.2
1987	23.9	23.4	28.2
1988	24.4	24.0	28.8
1989	25.4	24.9	30.0
1990	24.7	24.0	29.8
1991	25.4	24.9	29.1
1992	23.8	23.2	28.1
1993	23.2	22.3	29.1
1994	23.0	22.2	30.6
1995	22.6	21.7	30.0
1996	22.1	21.1	30.3
1997	21.6	21.0	26.4
1998	21.2	20.5	27.9
1999	21.3	20.6	27.4
2000	20.1	19.0	29.8
2001	19.2	18.7	23.4
2002	19.1	18.2	26.9
2003	18.5	17.8	24.9
2004	17.6	17.0	22.6
2005	18.1	17.3	25.8
2006	17.3	16.5	22.4
2007	16.5	15.7	22.0
2008	16.3	15.5	21.7
2009	16.3	15.0	23.4
2010	15.9	15.5	18.5

E.10.

Age-Adjusted Mortality Rates Due to
Invasive Cancers of the Colon and Rectum by Sex and Race,
Michigan Residents, 1985-2010

Year	White Male	White Female	Black Male	Black Female
1970	34.3	26.8	39.0	29.0
1971	32.1	25.4	36.5	27.9
1972	32.9	25.3	31.1	29.6
1973	35.8	25.2	29.5	22.5
1974	35.8	26.0	34.4	22.4
1975	33.4	24.1	32.2	29.8
1976	33.9	25.4	32.2	26.6
1977	34.4	23.6	40.0	28.6
1978	33.7	23.6	45.1	24.9
1979	35.8	22.0	27.1	28.9
1980	31.5	24.4	31.0	26.4
1981	31.5	23.1	32.5	29.2
1982	32.4	22.8	38.7	29.4
1983	33.1	21.3	34.2	24.4
1984	32.0	21.9	38.4	22.0
1985	34.2	21.6	37.9	27.5
1986	30.7	19.9	39.3	25.9
1987	29.5	19.6	34.7	24.0
1988	30.2	19.9	34.2	24.7
1989	32.0	20.2	32.7	28.1
1990	30.5	19.7	32.7	28.1
1991	31.0	20.9	34.7	24.9
1992	29.8	18.6	36.4	23.2
1993	26.4	19.2	34.4	25.9
1994	28.3	17.9	34.7	27.7
1995	27.8	17.5	37.0	26.5
1996	26.3	17.6	33.3	29.1
1997	27.4	16.7	33.8	23.0
1998	25.5	16.9	34.3	25.7
1999	25.6	17.2	32.0	26.1
2000	23.9	15.9	35.7	26.5
2001	22.7	16.0	27.7	22.3
2002	22.6	15.2	36.6	22.8
2003	21.7	15.3	32.0	22.7
2004	20.9	14.9	32.6	19.7
2005	20.1	15.4	33.8	23.3
2006	18.9	15.3	32.3	19.2
2007	18.5	13.9	28.4	20.8
2008	18.1	13.6	30.1	18.5
2009	17.5	13.0	31.3	20.1
2010	18.3	13.4	21.3	16.9

E.11.

Numbers and Percents of Cancers of the Colon and Rectum
by Stage and Year of Diagnosis,
Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	5,600	330	5.9	1,768	31.6	1,734	31.0	927	16.6	841	15.0
1986	5,499	362	6.6	1,645	29.9	1,735	31.6	857	15.6	900	16.4
1987	5,611	379	6.8	1,685	30.0	1,631	29.1	875	15.6	1,041	18.6
1988	5,484	349	6.4	1,643	30.0	1,783	32.5	916	16.7	793	14.5
1989	5,955	380	6.4	1,718	28.8	1,948	32.7	901	15.1	1,008	16.9
1990	5,791	333	5.8	1,640	28.3	1,922	33.2	902	15.6	994	17.2
1991	5,947	323	5.4	1,855	31.2	1,980	33.3	875	14.7	914	15.4
1992	5,843	293	5.0	1,871	32.0	2,002	34.3	887	15.2	790	13.5
1993	5,586	321	5.7	1,802	32.3	1,904	34.1	867	15.5	692	12.4
1994	5,539	299	5.4	1,781	32.2	1,906	34.4	822	14.8	731	13.2
1995	5,454	273	5.0	1,677	30.7	1,931	35.4	827	15.2	746	13.7
1996	5,641	261	4.6	1,902	33.7	1,935	34.3	867	15.4	676	12.0
1997	5,727	261	4.6	1,875	32.7	2,013	35.1	979	17.1	599	10.5
1998	6,061	267	4.4	2,041	33.7	2,162	35.7	916	15.1	675	11.1
1999	5,758	281	4.9	2,045	35.5	2,000	34.7	843	14.6	589	10.2
2000	5,747	299	5.2	2,055	35.8	1,964	34.2	818	14.2	611	10.6
2001	5,798	246	4.2	2,165	37.3	1,920	33.1	835	14.4	632	10.9
2002	5,917	268	4.5	2,203	37.2	1,983	33.5	863	14.6	600	10.1
2003	5,891	270	4.6	2,144	36.4	1,919	32.6	868	14.7	690	11.7
2004	5,543	231	4.2	2,177	39.3	1,708	30.8	764	13.8	663	12.0
2005	5,585	197	3.5	2,133	38.2	1,779	31.9	960	17.2	516	9.2
2006	5,534	186	3.4	2,180	39.4	1,724	31.2	948	17.1	496	9.0
2007	5,456	177	3.2	2,185	40.0	1,663	30.5	941	17.2	490	9.0
2008	5,083	164	3.2	1,997	39.3	1,534	30.2	892	17.5	496	9.8
2009	4,951	149	3.0	1,990	40.2	1,564	31.6	886	17.9	362	7.3

E.12.

Numbers and Percents of Cancers of the Colon and Rectum
by Stage and Year of Diagnosis,
White Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	4,944	275	5.6	1,572	31.8	1,548	31.3	781	15.8	768	15.5
1986	4,840	303	6.3	1,474	30.5	1,541	31.8	722	14.9	800	16.5
1987	4,895	318	6.5	1,497	30.6	1,406	28.7	719	14.7	955	19.5
1988	4,827	303	6.3	1,463	30.3	1,579	32.7	775	16.1	707	14.6
1989	5,255	329	6.3	1,539	29.3	1,723	32.8	744	14.2	920	17.5
1990	5,022	284	5.7	1,444	28.8	1,677	33.4	736	14.7	881	17.5
1991	5,206	274	5.3	1,636	31.4	1,766	33.9	728	14.0	802	15.4
1992	5,103	258	5.1	1,650	32.3	1,747	34.2	745	14.6	703	13.8
1993	4,841	288	5.9	1,590	32.8	1,657	34.2	717	14.8	589	12.2
1994	4,794	258	5.4	1,587	33.1	1,627	33.9	695	14.5	627	13.1
1995	4,729	235	5.0	1,474	31.2	1,676	35.4	704	14.9	640	13.5
1996	4,859	216	4.4	1,668	34.3	1,687	34.7	713	14.7	575	11.8
1997	4,953	221	4.5	1,618	32.7	1,784	36.0	802	16.2	528	10.7
1998	5,225	225	4.3	1,778	34.0	1,889	36.2	745	14.3	588	11.3
1999	4,942	214	4.3	1,787	36.2	1,738	35.2	693	14.0	510	10.3
2000	4,901	253	5.2	1,789	36.5	1,694	34.6	656	13.4	509	10.4
2001	4,947	202	4.1	1,865	37.7	1,653	33.4	686	13.9	541	10.9
2002	4,992	222	4.4	1,853	37.1	1,705	34.2	714	14.3	498	10.0
2003	4,916	214	4.4	1,816	36.9	1,627	33.1	679	13.8	580	11.8
2004	4,682	183	3.9	1,840	39.3	1,471	31.4	641	13.7	547	11.7
2005	4,723	166	3.5	1,816	38.5	1,530	32.4	783	16.6	428	9.1
2006	4,667	140	3.0	1,873	40.1	1,477	31.6	760	16.3	417	8.9
2007	4,568	145	3.2	1,841	40.3	1,422	31.1	743	16.3	417	9.1
2008	4,296	133	3.1	1,701	39.6	1,317	30.7	735	17.1	410	9.5
2009	4,048	113	2.8	1,625	40.1	1,315	32.5	707	17.5	288	7.1

E.13.

Numbers and Percents of Cancers of the Colon and Rectum
by Stage and Year of Diagnosis,
Black Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	581	44	7.6	166	28.6	170	29.3	138	23.8	63	10.8
1986	607	50	8.2	151	24.9	183	30.1	131	21.6	92	15.2
1987	645	52	8.1	164	25.4	206	31.9	148	22.9	75	11.6
1988	606	40	6.6	170	28.1	191	31.5	137	22.6	68	11.2
1989	650	41	6.3	164	25.2	212	32.6	152	23.4	81	12.5
1990	719	46	6.4	180	25.0	233	32.4	161	22.4	99	13.8
1991	685	39	5.7	210	30.7	196	28.6	138	20.1	102	14.9
1992	680	31	4.6	203	29.9	235	34.6	135	19.9	76	11.2
1993	660	31	4.7	181	27.4	220	33.3	139	21.1	89	13.5
1994	660	35	5.3	157	23.8	259	39.2	119	18.0	90	13.6
1995	662	37	5.6	181	27.3	226	34.1	119	18.0	99	15.0
1996	713	40	5.6	211	29.6	232	32.5	146	20.5	84	11.8
1997	714	38	5.3	236	33.1	210	29.4	166	23.2	64	9.0
1998	769	41	5.3	247	32.1	251	32.6	154	20.0	76	9.9
1999	747	60	8.0	234	31.3	238	31.9	141	18.9	74	9.9
2000	773	40	5.2	242	31.3	252	32.6	150	19.4	89	11.5
2001	765	39	5.1	273	35.7	233	30.5	142	18.6	78	10.2
2002	817	40	4.9	304	37.2	251	30.7	138	16.9	84	10.3
2003	832	43	5.2	277	33.3	254	30.5	167	20.1	91	10.9
2004	748	40	5.3	276	36.9	212	28.3	116	15.5	104	13.9
2005	745	27	3.6	270	36.2	218	29.3	160	21.5	70	9.4
2006	740	34	4.6	265	35.8	210	28.4	172	23.2	59	8.0
2007	749	24	3.2	279	37.2	217	29.0	171	22.8	58	7.7
2008	641	23	3.6	236	36.8	180	28.1	139	21.7	63	9.8
2009	694	22	3.2	285	41.1	189	27.2	148	21.3	50	7.2

E.14.

Numbers and Percents of Invasive Cancers of the Colon and Rectum
by Race and First Course of Treatment,
Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	2,556	53.2	2,083	52.9	375	55.8
Radiation	29	0.6	24	0.6	3	0.4
Chemotherapy	168	3.5	131	3.3	30	4.5
Hormone Therapy	1	0.0	1	0.0	0	0.0
Surgery & Radiation	25	0.5	23	0.6	2	0.3
Surgery & Chemotherapy	790	16.5	671	17.1	84	12.5
Radiation & Chemotherapy	145	3.0	125	3.2	15	2.2
Chemotherapy & Hormone Therapy	1	0.0	1	0.0	0	0.0
Surgery, Radiation & Chemotherapy	369	7.7	331	8.4	26	3.9
Surgery, Chemotherapy & Hormone Therapy	3	0.1	3	0.1	0	0.0
Surgery, Chemotherapy & Immunotherapy	2	0.0	2	0.1	0	0.0
Surgery, Radiation, Chemotherapy & Hormone Therapy	4	0.1	4	0.1	0	0.0
Unknown	188	3.9	156	4.0	21	3.1
None	521	10.8	380	9.7	116	17.3
Total	4,802	100.0	3,935	100.0	672	100.0

E.15.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	78.1	0.7	80.4	0.4	92.0	0.9	95.7	0.4	87.9	0.9	89.5	0.5	40.5	1.9	41.2	1.0	64.9	2.2	57.2	2.0
1996	78.6	0.7	81.6	0.4	94.0	0.8	96.2	0.4	86.9	1.0	90.0	0.5	39.8	1.9	42.8	1.0	62.0	2.3	62.2	2.0
1997	78.7	0.7	81.4	0.4	94.1	0.8	96.1	0.4	87.9	0.9	90.1	0.5	39.6	1.8	43.7	1.0	64.6	2.5	60.4	1.8
1998	80.4	0.6	82.9	0.3	94.5	0.8	96.1	0.4	88.2	0.9	91.3	0.5	41.6	1.8	45.2	1.0	64.9	2.3	58.6	2.0
1999	80.6	0.7	83.1	0.3	94.5	0.8	95.8	0.4	86.8	0.9	90.3	0.5	41.8	1.9	47.2	1.0	68.4	2.5	59.7	2.1
2000	81.7	0.7	82.1	0.2	93.6	0.8	95.2	0.3	88.7	0.9	89.5	0.3	41.8	2.0	45.5	0.7	71.2	2.5	62.8	1.3
2001	82.1	0.6	82.4	0.2	95.7	0.7	95.3	0.3	87.3	1.0	89.4	0.3	43.3	1.9	46.7	0.7	71.2	2.3	61.8	1.3
2002	81.8	0.6	82.6	0.2	94.7	0.7	95.5	0.3	86.6	1.0	90.3	0.3	47.4	1.9	47.4	0.7	68.8	2.5	61.4	1.3
2003	80.5	0.7	82.4	0.2	95.0	0.7	95.2	0.3	87.5	1.0	89.7	0.3	52.9	1.9	48.6	0.7	49.0	2.4	59.2	1.4
2004	81.9	0.7	83.2	0.2	95.2	0.7	94.7	0.3	89.7	0.9	90.7	0.3	54.4	2.1	52.8	0.7	47.8	2.4	58.8	1.4
2005	82.5	0.6	83.8	0.2	95.6	0.7	95.5	0.3	89.2	1.0	90.7	0.3	48.8	1.8	53.6	0.7	70.7	2.7	58.1	1.5
2006	83.4	0.6	83.7	0.2	94.3	0.7	95.2	0.3	89.5	1.0	90.8	0.3	53.6	1.9	54.4	0.7	72.1	3.0	57.2	1.4
2007	82.3	0.7	83.9	0.2	95.4	0.7	95.1	0.3	88.3	1.0	91.1	0.3	53.1	1.9	53.9	0.7	59.8	3.0	58.7	1.4
2008	83.0	0.7	84.4	0.2	94.7	0.8	95.5	0.2	89.0	1.1	91.2	0.3	54.3	2.0	56.2	0.7	67.0	3.1	55.8	1.5
2009	76.7	1.1	78.7	0.4	91.9	1.2	92.7	0.4	85.3	1.6	87.9	0.5	49.4	2.5	51.6	0.8	47.2	4.6	45.7	1.8

E.16.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	63.5	0.9	66.1	0.5	87.5	1.3	91.6	0.6	71.4	1.4	72.9	0.8	13.8	1.4	13.7	0.7	47.2	2.5	40.0	2.1
1996	65.2	0.8	68.3	0.5	90.0	1.2	93.3	0.6	71.0	1.4	75.0	0.7	12.1	1.3	14.0	0.7	49.7	2.6	44.3	2.1
1997	64.2	0.8	67.8	0.5	88.8	1.3	93.1	0.6	71.1	1.3	75.3	0.7	14.6	1.3	15.1	0.7	49.1	2.8	39.7	1.9
1998	66.8	0.8	70.0	0.4	90.3	1.1	93.1	0.6	73.2	1.3	77.0	0.7	13.0	1.3	15.9	0.7	50.0	2.6	42.2	2.1
1999	68.0	0.8	70.7	0.5	90.1	1.1	93.7	0.6	73.4	1.3	76.8	0.7	12.7	1.3	16.3	0.8	55.4	2.9	42.4	2.2
2000	69.4	0.8	69.2	0.3	89.9	1.1	91.9	0.4	74.5	1.3	75.3	0.5	13.0	1.4	15.7	0.5	59.1	3.0	46.0	1.4
2001	70.2	0.8	69.8	0.3	93.1	1.0	92.4	0.4	73.6	1.4	75.7	0.5	13.7	1.4	17.1	0.5	57.2	2.7	43.6	1.4
2002	70.8	0.8	70.4	0.3	92.7	1.1	92.3	0.4	73.8	1.3	77.4	0.5	20.5	1.6	19.2	0.5	55.3	2.9	45.1	1.5
2003	68.1	0.8	70.1	0.3	93.8	1.0	92.6	0.4	73.1	1.4	76.5	0.5	19.8	1.6	19.0	0.5	37.1	2.5	43.6	1.5
2004	69.8	0.8	70.9	0.3	91.4	1.1	91.9	0.4	76.5	1.4	78.6	0.5	22.3	1.7	22.6	0.6	37.4	2.5	42.3	1.5
2005	70.3	0.8	71.7	0.3	93.6	1.0	92.9	0.4	74.2	1.4	79.6	0.5	19.4	1.5	22.1	0.6	60.7	3.1	40.4	1.6
2006	71.9	0.8	71.2	0.3	91.6	1.1	92.1	0.4	79.0	1.4	79.0	0.5	23.6	1.6	23.6	0.6	56.2	3.5	40.2	1.5
2007	70.9	0.9	70.9	0.3	93.7	1.1	92.0	0.4	76.9	1.6	79.5	0.6	22.7	1.8	22.8	0.6	50.8	3.5	37.3	1.7

E.17.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	57.0	1.0	60.0	0.5	84.1	1.6	88.3	0.8	62.3	1.5	63.7	0.9	8.0	1.1	8.3	0.6	40.2	2.6	32.8	2.1
1996	59.6	0.9	62.4	0.5	85.6	1.5	89.4	0.8	63.7	1.5	66.5	0.9	7.0	1.0	8.9	0.6	45.6	2.7	37.8	2.2
1997	58.1	0.9	61.9	0.5	84.2	1.6	89.7	0.8	63.7	1.5	67.0	0.8	8.8	1.1	8.9	0.6	43.0	2.9	33.6	1.9
1998	60.3	0.9	63.5	0.5	85.6	1.4	89.5	0.7	64.4	1.5	67.5	0.8	7.4	1.0	9.8	0.6	44.7	2.7	34.6	2.2
1999	63.3	0.9	64.9	0.5	88.0	1.4	91.5	0.7	66.8	1.5	68.4	0.8	7.5	1.1	9.1	0.6	50.2	3.1	34.3	2.2
2000	64.7	0.9	63.5	0.3	87.9	1.4	88.9	0.5	67.0	1.5	67.2	0.6	8.2	1.1	9.5	0.4	55.7	3.3	38.8	1.4
2001	64.4	0.9	64.0	0.3	90.7	1.3	89.4	0.5	63.8	1.6	67.4	0.6	8.9	1.2	10.4	0.4	51.0	2.9	37.4	1.5
2002	64.3	0.9	64.2	0.3	89.5	1.3	89.3	0.5	65.3	1.5	68.7	0.6	11.2	1.3	10.9	0.4	49.2	3.0	37.6	1.5
2003	61.7	0.9	64.2	0.3	90.4	1.3	89.9	0.5	63.9	1.5	68.2	0.6	11.1	1.3	11.4	0.4	33.3	2.5	38.1	1.5
2004	64.1	0.9	64.6	0.3	87.9	1.3	89.1	0.5	69.2	1.6	70.6	0.6	13.1	1.4	12.7	0.5	33.7	2.5	35.3	1.5
2005	62.7	1.0	64.6	0.4	90.2	1.4	89.8	0.5	65.1	1.8	70.4	0.6	8.1	1.2	12.1	0.5	51.6	3.5	30.3	1.7

E.18.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	80.1	1.0	81.5	0.5	94.1	1.2	96.4	0.5	89.8	1.3	90.2	0.7	41.2	2.6	42.5	1.4	70.0	3.1	63.5	2.8
1996	79.4	1.0	83.1	0.5	94.8	1.1	96.9	0.5	88.2	1.3	91.2	0.7	39.8	2.6	44.9	1.4	63.7	3.3	66.7	2.8
1997	79.8	0.9	82.5	0.5	94.1	1.2	96.0	0.5	89.5	1.3	91.6	0.7	43.9	2.5	45.4	1.3	65.0	3.7	66.0	2.5
1998	81.0	0.9	83.7	0.5	94.8	1.1	96.1	0.5	90.2	1.2	91.8	0.6	42.4	2.6	47.6	1.4	65.4	3.3	63.1	3.0
1999	81.6	0.9	84.2	0.5	94.7	1.1	96.1	0.5	88.3	1.3	90.7	0.7	43.0	2.7	49.7	1.4	69.7	3.7	65.8	3.0
2000	82.9	0.9	83.1	0.3	93.5	1.1	95.1	0.4	89.3	1.3	90.8	0.5	44.3	2.9	47.0	0.9	75.3	3.6	65.2	1.8
2001	82.7	0.9	83.5	0.3	96.5	0.9	95.5	0.4	88.9	1.3	90.5	0.5	40.6	2.7	48.7	0.9	75.5	3.1	66.7	1.9
2002	82.8	0.9	83.2	0.3	94.6	1.1	95.6	0.4	88.3	1.3	91.3	0.5	49.1	2.7	48.2	0.9	73.8	3.5	64.4	1.9
2003	80.3	0.9	83.1	0.3	95.0	1.0	95.3	0.4	88.5	1.4	90.4	0.5	50.7	2.6	49.9	0.9	49.5	3.5	63.4	2.0
2004	82.5	0.9	84.2	0.3	93.7	1.0	95.0	0.4	91.3	1.2	91.4	0.4	53.9	2.9	54.5	0.9	48.2	3.7	62.5	2.0
2005	83.4	0.9	84.4	0.3	95.5	1.0	95.8	0.3	88.8	1.4	91.1	0.5	50.0	2.7	54.7	0.9	73.2	3.8	60.7	2.2
2006	85.4	0.9	84.7	0.3	94.1	1.1	95.4	0.3	91.4	1.3	91.2	0.5	57.7	2.7	57.3	0.9	76.9	4.2	61.2	2.1
2007	82.1	0.9	84.7	0.3	96.4	0.9	95.2	0.3	87.9	1.5	91.4	0.5	51.9	2.6	55.3	0.9	61.8	4.4	63.4	2.1
2008	85.4	0.9	85.5	0.3	96.0	1.0	95.6	0.3	89.6	1.5	92.1	0.4	57.4	2.8	59.0	0.9	75.6	4.5	60.2	2.1
2009	77.9	1.5	80.3	0.5	93.5	1.6	93.2	0.5	87.7	2.2	89.6	0.7	49.1	3.5	53.5	1.2	44.6	6.6	47.1	2.7

E.19.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	65.4	1.2	66.8	0.7	90.5	1.8	93.1	0.9	73.4	1.9	72.4	1.1	12.8	1.8	13.4	1.0	51.2	3.6	46.1	3.1
1996	66.3	1.2	69.4	0.7	90.4	1.6	93.7	0.8	72.7	2.0	75.9	1.1	12.5	1.8	14.7	1.0	52.1	3.7	47.5	3.2
1997	64.2	1.2	68.6	0.6	87.9	1.8	93.5	0.8	70.8	1.9	76.2	1.0	17.0	1.9	15.0	1.0	52.3	4.2	44.5	2.8
1998	67.4	1.2	70.2	0.6	89.6	1.7	92.7	0.8	76.3	1.8	77.4	1.0	13.0	1.8	16.3	1.0	51.4	3.7	46.8	3.3
1999	68.3	1.2	70.9	0.6	89.8	1.7	93.3	0.8	74.3	1.9	77.2	1.0	12.6	1.9	15.8	1.0	56.8	4.2	48.4	3.3
2000	70.8	1.2	70.2	0.4	89.1	1.6	92.4	0.5	75.9	1.9	76.4	0.7	14.6	2.1	15.9	0.7	64.6	4.3	49.0	2.0
2001	70.7	1.2	71.0	0.4	94.3	1.4	93.0	0.5	75.0	2.0	76.9	0.7	12.3	1.9	17.6	0.7	58.3	3.8	49.8	2.1
2002	70.2	1.2	70.8	0.4	92.8	1.5	92.4	0.5	72.7	1.9	78.4	0.7	21.1	2.3	18.7	0.7	58.9	4.1	48.2	2.1
2003	67.5	1.2	70.7	0.4	92.8	1.5	92.7	0.5	73.4	1.9	77.6	0.7	18.7	2.1	19.2	0.7	38.7	3.6	48.4	2.2
2004	70.0	1.2	71.7	0.4	90.2	1.5	91.8	0.5	77.7	1.9	79.8	0.7	18.8	2.3	22.9	0.8	37.1	3.7	47.3	2.2
2005	72.6	1.2	72.1	0.4	93.2	1.4	93.0	0.5	75.6	2.0	80.5	0.7	23.3	2.3	22.4	0.8	63.8	4.4	41.6	2.4
2006	72.9	1.2	71.9	0.4	91.8	1.5	92.2	0.5	79.6	1.9	79.8	0.7	24.0	2.4	24.5	0.8	57.4	5.2	42.5	2.2
2007	71.2	1.3	72.0	0.5	95.0	1.2	91.9	0.6	78.2	2.3	80.6	0.8	20.1	2.4	23.9	0.9	+		43.0	2.5

+ Statistic could not be calculated.

E.20.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	57.6	1.4	60.1	0.8	84.1	2.3	89.7	1.1	63.3	2.2	61.7	1.2	7.8	1.5	7.9	0.8	43.5	3.9	39.7	3.2
1996	60.1	1.3	62.5	0.7	85.9	2.1	89.2	1.1	64.4	2.2	65.9	1.2	6.3	1.4	8.8	0.8	47.9	3.9	40.6	3.3
1997	57.0	1.3	62.4	0.7	84.0	2.2	90.1	1.1	61.2	2.2	67.3	1.2	9.2	1.5	8.7	0.8	44.4	4.4	39.6	2.9
1998	60.0	1.3	63.1	0.7	84.6	2.1	88.9	1.0	65.5	2.1	66.8	1.2	7.9	1.5	9.4	0.8	45.2	3.9	40.1	3.4
1999	62.8	1.3	65.2	0.7	86.8	2.1	91.0	1.0	66.3	2.1	68.6	1.2	7.3	1.5	9.0	0.9	51.6	4.6	38.8	3.4
2000	64.9	1.3	63.9	0.5	87.0	2.0	89.2	0.7	66.5	2.1	67.5	0.8	8.2	1.6	8.9	0.6	59.6	4.8	40.3	2.0
2001	64.6	1.3	64.6	0.5	90.6	1.8	89.6	0.7	64.8	2.2	68.0	0.8	9.2	1.7	10.2	0.6	52.0	4.1	41.7	2.2
2002	62.6	1.3	64.1	0.5	87.8	1.9	89.8	0.7	63.1	2.2	68.3	0.8	11.2	1.8	10.6	0.6	52.7	4.4	40.5	2.2
2003	61.3	1.3	64.5	0.5	89.7	1.9	90.0	0.7	64.8	2.2	68.3	0.8	9.3	1.6	11.1	0.6	35.1	3.7	44.3	2.3
2004	63.1	1.3	64.8	0.5	85.7	1.9	89.1	0.7	67.1	2.2	70.4	0.8	10.6	1.9	12.1	0.6	35.2	3.9	40.1	2.3
2005	63.3	1.4	64.7	0.5	88.9	2.0	90.0	0.7	65.3	2.6	70.6	0.9	7.5	1.7	11.6	0.7	52.7	5.1	30.8	2.5

E.21.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	76.2	1.0	79.2	0.5	89.8	1.4	95.0	0.6	86.0	1.4	88.8	0.7	39.8	2.7	39.8	1.4	60.1	3.1	51.3	2.7
1996	77.8	1.0	80.1	0.5	93.1	1.2	95.4	0.6	85.7	1.4	88.8	0.7	39.9	2.7	40.7	1.4	60.4	3.3	58.4	2.7
1997	77.6	1.0	80.2	0.5	94.0	1.2	96.2	0.5	86.5	1.3	88.7	0.7	34.6	2.5	41.8	1.4	64.2	3.3	55.0	2.6
1998	79.7	0.9	82.0	0.5	94.2	1.1	96.0	0.5	86.3	1.3	90.8	0.6	40.7	2.6	42.7	1.4	64.4	3.2	55.4	2.6
1999	79.8	0.9	82.1	0.5	94.3	1.1	95.5	0.5	85.4	1.4	90.0	0.7	40.7	2.7	44.5	1.4	67.3	3.5	54.6	2.8
2000	80.4	0.9	81.1	0.3	93.8	1.1	95.3	0.4	88.1	1.4	88.1	0.5	39.5	2.7	43.9	1.0	67.4	3.6	60.7	1.7
2001	81.5	0.9	81.2	0.3	94.8	1.0	95.2	0.4	85.8	1.4	88.4	0.5	46.1	2.8	44.5	1.0	66.7	3.5	57.5	1.8
2002	80.9	0.9	82.0	0.3	94.9	1.0	95.3	0.4	85.0	1.4	89.4	0.5	45.6	2.8	46.6	0.9	64.2	3.6	58.7	1.9
2003	80.7	0.9	81.7	0.3	95.1	1.0	95.2	0.4	86.6	1.4	89.0	0.5	55.5	2.9	47.2	0.9	48.5	3.4	55.7	1.9
2004	81.2	0.9	82.2	0.3	96.8	0.9	94.4	0.4	88.0	1.4	89.9	0.5	54.9	2.9	50.9	0.9	47.4	3.2	55.9	1.9
2005	81.7	0.9	83.2	0.3	95.7	1.0	95.3	0.4	89.5	1.3	90.3	0.5	47.8	2.5	52.4	1.0	68.4	3.8	56.1	2.0
2006	81.6	0.9	82.6	0.3	94.5	1.0	95.0	0.4	87.7	1.4	90.4	0.5	50.1	2.5	51.4	0.9	68.1	4.2	53.9	2.0
2007	82.4	0.9	83.0	0.3	94.5	1.0	94.9	0.4	88.7	1.4	90.7	0.5	54.5	2.7	52.4	1.0	58.1	4.1	54.4	2.0
2008	80.6	1.0	83.1	0.3	93.3	1.2	95.4	0.4	88.4	1.5	90.3	0.5	51.2	2.8	53.1	1.0	60.8	4.2	51.9	2.1
2009	75.5	1.5	77.1	0.5	90.3	1.9	92.1	0.6	83.1	2.3	86.1	0.8	49.6	3.5	49.6	1.2	49.3	6.3	44.5	2.5

E.22.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	61.6	1.2	65.4	0.7	84.3	1.9	90.1	0.9	69.4	1.9	73.5	1.0	14.8	2.0	14.0	1.0	43.5	3.4	34.2	2.8
1996	64.2	1.2	67.2	0.7	89.6	1.7	92.9	0.9	69.5	1.9	74.0	1.0	11.6	1.8	13.2	1.0	47.5	3.6	41.7	2.9
1997	64.3	1.2	67.0	0.7	89.8	1.7	92.6	0.8	71.4	1.8	74.2	1.0	11.9	1.7	15.3	1.0	46.5	3.7	35.0	2.6
1998	66.3	1.1	69.8	0.6	91.0	1.6	93.4	0.8	70.3	1.8	76.7	1.0	12.9	1.9	15.5	1.0	48.7	3.6	38.8	2.8
1999	67.7	1.2	70.5	0.6	90.4	1.6	94.2	0.8	72.6	1.8	76.5	1.0	12.9	1.9	16.9	1.1	54.3	3.9	37.2	3.0
2000	68.0	1.2	68.2	0.4	90.7	1.6	91.4	0.6	72.9	2.0	74.2	0.7	11.6	1.8	15.6	0.7	54.1	4.1	43.3	1.9
2001	69.8	1.2	68.5	0.4	92.0	1.5	91.7	0.6	72.4	1.9	74.5	0.7	15.2	2.1	16.6	0.7	56.1	3.9	38.1	1.9
2002	71.3	1.2	70.0	0.4	92.7	1.5	92.1	0.5	74.9	1.9	76.3	0.7	19.8	2.3	19.7	0.8	51.9	4.0	42.3	2.0
2003	68.8	1.2	69.4	0.4	95.0	1.5	92.5	0.5	72.8	1.9	75.4	0.7	21.1	2.4	18.8	0.8	35.6	3.4	39.7	2.0
2004	69.6	1.2	70.2	0.4	92.7	1.5	92.1	0.5	75.2	2.0	77.4	0.7	25.6	2.6	22.3	0.8	37.6	3.3	38.3	1.9
2005	68.1	1.2	71.2	0.4	93.9	1.3	92.8	0.5	72.9	2.0	78.7	0.7	16.1	1.9	21.8	0.8	57.7	4.3	39.5	2.1
2006	70.9	1.2	70.5	0.4	91.4	1.5	92.0	0.5	78.5	1.9	78.3	0.7	23.2	2.2	22.5	0.8	55.1	4.7	38.3	2.0
2007	70.7	1.3	69.9	0.5	92.0	1.6	92.1	0.6	75.7	2.3	78.3	0.8	25.7	2.7	21.6	0.9	45.8	4.9	32.1	2.3

E.23.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	56.3	1.3	59.8	0.7	83.8	2.1	86.9	1.1	61.3	2.1	65.8	1.2	8.3	1.6	8.7	0.8	37.1	3.5	26.2	2.7
1996	59.1	1.3	62.2	0.7	85.3	2.2	89.7	1.1	62.9	2.1	67.0	1.2	7.8	1.5	9.0	0.9	43.3	3.8	35.4	3.0
1997	59.3	1.3	61.3	0.7	84.5	2.2	89.3	1.1	66.0	2.1	66.8	1.2	8.3	1.5	9.0	0.8	41.9	3.9	27.8	2.5
1998	60.6	1.3	63.8	0.7	86.6	2.0	90.2	1.0	63.5	2.0	68.1	1.1	6.8	1.4	10.3	0.9	44.1	3.8	30.5	2.8
1999	63.8	1.3	64.7	0.7	89.1	2.0	92.0	1.0	67.3	2.1	68.2	1.2	7.8	1.5	9.1	0.9	48.9	4.2	30.3	3.0
2000	64.5	1.3	63.0	0.5	88.9	2.0	88.6	0.7	67.5	2.2	66.8	0.8	8.2	1.6	10.0	0.6	52.2	4.5	37.6	1.9
2001	64.2	1.3	63.3	0.5	90.8	1.9	89.2	0.7	62.9	2.1	66.9	0.8	8.6	1.6	10.5	0.6	49.9	4.2	33.8	2.0
2002	66.0	1.3	64.2	0.5	91.0	1.9	88.9	0.7	67.5	2.2	69.2	0.8	11.2	1.9	11.3	0.6	46.0	4.1	35.0	2.0
2003	62.1	1.3	63.9	0.5	91.1	1.9	89.8	0.7	63.0	2.2	68.2	0.8	13.3	2.0	11.7	0.6	31.6	3.4	32.8	2.0
2004	65.1	1.3	64.4	0.5	90.2	1.9	89.0	0.7	71.5	2.3	70.8	0.8	15.6	2.2	13.3	0.7	32.5	3.3	31.4	1.9
2005	62.3	1.4	64.5	0.5	91.6	2.0	89.7	0.8	64.9	2.4	70.1	0.9	8.8	1.6	12.7	0.7	50.5	4.9	30.0	2.2

E.24.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	78.4	0.7	80.3	0.4	92.1	1.0	96.1	0.4	88.0	1.0	89.1	0.6	39.3	2.0	41.0	1.1	66.1	2.4	55.1	2.2
1996	79.1	0.7	81.5	0.4	94.2	0.8	96.4	0.4	86.7	1.0	89.7	0.6	40.2	2.1	42.4	1.1	61.3	2.5	60.3	2.2
1997	79.3	0.7	81.2	0.4	94.5	0.9	95.9	0.4	87.8	1.0	90.1	0.5	39.7	1.9	43.6	1.1	65.1	2.6	59.3	2.1
1998	80.9	0.7	83.1	0.4	94.5	0.8	95.9	0.4	87.9	1.0	91.2	0.5	42.1	2.1	45.4	1.1	66.0	2.5	57.5	2.2
1999	81.2	0.7	82.9	0.4	94.6	0.8	95.8	0.4	87.1	1.0	90.1	0.5	42.4	2.1	46.2	1.1	66.7	2.7	55.6	2.4
2000	82.7	0.7	82.5	0.3	93.7	0.8	95.2	0.3	88.6	1.0	89.4	0.4	44.2	2.2	45.8	0.8	71.8	2.8	62.3	1.4
2001	82.8	0.7	82.7	0.3	95.6	0.7	95.5	0.3	87.9	1.0	89.5	0.4	44.7	2.2	46.5	0.8	70.8	2.6	59.8	1.5
2002	82.2	0.7	82.7	0.3	94.6	0.8	95.4	0.3	86.9	1.0	90.3	0.4	48.8	2.2	47.2	0.7	68.6	2.8	58.4	1.5
2003	80.6	0.7	82.5	0.3	94.9	0.8	95.5	0.3	87.4	1.1	89.5	0.4	53.0	2.2	48.4	0.7	47.3	2.7	55.8	1.6
2004	81.9	0.7	83.2	0.3	95.0	0.8	94.6	0.3	89.1	1.0	90.3	0.4	54.4	2.2	53.0	0.7	48.8	2.7	55.9	1.6
2005	82.7	0.7	83.9	0.3	95.4	0.8	95.6	0.3	88.9	1.1	90.5	0.4	49.0	2.0	53.9	0.8	69.1	3.0	55.1	1.7
2006	83.5	0.7	83.7	0.3	94.0	0.8	95.1	0.3	89.7	1.0	90.6	0.4	52.5	2.1	54.4	0.7	70.8	3.3	54.7	1.7
2007	82.2	0.7	83.8	0.3	95.0	0.8	95.0	0.3	88.4	1.1	91.0	0.4	52.7	2.1	53.8	0.8	56.8	3.3	54.8	1.7
2008	83.0	0.8	84.4	0.3	94.7	0.9	95.4	0.3	88.6	1.2	90.9	0.4	54.5	2.2	56.4	0.8	65.5	3.5	52.9	1.7
2009	76.1	1.2	78.2	0.4	90.9	1.4	92.4	0.5	84.3	1.8	87.5	0.6	49.4	2.8	50.8	1.0	42.6	5.1	42.2	2.1

E.25.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	64.1	0.9	66.6	0.5	87.9	1.4	92.4	0.7	72.2	1.5	73.3	0.8	13.1	1.4	13.6	0.8	47.1	2.7	39.7	2.4
1996	66.3	0.9	68.8	0.5	90.7	1.3	94.0	0.7	71.2	1.5	75.3	0.8	12.4	1.4	14.2	0.8	50.0	2.8	43.2	2.4
1997	65.1	0.9	68.1	0.5	89.0	1.3	93.0	0.7	70.9	1.4	75.8	0.8	15.6	1.5	15.8	0.8	50.7	3.0	38.8	2.2
1998	67.8	0.9	70.5	0.5	91.1	1.2	93.2	0.6	73.3	1.4	76.9	0.8	13.2	1.4	16.2	0.8	51.0	2.8	42.1	2.4
1999	68.7	0.9	71.2	0.5	90.0	1.2	93.8	0.6	74.0	1.4	77.6	0.8	12.7	1.5	16.4	0.9	53.9	3.1	39.1	2.5
2000	71.2	0.9	70.2	0.3	90.7	1.2	92.2	0.4	74.8	1.5	75.9	0.5	14.9	1.6	16.4	0.6	62.3	3.3	45.4	1.5
2001	71.0	0.9	70.6	0.3	93.1	1.1	92.9	0.4	74.4	1.5	76.3	0.5	13.9	1.5	17.3	0.6	57.0	3.0	42.6	1.6
2002	71.1	0.9	70.9	0.3	92.5	1.2	92.4	0.4	74.5	1.4	77.7	0.5	20.6	1.8	19.2	0.6	54.6	3.2	42.3	1.6
2003	68.4	0.9	70.8	0.3	93.4	1.2	93.2	0.4	73.1	1.5	76.9	0.5	19.5	1.8	19.7	0.6	35.1	2.7	40.5	1.6
2004	70.0	0.9	71.4	0.3	91.1	1.2	92.1	0.4	76.5	1.5	78.8	0.5	22.6	1.9	23.0	0.6	37.6	2.8	40.4	1.6
2005	70.8	0.9	72.0	0.3	93.1	1.1	93.1	0.4	74.8	1.5	79.9	0.5	20.1	1.7	22.4	0.6	59.3	3.4	36.7	1.7
2006	72.5	0.9	71.7	0.3	91.0	1.2	92.3	0.4	79.3	1.5	79.3	0.6	23.8	1.8	24.4	0.7	55.7	3.9	37.0	1.7
2007	71.8	1.0	71.4	0.4	93.8	1.2	92.2	0.5	76.8	1.8	80.1	0.6	24.0	2.1	23.1	0.7	48.6	3.7	33.2	1.9

E.26.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	57.5	1.0	60.4	0.6	84.1	1.7	89.1	0.9	63.1	1.7	64.3	1.0	7.3	1.1	8.3	0.7	40.2	2.8	31.6	2.4
1996	60.8	1.0	63.1	0.6	86.9	1.6	90.2	0.9	64.3	1.7	67.3	1.0	6.5	1.1	9.1	0.7	45.3	3.0	37.0	2.5
1997	58.6	1.0	62.5	0.6	84.2	1.7	89.9	0.9	62.8	1.6	68.2	0.9	9.1	1.2	9.2	0.7	45.3	3.2	33.5	2.2
1998	61.4	1.0	64.4	0.6	87.1	1.5	90.2	0.8	64.3	1.6	68.0	0.9	7.4	1.1	10.1	0.7	45.3	3.0	33.7	2.5
1999	64.2	1.0	66.0	0.6	88.2	1.5	92.3	0.8	67.4	1.6	69.6	0.9	7.8	1.2	9.1	0.7	49.3	3.4	33.2	2.5
2000	66.5	1.0	64.8	0.4	88.7	1.5	89.5	0.5	67.4	1.7	68.2	0.6	8.9	1.3	9.9	0.5	59.1	3.6	38.7	1.6
2001	65.0	1.0	65.0	0.4	90.5	1.4	90.2	0.5	64.8	1.7	68.0	0.6	8.2	1.3	10.6	0.5	51.0	3.2	37.3	1.7
2002	64.8	1.0	64.7	0.4	89.5	1.5	89.7	0.5	66.0	1.6	69.0	0.6	10.7	1.4	11.0	0.5	50.0	3.3	35.6	1.7
2003	61.8	1.0	65.1	0.4	90.1	1.5	90.8	0.5	63.6	1.7	68.8	0.6	10.9	1.4	11.8	0.5	30.7	2.7	34.6	1.7
2004	64.6	1.0	65.4	0.4	87.8	1.5	89.3	0.5	70.0	1.7	71.4	0.6	13.4	1.6	13.1	0.5	33.9	2.8	33.7	1.6
2005	63.2	1.1	65.1	0.4	89.6	1.6	89.9	0.6	65.5	1.9	70.7	0.7	8.8	1.3	12.6	0.6	50.9	3.9	28.0	1.8

E.27.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	80.6	1.0	82.2	0.6	94.2	1.3	96.7	0.6	90.4	1.4	90.5	0.8	41.0	2.8	44.4	1.5	71.7	3.3	64.1	3.2
1996	79.4	1.0	82.7	0.6	94.6	1.2	97.1	0.6	88.1	1.4	90.6	0.8	39.0	2.8	44.3	1.5	63.0	3.6	64.8	3.2
1997	80.2	1.0	82.8	0.5	94.3	1.2	95.8	0.6	89.0	1.4	91.5	0.7	44.2	2.7	46.5	1.5	64.4	4.0	66.2	2.9
1998	81.3	1.0	83.7	0.5	94.9	1.1	96.0	0.6	89.4	1.3	91.4	0.7	43.2	2.9	47.7	1.5	65.1	3.5	63.0	3.3
1999	82.4	1.0	84.2	0.5	95.1	1.1	95.9	0.6	88.6	1.4	90.8	0.7	42.7	3.0	49.4	1.6	70.7	3.9	62.8	3.4
2000	83.5	1.0	83.5	0.4	93.7	1.2	95.3	0.4	89.0	1.4	90.7	0.5	45.7	3.2	47.3	1.1	74.5	3.9	65.8	2.0
2001	83.5	1.0	83.9	0.4	96.3	1.0	95.7	0.4	89.3	1.4	90.6	0.5	42.8	3.0	49.0	1.1	74.0	3.4	64.1	2.2
2002	83.1	1.0	83.3	0.4	94.2	1.2	95.5	0.4	87.9	1.4	91.4	0.5	51.0	3.0	48.3	1.0	75.4	3.7	61.3	2.2
2003	80.8	1.0	83.3	0.4	95.1	1.1	95.6	0.4	88.3	1.5	90.3	0.5	51.6	2.9	49.8	1.0	48.4	3.9	60.1	2.3
2004	83.0	1.0	84.4	0.4	93.5	1.2	94.8	0.4	91.4	1.3	91.3	0.5	54.8	3.1	55.5	1.0	50.0	4.1	59.3	2.3
2005	83.8	1.0	84.5	0.4	95.7	1.0	95.9	0.4	88.3	1.6	91.0	0.5	50.1	3.0	54.9	1.0	73.1	4.2	57.9	2.5
2006	85.7	1.0	84.8	0.4	93.8	1.2	95.3	0.4	92.1	1.4	91.0	0.5	57.3	3.0	57.5	1.0	74.7	4.8	59.4	2.4
2007	82.2	1.0	84.7	0.4	96.5	1.0	95.2	0.4	88.1	1.6	91.2	0.5	49.6	2.9	55.7	1.0	59.9	4.7	60.7	2.4
2008	85.4	1.0	85.6	0.4	96.3	1.1	95.5	0.4	89.3	1.6	92.0	0.5	57.1	3.0	58.8	1.0	73.6	5.2	56.9	2.5
2009	77.6	1.6	79.8	0.6	92.7	1.9	92.7	0.6	86.3	2.5	89.3	0.8	50.4	3.9	52.6	1.4	39.5	7.5	43.5	3.1

E.28.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	65.8	1.3	67.6	0.8	90.8	1.9	93.7	1.0	73.9	2.1	73.5	1.2	12.9	2.0	13.8	1.1	51.8	3.9	45.9	3.6
1996	66.7	1.3	69.5	0.7	91.1	1.7	94.2	0.9	72.8	2.1	76.3	1.2	11.7	1.9	14.6	1.1	51.1	4.0	47.7	3.6
1997	64.6	1.3	69.2	0.7	87.2	1.9	93.4	0.9	70.2	2.0	77.0	1.1	18.1	2.2	15.5	1.1	53.1	4.5	44.6	3.2
1998	68.0	1.2	70.1	0.7	90.0	1.8	92.8	0.9	75.6	1.9	76.6	1.1	13.7	2.0	15.9	1.2	51.5	3.9	47.1	3.7
1999	68.9	1.3	71.6	0.7	89.3	1.8	93.0	0.9	73.9	2.0	78.2	1.1	13.1	2.1	15.9	1.2	57.7	4.5	47.2	3.7
2000	71.5	1.3	71.0	0.5	89.3	1.7	93.0	0.6	75.3	2.0	76.7	0.8	16.2	2.4	16.5	0.8	65.0	4.7	47.7	2.2
2001	71.4	1.3	71.9	0.5	94.7	1.5	93.5	0.6	75.2	2.1	77.6	0.8	11.8	2.0	17.7	0.8	56.3	4.1	48.9	2.4
2002	70.5	1.3	71.2	0.5	92.3	1.7	92.4	0.6	72.9	2.0	78.9	0.8	21.6	2.5	18.9	0.8	59.6	4.5	45.7	2.4
2003	68.1	1.3	71.7	0.5	92.9	1.6	93.7	0.6	73.8	2.1	78.2	0.8	17.9	2.3	20.3	0.8	37.1	4.0	44.4	2.5
2004	70.2	1.3	72.3	0.5	89.8	1.7	91.8	0.6	77.4	2.0	80.3	0.7	20.2	2.6	23.6	0.9	38.0	4.2	44.8	2.5
2005	73.6	1.3	72.6	0.5	93.1	1.5	93.3	0.6	76.3	2.2	80.9	0.8	24.3	2.6	22.4	0.9	64.7	4.8	38.3	2.6
2006	73.6	1.3	72.6	0.5	91.4	1.6	92.5	0.6	80.5	2.1	80.0	0.8	23.4	2.6	25.2	0.9	56.2	5.8	40.6	2.5
2007	72.2	1.4	72.5	0.5	95.4	1.3	92.5	0.7	77.4	2.5	81.1	0.9	20.7	2.7	24.2	1.0	+		38.0	2.8

+ Statistic could not be calculated.

E.29.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	57.8	1.5	60.6	0.8	83.8	2.4	90.1	1.3	63.6	2.4	62.4	1.4	8.1	1.7	8.3	0.9	43.7	4.2	38.3	3.8
1996	60.8	1.4	62.9	0.8	87.6	2.2	90.0	1.2	64.9	2.4	66.9	1.4	4.7	1.3	8.6	0.9	46.0	4.1	41.4	3.7
1997	57.1	1.4	63.6	0.8	83.8	2.4	90.4	1.2	59.9	2.3	69.3	1.3	9.2	1.7	9.0	0.9	45.6	4.8	39.8	3.4
1998	60.6	1.4	63.5	0.8	85.8	2.2	89.5	1.2	64.1	2.2	66.5	1.3	8.6	1.7	9.5	0.9	45.3	4.2	40.3	3.9
1999	63.5	1.4	66.2	0.8	86.3	2.2	91.3	1.1	65.9	2.3	69.7	1.3	7.6	1.7	9.2	1.0	53.7	5.0	40.2	3.9
2000	65.5	1.4	65.0	0.5	87.2	2.1	90.0	0.7	65.7	2.3	68.1	0.9	8.7	1.9	9.3	0.7	59.6	5.2	39.5	2.3
2001	65.4	1.4	65.8	0.5	91.1	2.0	90.6	0.7	65.5	2.4	68.5	0.9	7.6	1.7	10.3	0.7	50.3	4.4	41.8	2.5
2002	63.1	1.4	64.7	0.5	87.8	2.1	89.9	0.7	63.6	2.3	68.6	0.9	10.9	2.0	10.7	0.7	54.4	4.8	39.1	2.4
2003	62.0	1.4	65.6	0.5	90.3	2.0	91.3	0.7	65.3	2.4	68.9	0.9	8.4	1.7	11.8	0.7	33.1	4.0	40.6	2.6
2004	63.6	1.4	65.7	0.5	86.3	2.0	89.3	0.7	67.6	2.3	71.5	0.9	11.0	2.0	12.7	0.7	34.8	4.3	38.0	2.5
2005	64.7	1.6	65.2	0.6	89.1	2.1	90.0	0.8	66.2	2.8	71.4	1.0	8.3	1.9	11.8	0.8	55.6	5.6	29.1	2.7

E.30.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	76.1	1.1	78.4	0.6	89.9	1.5	95.6	0.6	85.7	1.5	87.8	0.8	37.4	2.9	37.6	1.5	60.8	3.4	47.4	3.0
1996	78.8	1.0	80.3	0.6	93.9	1.2	95.7	0.6	85.4	1.5	88.7	0.8	41.5	3.0	40.3	1.6	59.7	3.6	56.5	3.0
1997	78.4	1.0	79.6	0.6	94.8	1.2	96.0	0.6	86.7	1.4	88.6	0.8	34.7	2.8	40.7	1.5	65.6	3.5	52.8	2.9
1998	80.4	1.0	82.4	0.6	94.2	1.2	95.8	0.6	86.4	1.4	90.9	0.7	41.0	2.9	43.0	1.6	66.9	3.5	53.3	3.0
1999	80.0	1.0	81.6	0.6	94.2	1.2	95.7	0.6	85.7	1.5	89.5	0.8	42.1	3.0	42.9	1.6	62.9	3.9	49.4	3.2
2000	82.0	1.0	81.4	0.4	93.8	1.2	95.1	0.4	88.2	1.5	88.1	0.5	42.7	3.1	44.2	1.1	69.3	3.9	59.3	1.9
2001	82.0	1.0	81.3	0.4	95.0	1.1	95.3	0.4	86.5	1.5	88.4	0.6	46.5	3.0	43.7	1.1	67.3	3.8	56.2	2.1
2002	81.4	1.0	82.0	0.4	94.9	1.1	95.4	0.4	85.9	1.5	89.1	0.5	46.4	3.1	46.0	1.1	61.9	4.0	55.8	2.1
2003	80.4	1.0	81.7	0.4	94.7	1.2	95.3	0.4	86.5	1.5	88.7	0.6	54.8	3.3	46.8	1.1	46.4	3.6	52.2	2.1
2004	80.8	1.0	81.8	0.4	96.6	1.0	94.3	0.4	86.7	1.6	89.3	0.6	53.9	3.2	50.2	1.1	47.8	3.6	53.2	2.1
2005	81.6	1.0	83.1	0.4	95.1	1.1	95.2	0.4	89.4	1.5	90.0	0.6	48.0	2.8	52.7	1.1	65.4	4.3	52.8	2.3
2006	81.5	1.0	82.4	0.4	94.1	1.1	94.9	0.4	87.5	1.5	90.2	0.5	48.2	2.8	51.2	1.1	67.7	4.6	50.6	2.3
2007	82.2	1.0	82.8	0.4	93.7	1.2	94.9	0.4	88.6	1.6	90.8	0.5	56.0	3.0	51.7	1.1	54.0	4.6	49.7	2.3
2008	80.5	1.1	83.2	0.4	92.9	1.4	95.2	0.4	87.9	1.7	89.6	0.6	51.7	3.1	53.7	1.1	60.1	4.7	49.1	2.4
2009	74.5	1.7	76.6	0.6	89.0	2.2	92.0	0.7	82.6	2.6	85.7	0.9	48.3	4.0	49.0	1.4	45.2	7.0	41.1	2.8

E.31.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	62.4	1.3	65.6	0.8	84.9	2.0	91.2	1.0	70.5	2.0	73.1	1.2	13.3	2.1	13.5	1.1	42.7	3.7	34.3	3.1
1996	65.9	1.3	68.0	0.7	90.2	1.8	93.7	1.0	69.7	2.0	74.3	1.2	13.1	2.1	13.8	1.1	49.0	4.0	39.5	3.2
1997	65.5	1.3	67.0	0.7	90.8	1.9	92.6	1.0	71.6	2.0	74.5	1.2	12.7	2.0	16.0	1.1	48.9	4.0	33.4	2.9
1998	67.7	1.2	70.8	0.7	92.2	1.7	93.7	0.9	71.1	1.9	77.1	1.1	12.6	2.0	16.6	1.2	50.5	3.9	38.4	3.2
1999	68.5	1.3	70.9	0.7	90.7	1.7	94.6	0.9	74.1	2.0	77.0	1.1	12.4	2.0	16.9	1.2	50.4	4.3	32.2	3.3
2000	70.9	1.3	69.3	0.5	92.2	1.7	91.4	0.6	74.2	2.1	75.0	0.8	13.6	2.2	16.3	0.8	59.7	4.6	43.4	2.1
2001	70.5	1.3	69.3	0.5	91.6	1.7	92.2	0.6	73.7	2.0	75.0	0.8	16.0	2.3	17.0	0.8	57.8	4.3	37.2	2.2
2002	71.8	1.3	70.5	0.5	92.6	1.6	92.5	0.6	76.2	2.0	76.6	0.8	19.6	2.5	19.6	0.9	49.8	4.4	39.2	2.2
2003	68.7	1.3	69.9	0.5	94.0	1.6	92.8	0.6	72.5	2.1	75.5	0.8	21.5	2.7	19.0	0.9	33.5	3.6	37.2	2.2
2004	69.8	1.3	70.4	0.5	92.6	1.7	92.3	0.6	75.6	2.2	77.2	0.8	25.0	2.8	22.3	0.9	37.4	3.7	37.0	2.2
2005	68.1	1.3	71.5	0.5	92.8	1.5	92.8	0.6	73.5	2.2	78.8	0.8	16.4	2.1	22.4	0.9	54.3	4.7	35.4	2.3
2006	71.6	1.3	70.8	0.5	90.7	1.6	92.1	0.6	78.2	2.1	78.6	0.8	24.2	2.5	23.6	0.9	55.2	5.2	34.0	2.3
2007	71.3	1.5	70.2	0.6	91.9	1.8	91.9	0.7	76.2	2.5	79.0	0.9	27.7	3.1	21.9	1.0	42.7	5.2	28.9	2.5

E.32.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
White Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	57.2	1.5	60.2	0.8	84.5	2.4	88.0	1.3	62.7	2.3	66.1	1.3	6.4	1.6	8.3	0.9	36.9	3.8	25.8	3.1
1996	60.9	1.4	63.2	0.8	86.1	2.3	90.4	1.3	63.7	2.3	67.7	1.4	8.6	1.8	9.7	1.0	44.7	4.3	33.3	3.3
1997	60.0	1.4	61.3	0.8	84.6	2.4	89.4	1.2	65.6	2.3	67.2	1.3	9.1	1.7	9.4	0.9	45.1	4.3	27.7	2.9
1998	62.2	1.4	65.2	0.8	88.4	2.2	90.9	1.2	64.4	2.2	69.4	1.3	6.0	1.5	10.9	1.1	45.3	4.2	28.5	3.2
1999	65.0	1.4	65.9	0.8	90.0	1.9	93.3	1.2	68.8	2.3	69.6	1.3	7.9	1.7	9.1	1.0	45.2	4.6	27.0	3.3
2000	67.6	1.5	64.5	0.5	90.2	2.2	88.9	0.8	69.4	2.4	68.3	0.9	9.1	1.9	10.6	0.7	58.7	5.1	38.2	2.2
2001	64.6	1.4	64.3	0.5	89.8	2.1	89.7	0.8	64.1	2.3	67.5	0.9	8.9	1.8	11.0	0.7	51.7	4.7	33.5	2.3
2002	66.6	1.4	64.8	0.5	91.1	2.1	89.5	0.8	68.4	2.4	69.5	0.9	10.5	2.0	11.3	0.7	45.6	4.6	32.4	2.3
2003	61.6	1.5	64.6	0.6	90.0	2.1	90.2	0.8	61.8	2.4	68.7	0.9	14.0	2.4	11.8	0.7	28.6	3.6	29.6	2.2
2004	65.6	1.5	65.0	0.6	89.4	2.1	89.3	0.8	72.6	2.5	71.2	0.9	15.8	2.4	13.6	0.8	33.3	3.8	30.2	2.2
2005	61.8	1.6	64.9	0.6	90.1	2.3	89.8	0.9	64.9	2.7	70.1	1.0	9.4	1.9	13.5	0.9	46.4	5.3	27.1	2.5

E.33.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	74.2	2.1	76.4	1.3	89.8	3.0	92.6	1.5	85.0	2.9	89.4	1.7	46.1	5.1	37.5	2.8	56.2	6.0	64.3	5.2
1996	74.1	2.0	78.3	1.3	91.3	2.7	94.2	1.5	88.0	2.8	91.5	1.6	36.6	4.4	38.4	2.9	63.4	6.6	64.6	5.5
1997	74.3	2.0	78.3	1.2	90.7	2.6	95.7	1.2	89.7	2.7	87.5	1.7	39.0	4.3	43.4	2.8	56.8	7.5	57.1	5.2
1998	77.0	1.9	77.3	1.2	94.4	2.1	94.6	1.3	89.8	2.5	90.7	1.6	38.7	4.4	39.1	2.7	53.5	7.1	58.6	5.3
1999	76.7	1.9	79.5	1.2	92.5	2.5	93.5	1.4	85.4	2.8	87.7	1.7	39.1	4.5	47.2	2.8	79.1	6.4	75.2	5.3
2000	75.1	1.9	76.3	0.8	93.3	2.2	93.9	0.9	88.1	2.6	87.8	1.1	33.6	4.2	39.9	1.8	63.8	6.8	61.9	3.4
2001	76.9	1.9	77.4	0.8	95.5	2.0	93.1	0.9	82.5	3.0	85.6	1.1	37.0	4.6	43.3	1.8	72.1	6.6	68.4	3.5
2002	77.6	1.8	79.0	0.8	95.3	1.9	93.6	0.9	84.6	2.9	88.9	1.0	38.3	4.6	44.3	1.8	62.2	6.9	70.8	3.5
2003	77.7	1.8	79.3	0.7	95.2	2.0	93.8	0.8	86.5	2.7	88.3	1.1	49.9	4.4	47.3	1.8	52.2	6.7	68.8	3.5
2004	79.5	1.9	80.2	0.7	96.3	1.8	94.0	0.8	93.1	2.4	91.0	1.0	53.5	5.3	49.4	1.8	39.0	5.6	60.7	3.7
2005	79.5	1.9	80.8	0.8	95.9	1.9	94.2	0.8	89.1	2.7	89.6	1.1	46.0	4.4	49.9	1.8	69.6	7.8	72.4	4.2
2006	81.3	1.8	81.6	0.7	95.9	1.9	94.3	0.8	87.1	2.9	90.2	1.0	57.5	4.2	53.6	1.8	69.7	8.8	64.3	3.7
2007	81.3	1.8	81.6	0.7	97.6	1.6	93.8	0.8	86.7	2.9	90.1	1.0	53.5	4.2	52.2	1.8	72.2	8.3	65.3	3.8
2008	79.8	2.0	80.8	0.7	93.4	2.3	94.8	0.8	90.3	2.9	90.7	1.0	51.1	5.0	51.9	1.7	56.2	9.1	58.8	3.9
2009	76.2	2.7	76.6	1.0	96.8	2.4	92.4	1.2	89.5	4.1	86.3	1.6	44.0	5.8	50.3	2.2	50.4	11.5	55.9	5.4

E.34.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	56.5	2.5	59.2	1.5	81.6	4.3	87.1	2.2	62.5	4.1	67.8	2.6	18.4	4.1	11.9	2.0	46.5	6.7	38.7	5.5
1996	56.4	2.4	62.0	1.6	83.5	3.9	89.4	2.2	68.3	4.0	72.1	2.5	9.8	2.8	11.8	2.0	44.0	7.3	42.8	6.1
1997	57.7	2.4	62.6	1.5	86.9	3.6	93.0	1.9	72.2	4.0	70.6	2.4	8.8	2.6	10.5	1.8	35.4	7.7	38.0	5.4
1998	59.4	2.3	61.7	1.5	84.5	3.4	88.8	2.1	70.5	3.8	74.0	2.4	10.4	2.9	12.8	1.9	38.7	7.2	37.6	5.5
1999	63.5	2.4	61.9	1.5	89.7	3.4	91.5	2.0	71.2	3.7	68.5	2.4	13.5	3.3	10.5	1.8	63.0	8.0	50.8	6.3
2000	57.7	2.3	60.3	1.0	86.7	3.3	89.0	1.3	70.4	3.8	69.5	1.6	4.9	2.0	11.8	1.2	37.6	7.1	45.3	3.6
2001	64.1	2.3	62.2	0.9	92.8	2.9	88.6	1.3	67.7	4.0	70.0	1.5	12.6	3.3	14.1	1.3	52.4	7.7	46.7	4.0
2002	65.2	2.3	64.1	0.9	92.9	2.8	88.2	1.3	67.2	3.9	73.4	1.5	17.7	3.7	17.3	1.4	45.2	7.6	50.7	4.0
2003	62.9	2.2	62.7	0.9	94.4	2.8	88.6	1.2	70.5	3.7	71.0	1.5	15.2	3.2	14.9	1.3	40.1	6.9	49.6	4.0
2004	65.2	2.3	65.0	0.9	91.3	3.0	90.4	1.2	75.0	4.0	75.3	1.5	20.7	4.4	19.7	1.4	30.4	5.6	40.7	3.9
2005	63.3	2.3	66.4	0.9	95.3	2.3	91.1	1.2	66.1	4.1	75.3	1.6	14.3	3.1	18.8	1.5	53.7	9.0	56.5	4.9
2006	65.7	2.3	65.6	0.9	93.6	2.9	89.3	1.1	75.7	3.8	75.1	1.5	21.4	3.6	19.5	1.4	46.7	10.2	47.0	4.1
2007	63.4	2.6	65.0	1.0	91.3	3.2	89.1	1.3	75.6	4.5	73.6	1.7	15.9	3.6	19.2	1.6	54.7	10.9	44.6	4.5

E.35.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	49.5	2.7	52.9	1.7	80.4	4.9	83.5	2.6	50.9	4.4	57.8	2.9	12.4	3.5	7.1	1.6	38.3	6.9	31.6	5.5
1996	50.0	2.6	52.4	1.7	75.1	4.7	77.9	2.8	57.6	4.5	60.5	2.8	9.1	2.9	7.4	1.7	42.3	7.5	35.5	6.2
1997	53.6	2.6	56.2	1.6	82.3	4.4	89.3	2.4	69.4	4.5	60.0	2.7	6.9	2.4	7.2	1.6	22.9	6.9	27.8	5.3
1998	51.5	2.5	52.9	1.6	74.7	4.2	82.6	2.6	62.4	4.3	59.8	2.7	4.5	2.0	6.4	1.4	34.4	7.2	34.8	5.6
1999	56.3	2.6	54.4	1.6	83.8	4.3	86.2	2.5	63.5	4.2	57.8	2.7	6.9	2.5	5.4	1.4	52.3	8.6	38.6	6.3
2000	54.0	2.5	53.0	1.0	84.7	3.9	84.3	1.6	62.7	4.3	58.3	1.8	4.9	2.0	6.6	0.9	33.8	7.2	36.9	3.7
2001	59.3	2.5	55.3	1.0	91.7	3.6	84.1	1.6	58.2	4.4	61.0	1.7	11.0	3.2	7.7	1.0	42.9	7.9	35.9	4.0
2002	57.5	2.5	56.6	1.0	87.9	3.7	82.9	1.6	58.2	4.3	65.0	1.7	10.8	3.1	9.1	1.1	29.2	7.1	38.2	4.0
2003	56.4	2.4	55.8	1.0	88.0	3.7	84.3	1.5	63.2	4.1	61.2	1.7	7.6	2.4	8.4	1.0	38.7	7.2	42.9	4.2
2004	57.1	2.6	56.9	1.0	85.0	3.8	86.3	1.5	63.1	4.7	64.5	1.7	12.2	3.6	9.8	1.1	25.8	5.6	32.6	3.9
2005	56.3	2.6	58.2	1.1	92.5	3.8	87.5	1.6	58.3	4.7	64.0	2.0	4.4	2.0	9.0	1.2	43.2	10.0	42.2	5.4

E.36.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Male Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	74.1	3.1	73.8	1.9	91.8	4.0	95.6	2.0	82.7	4.7	85.8	2.8	40.4	7.7	31.7	3.9	58.5	9.1	59.9	7.2
1996	78.1	2.9	83.3	1.7	96.2	3.1	96.3	1.9	88.5	4.1	94.7	2.1	41.6	6.7	41.5	4.8	65.6	10.2	71.6	7.9
1997	76.5	2.9	76.7	1.8	91.9	3.7	95.4	1.9	93.7	3.6	88.3	2.6	42.8	6.1	42.2	3.9	*		59.3	7.4
1998	80.0	2.7	79.2	1.7	94.9	3.0	94.3	2.1	97.2	2.9	95.4	1.9	42.6	6.1	41.0	4.0	*		57.7	8.1
1999	74.8	3.0	79.8	1.8	89.6	4.3	97.0	1.9	87.6	4.1	87.4	2.6	42.1	6.5	48.2	4.1	*		76.5	8.2
2000	79.7	2.7	76.8	1.2	93.3	3.4	92.9	1.4	90.1	3.6	89.8	1.5	40.7	6.9	41.4	2.6	*		57.0	5.2
2001	75.5	2.9	78.0	1.1	98.3	2.5	93.7	1.3	83.6	4.6	86.1	1.7	30.9	5.9	43.5	2.6	*		74.9	4.9
2002	78.7	2.7	79.2	1.1	96.4	2.7	94.8	1.3	92.4	3.5	89.7	1.5	36.8	6.4	43.6	2.6	*		74.6	5.3
2003	74.6	2.7	80.0	1.1	92.7	3.1	93.7	1.3	87.2	3.9	88.9	1.5	42.3	6.1	49.6	2.6	49.0	9.0	69.6	5.4
2004	77.4	2.8	80.4	1.1	95.1	2.8	95.1	1.2	89.1	4.1	91.2	1.4	44.4	8.2	48.6	2.5	35.4	8.3	62.7	5.7
2005	77.6	2.9	81.2	1.1	93.1	3.5	93.6	1.3	88.8	4.2	90.2	1.5	47.4	6.6	51.7	2.7	*		76.3	6.2
2006	82.6	2.6	82.4	1.0	95.6	3.0	95.4	1.1	86.3	4.0	91.0	1.5	62.1	6.3	54.3	2.5	*		70.2	5.3
2007	79.5	2.7	81.7	1.0	96.8	2.7	93.9	1.2	84.7	4.6	91.0	1.4	58.6	5.6	51.3	2.6	*		65.7	5.7
2008	82.1	2.9	81.6	1.0	92.5	3.3	94.9	1.1	89.6	4.6	89.0	1.6	58.1	7.4	56.4	2.4	*		63.3	5.9
2009	75.3	4.1	77.5	1.5	100.0	2.3	92.7	1.7	94.2	5.0	89.1	2.2	39.7	7.9	51.7	3.2	*		51.9	7.7

* Statistic not displayed due to less than 25 cases.

E.37.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Male Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	59.1	3.8	58.4	2.3	86.3	5.8	93.8	3.0	65.0	6.3	62.4	3.9	13.2	5.5	9.4	2.5	45.5	10.0	42.9	7.6
1996	60.8	3.6	65.1	2.3	83.9	5.5	90.1	3.0	69.5	6.0	72.1	3.8	16.1	5.3	11.9	3.3	55.2	11.7	41.9	9.0
1997	59.8	3.6	61.0	2.2	90.8	5.1	92.5	2.9	76.7	6.1	70.2	3.7	9.6	3.8	12.2	2.6	*		44.5	8.0
1998	62.9	3.4	64.9	2.2	86.8	4.9	89.5	3.1	80.9	5.7	80.2	3.4	11.2	4.0	15.6	3.0	*		40.5	8.4
1999	64.3	3.6	60.6	2.3	89.6	4.3	94.2	3.0	80.1	5.5	67.9	3.8	11.1	4.3	9.7	2.5	*		50.4	9.8
2000	65.2	3.5	61.4	1.4	90.2	4.8	88.5	2.0	78.5	5.4	72.5	2.3	6.1	3.4	12.0	1.8	*		49.2	5.6
2001	63.4	3.5	63.3	1.4	91.2	4.7	90.3	1.9	71.9	6.0	71.5	2.3	14.0	4.6	14.0	1.9	*		49.9	5.9
2002	65.1	3.4	64.4	1.4	93.1	4.3	90.4	1.9	71.3	5.8	74.9	2.3	18.5	5.3	15.8	1.9	*		53.9	6.4
2003	59.8	3.2	62.1	1.4	89.1	4.3	86.6	1.9	67.7	5.6	71.6	2.3	14.2	4.4	13.6	1.8	40.7	9.5	56.3	6.2
2004	65.5	3.5	65.3	1.4	90.5	4.4	91.1	1.8	77.5	5.8	76.6	2.1	11.0	5.2	17.4	2.0	26.4	8.2	47.5	6.2
2005	60.4	3.6	66.0	1.4	90.0	4.3	89.0	1.9	66.0	6.3	75.4	2.3	14.4	4.7	20.5	2.2	*		59.7	7.6
2006	66.0	3.4	65.6	1.3	93.4	4.6	89.4	1.7	72.4	5.4	76.4	2.2	27.0	5.9	20.3	2.1	*		47.2	6.0
2007	61.7	3.8	64.7	1.5	91.8	3.9	86.2	2.0	82.4	5.9	75.1	2.4	15.9	4.7	20.3	2.4	*		45.8	6.8

* Statistic not displayed due to less than 25 cases.

E.38.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Male Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	51.7	4.1	53.4	2.4	83.2	7.0	89.4	3.8	53.1	6.9	56.1	4.3	5.6	3.8	5.5	2.0	39.3	10.5	36.7	7.7
1996	53.0	3.9	54.6	2.6	72.7	6.7	77.5	4.0	56.9	6.7	59.6	4.3	16.1	5.3	8.8	3.0	53.6	12.3	31.0	9.1
1997	54.1	3.9	52.8	2.4	81.8	6.6	85.6	3.8	72.5	7.0	56.7	4.2	8.3	3.6	9.1	2.4	*		36.3	8.2
1998	54.7	3.7	55.2	2.4	76.0	6.1	84.1	3.9	73.6	6.8	64.6	4.1	5.0	2.8	7.3	2.2	*		34.8	8.5
1999	56.9	4.0	53.7	2.5	88.4	7.0	89.9	3.9	70.8	6.4	59.4	4.2	6.1	3.5	4.0	1.8	*		32.1	9.2
2000	61.1	3.8	54.5	1.5	86.4	5.9	84.2	2.5	70.9	6.3	62.5	2.6	6.1	3.4	6.1	1.3	*		42.4	5.8
2001	56.0	3.8	54.7	1.5	84.8	5.9	81.8	2.4	58.1	6.7	62.2	2.6	14.0	4.6	8.5	1.6	*		33.2	5.7
2002	54.8	3.7	56.2	1.5	84.0	5.7	84.4	2.4	58.5	6.6	65.3	2.6	11.7	4.5	8.0	1.5	*		38.5	6.4
2003	51.6	3.4	54.8	1.5	81.3	5.4	82.4	2.3	57.1	6.1	59.9	2.6	6.7	3.2	7.6	1.4	36.7	9.8	48.5	6.7
2004	55.6	3.8	56.3	1.5	78.1	5.8	86.3	2.3	61.1	6.9	64.2	2.5	8.4	4.7	7.9	1.4	26.4	8.2	37.1	6.3
2005	48.9	4.1	57.3	1.6	84.1	6.4	86.7	2.1	52.7	7.4	61.5	2.9	2.9	2.6	9.8	1.8	*		+	

* Statistic not displayed due to less than 25 cases.

+ Statistic could not be calculated.

E.39.

1-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	74.3	2.8	78.8	1.7	87.6	4.5	89.9	2.3	86.8	3.7	92.4	2.1	50.1	6.7	43.2	4.1	54.4	8.1	69.4	7.5
1996	70.5	2.9	74.0	1.8	86.0	4.5	92.1	2.3	87.6	3.7	88.8	2.3	32.6	5.8	36.4	3.7	61.9	8.7	58.9	7.6
1997	72.3	2.8	79.6	1.6	89.5	3.7	95.9	1.6	86.8	3.8	86.9	2.3	35.1	5.9	44.7	4.1	50.6	10.3	54.9	7.3
1998	74.2	2.7	75.7	1.7	93.8	3.0	95.0	1.8	84.7	3.7	86.5	2.4	34.0	6.4	37.4	3.7	45.1	9.1	59.3	7.1
1999	78.2	2.5	79.3	1.5	94.5	2.9	91.1	2.0	83.7	3.8	88.0	2.2	36.2	6.2	46.3	3.9	88.2	6.8	74.4	6.9
2000	71.4	2.7	75.9	1.1	93.4	3.0	94.7	1.2	86.2	3.7	85.9	1.6	28.8	5.2	38.7	2.4	56.4	9.1	65.5	4.3
2001	78.1	2.5	76.9	1.1	93.3	2.8	92.6	1.3	81.7	4.1	85.2	1.5	44.6	7.2	43.3	2.5	64.3	9.0	62.9	4.9
2002	76.7	2.5	78.8	1.0	94.4	2.6	92.6	1.2	78.5	4.2	88.3	1.4	39.7	6.6	44.9	2.5	68.5	8.6	68.2	4.6
2003	80.8	2.5	78.7	1.0	97.7	2.5	93.9	1.1	85.8	3.7	87.8	1.4	57.9	6.2	45.2	2.4	56.3	9.9	68.2	4.6
2004	81.4	2.5	79.9	1.0	97.4	2.4	93.1	1.2	96.5	2.7	90.9	1.3	60.1	6.9	50.2	2.4	41.6	7.4	59.2	4.9
2005	81.0	2.4	80.4	1.0	97.9	2.1	94.8	1.1	89.2	3.6	89.1	1.5	44.9	5.9	48.3	2.5	*		69.6	5.6
2006	80.0	2.5	80.9	1.0	96.2	2.5	93.4	1.1	88.0	4.1	89.5	1.4	53.9	5.7	53.0	2.4	*		59.5	5.1
2007	82.9	2.3	81.5	1.0	98.2	1.8	93.7	1.1	88.2	3.7	89.2	1.4	46.8	6.4	53.1	2.4	*		65.1	5.2
2008	77.8	2.8	80.1	1.0	94.4	3.1	94.7	1.1	90.7	3.6	92.1	1.3	45.5	6.7	47.3	2.5	*		55.4	5.3
2009	77.0	3.7	75.8	1.4	93.7	3.8	92.1	1.6	85.6	6.2	83.7	2.4	48.6	8.3	49.0	3.1	*		59.6	7.5

* Statistic not displayed due to less than 25 cases.

E.40.

3-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	54.4	3.4	59.9	2.1	76.7	6.2	81.3	3.1	60.7	5.4	72.5	3.4	22.1	5.7	14.3	3.0	47.0	8.4	33.5	7.9
1996	52.4	3.3	59.3	2.1	83.1	5.6	88.5	3.1	67.3	5.5	72.0	3.3	4.8	2.7	11.7	2.5	36.1	9.1	43.4	8.1
1997	55.8	3.3	64.1	2.0	83.4	5.1	93.4	2.4	68.9	5.3	70.8	3.2	8.0	3.5	8.5	2.4	31.3	10.2	31.8	7.3
1998	56.2	3.2	58.9	2.0	82.3	4.8	88.1	2.8	63.3	5.1	68.6	3.3	9.5	4.1	10.2	2.4	31.0	8.8	35.4	7.2
1999	62.9	3.1	63.0	1.9	87.5	4.4	89.6	2.6	64.2	5.1	69.0	3.1	15.8	4.9	11.3	2.5	70.5	9.7	51.1	8.3
2000	51.6	3.1	59.3	1.3	83.8	4.6	89.4	1.8	63.0	5.3	66.7	2.3	4.1	2.3	11.6	1.6	27.2	8.4	42.4	4.7
2001	64.7	3.1	61.2	1.3	93.3	2.8	87.1	1.8	64.6	5.3	68.8	2.1	10.9	4.6	14.1	1.8	45.3	9.8	43.9	5.3
2002	65.3	3.0	63.8	1.3	91.0	3.5	86.5	1.7	63.9	5.2	72.1	2.1	16.9	5.2	18.7	2.0	52.3	9.7	48.5	5.1
2003	66.0	3.1	63.1	1.2	97.3	3.2	90.4	1.6	72.9	5.0	70.6	2.1	16.2	4.7	16.0	1.8	39.6	10.0	44.8	5.2
2004	65.0	3.2	64.8	1.2	92.0	4.0	89.8	1.6	73.0	5.5	74.0	2.0	27.8	6.4	21.7	2.0	33.3	7.5	36.0	4.9
2005	65.4	3.1	66.8	1.3	97.8	3.1	92.7	1.5	66.2	5.5	75.2	2.1	14.3	4.2	17.2	1.9	*		54.2	6.5
2006	65.5	3.2	65.6	1.2	93.7	3.7	89.1	1.5	79.7	5.4	73.9	2.1	17.1	4.3	18.6	1.9	*		46.9	5.5
2007	65.0	3.6	65.2	1.4	90.3	4.4	91.6	1.6	70.9	6.2	72.3	2.3	15.8	5.4	18.2	2.2	*		43.6	6.0

* Statistic not displayed due to less than 25 cases.

E.41.

5-Year Relative Survival Rates for
Cancers of the Colon and Rectum by Year of Diagnosis,
Black Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	47.8	3.6	52.5	2.3	74.4	6.6	78.0	3.4	49.3	5.7	59.3	3.9	17.1	5.3	8.6	2.5	37.6	9.2	25.4	7.6
1996	47.3	3.5	50.6	2.3	77.7	6.7	78.3	4.0	58.2	6.1	61.2	3.8	3.3	2.3	6.6	2.0	34.2	9.2	38.9	8.4
1997	53.2	3.6	59.1	2.2	82.7	5.9	92.3	3.0	67.1	6.0	62.4	3.5	5.2	2.9	5.2	1.9	18.7	8.7	19.6	6.4
1998	48.8	3.3	50.9	2.1	73.4	5.8	81.4	3.4	54.7	5.5	55.7	3.7	4.0	2.8	5.6	1.8	28.7	8.8	34.9	7.5
1999	55.9	3.4	54.9	2.1	80.8	5.5	83.7	3.2	57.9	5.5	56.7	3.5	7.3	3.5	6.5	2.0	63.0	11.0	43.3	8.6
2000	48.3	3.2	51.7	1.4	83.2	5.3	84.5	2.2	55.3	5.7	54.4	2.5	4.1	2.3	7.0	1.3	20.8	7.7	32.9	4.7
2001	62.1	3.4	55.7	1.4	93.3	2.8	85.8	1.9	58.3	5.8	60.0	2.3	6.7	3.8	7.0	1.3	37.5	9.9	38.1	5.5
2002	59.6	3.3	56.9	1.4	91.0	3.5	81.7	2.1	58.0	5.6	64.7	2.3	9.8	4.2	10.1	1.6	35.5	9.5	37.9	5.1
2003	61.3	3.4	56.6	1.4	95.2	5.1	86.0	2.0	68.6	5.6	62.2	2.3	8.5	3.7	9.1	1.5	39.6	10.0	38.8	5.4
2004	58.3	3.4	57.5	1.3	91.7	4.8	86.2	1.9	64.8	6.3	64.7	2.3	14.7	5.2	11.6	1.6	23.0	6.9	29.4	4.8
2005	62.0	3.4	59.0	1.5	97.8	3.1	88.1	2.2	+		66.3	2.7	+		8.3	1.6	*		36.5	7.0

+ Statistic could not be calculated.

* Statistic not displayed due to less than 25 cases.

Cancer Incidence, Mortality and Survival Tables

F. Invasive Cancers of the Uterine Cervix

F.1.

Numbers of Invasive Cancers of the Uterine Cervix
and Age-Adjusted Incidence Rates by Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate	National	
			SEER	CDC
1985	518	11.8 ±1.0	10.2	---
1986	544	12.1 ±1.0	10.8	---
1987	521	11.6 ±1.0	10.0	---
1988	616	13.2 ±1.1	10.6	---
1989	605	13.0 ±1.0	10.7	---
1990	660	14.1 ±1.1	10.6	---
1991	580	12.2 ±1.0	10.0	---
1992	558	11.6 ±1.0	9.9	---
1993	533	10.9 ±0.9	9.6	---
1994	505	10.2 ±0.9	9.5	---
1995	486	9.7 ±0.9	8.9	---
1996	524	10.3 ±0.9	9.6	---
1997	544	10.7 ±0.9	9.2	---
1998	505	9.8 ±0.8	9.1	---
1999	449	8.7 ±0.8	8.2	9.7
2000	459	8.8 ±0.8	7.7	9.6
2001	463	8.8 ±0.8	8.0	9.1
2002	415	7.9 ±0.8	7.4	8.7
2003	419	7.9 ±0.8	7.3	8.4
2004	371	7.1 ±0.7	7.1	8.1
2005	376	7.2 ±0.7	6.8	8.2
2006	388	7.3 ±0.7	6.9	8.1
2007	418	8.1 ±0.8	6.6	8.0
2008	364	7.0 ±0.7	6.7	7.8
2009	364	7.2 ±0.7	6.9	---

--- Not available

F.2.

Age-Adjusted Incidence Rates of
Invasive Cancers of the Uterine Cervix by Race
Female Michigan Residents, 1985-2009

Year	All Races	White	Black
1985	11.8	10.6	19.5
1986	12.1	11.0	18.6
1987	11.6	10.2	20.0
1988	13.2	12.0	19.7
1989	13.0	12.5	16.2
1990	14.1	13.2	18.1
1991	12.2	10.8	20.7
1992	11.6	10.8	15.6
1993	10.9	9.8	17.0
1994	10.2	9.5	15.7
1995	9.7	8.7	15.2
1996	10.3	9.3	14.6
1997	10.7	9.7	16.5
1998	9.8	9.0	14.4
1999	8.7	7.9	13.5
2000	8.8	8.3	12.1
2001	8.8	8.2	13.2
2002	7.9	7.3	11.1
2003	7.9	7.0	11.9
2004	7.1	6.3	11.1
2005	7.2	6.9	9.0
2006	7.3	7.0	9.6
2007	8.1	7.7	11.3
2008	7.0	6.5	10.6
2009	7.2	7.0	8.2

F.3.

Numbers of Deaths Due to Invasive Cancers of the
Uterine Cervix and Age-Adjusted Mortality Rates by Year,
Female Michigan Residents, 1985-2010

Year of Death	Number	Rate	National
1985	151	3.4 ±0.5	3.8
1986	159	3.6 ±0.5	3.8
1987	148	3.3 ±0.5	3.6
1988	154	3.4 ±0.5	3.6
1989	170	3.8 ±0.6	3.6
1990	164	3.6 ±0.5	3.7
1991	149	3.2 ±0.5	3.5
1992	169	3.5 ±0.5	3.5
1993	136	2.8 ±0.5	3.4
1994	181	3.7 ±0.5	3.4
1995	143	2.8 ±0.5	3.2
1996	146	2.9 ±0.5	3.2
1997	122	2.4 ±0.4	3.1
1998	155	3.0 ±0.5	3.0
1999	108	2.1 ±0.4	2.8
2000	130	2.4 ±0.4	2.8
2001	132	2.5 ±0.4	2.7
2002	114	2.1 ±0.4	2.6
2003	104	1.8 ±0.3	2.5
2004	118	2.1 ±0.4	2.4
2005	123	2.2 ±0.4	2.4
2006	101	1.8 ±0.4	2.4
2007	108	2.0 ±0.4	2.4
2008	116	2.0 ±0.4	2.4
2009	109	2.0 ±0.4	2.3
2010	126	2.2 ±0.4	---

--- Not available

F.4.

Age-Adjusted Mortality Rates Due to
Invasive Cancers of the Uterine Cervix by Race,
Female Michigan Residents, 1985-2010

Year	All Races	White	Black
1970	6.3	6.0	11.3
1971	7.3	6.2	17.2
1972	6.2	5.4	15.6
1973	6.9	5.7	18.5
1974	6.3	5.3	15.8
1975	5.4	4.6	14.1
1976	6.2	5.2	15.3
1977	4.5	3.8	12.4
1978	5.1	4.3	13.0
1979	4.2	3.5	10.9
1980	3.8	3.3	8.2
1981	4.6	4.0	9.8
1982	3.6	3.2	7.2
1983	3.4	2.8	8.4
1984	3.4	3.1	5.7
1985	3.4	3.0	7.3
1986	3.6	2.8	9.3
1987	3.3	3.1	5.7
1988	3.4	3.0	6.5
1989	3.8	3.3	7.1
1990	3.6	3.2	6.8
1991	3.2	2.6	6.5
1992	3.5	2.9	8.3
1993	2.8	2.5	5.0
1994	3.7	3.4	5.6
1995	2.8	2.5	4.8
1996	2.9	2.6	4.5
1997	2.4	2.1	4.1
1998	3.0	2.6	5.5
1999	2.1	2.1	*
2000	2.4	2.2	3.6
2001	2.5	2.2	4.5
2002	2.1	1.7	4.2
2003	1.8	1.7	3.0
2004	2.1	1.9	3.8
2005	2.2	1.7	5.4
2006	1.8	1.5	3.6
2007	2.0	1.6	4.3
2008	2.0	1.8	3.2
2009	2.0	1.7	3.9
2010	2.2	2.0	3.7

* Statistic not displayed due to less than 25 cases.

F.5.

Numbers and Percents of Cancers of the Uterine Cervix
by Stage and Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	2,098	1,580	75.3	248	11.8	115	5.5	51	2.4	104	5.0
1986	2,194	1,650	75.2	256	11.7	125	5.7	52	2.4	111	5.1
1987	2,379	1,858	78.1	220	9.2	131	5.5	45	1.9	125	5.3
1988	2,521	1,905	75.6	278	11.0	156	6.2	47	1.9	135	5.4
1989	2,712	2,107	77.7	275	10.1	161	5.9	43	1.6	126	4.6
1990	3,157	2,497	79.1	319	10.1	163	5.2	37	1.2	141	4.5
1991	3,317	2,737	82.5	282	8.5	137	4.1	30	0.9	131	3.9
1992	3,064	2,506	81.8	272	8.9	143	4.7	47	1.5	96	3.1
1993	3,146	2,613	83.1	273	8.7	120	3.8	40	1.3	100	3.2
1994	3,063	2,558	83.5	259	8.5	131	4.3	30	1.0	85	2.8
1995	3,252	2,766	85.1	246	7.6	119	3.7	33	1.0	88	2.7
1996	3,465	2,941	84.9	287	8.3	131	3.8	32	0.9	74	2.1
1997	3,323	2,779	83.6	292	8.8	131	3.9	39	1.2	82	2.5
1998	3,399	2,894	85.1	256	7.5	126	3.7	44	1.3	79	2.3
1999	3,350	2,901	86.6	242	7.2	101	3.0	30	0.9	76	2.3
2000	3,544	3,085	87.0	233	6.6	108	3.0	45	1.3	73	2.1
2001	3,398	2,935	86.4	230	6.8	119	3.5	47	1.4	67	2.0
2002	3,434	3,019	87.9	197	5.7	120	3.5	40	1.2	58	1.7
2003	3,360	2,941	87.5	195	5.8	122	3.6	39	1.2	63	1.9
2004	3,159	2,788	88.3	169	5.3	116	3.7	27	0.9	59	1.9
2005	3,111	2,735	87.9	188	6.0	101	3.2	38	1.2	49	1.6
2006	2,924	2,536	86.7	182	6.2	119	4.1	48	1.6	39	1.3
2007	2,994	2,576	86.0	196	6.5	147	4.9	34	1.1	41	1.4
2008	2,975	2,611	87.8	163	5.5	111	3.7	48	1.6	42	1.4
2009	3,183	2,819	88.6	177	5.6	114	3.6	43	1.4	30	0.9

F.6.

Numbers and Percents of Cancers of the Uterine Cervix
by Stage and Year of Diagnosis,
White Female Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	1,587	1,182	74.5	195	12.3	89	5.6	40	2.5	81	5.1
1986	1,686	1,255	74.4	207	12.3	101	6.0	34	2.0	89	5.3
1987	1,845	1,449	78.5	181	9.8	99	5.4	29	1.6	87	4.7
1988	1,996	1,512	75.8	234	11.7	113	5.7	35	1.8	102	5.1
1989	2,205	1,709	77.5	235	10.7	128	5.8	30	1.4	103	4.7
1990	2,489	1,957	78.6	263	10.6	128	5.1	27	1.1	114	4.6
1991	2,548	2,103	82.5	227	8.9	105	4.1	20	0.8	93	3.6
1992	2,347	1,903	81.1	229	9.8	115	4.9	34	1.4	66	2.8
1993	2,420	2,011	83.1	221	9.1	87	3.6	25	1.0	76	3.1
1994	2,283	1,887	82.7	207	9.1	99	4.3	24	1.1	66	2.9
1995	2,398	2,029	84.6	191	8.0	94	3.9	26	1.1	58	2.4
1996	2,479	2,078	83.8	229	9.2	98	4.0	25	1.0	49	2.0
1997	2,406	1,989	82.7	243	10.1	92	3.8	27	1.1	55	2.3
1998	2,469	2,082	84.3	203	8.2	92	3.7	34	1.4	58	2.3
1999	2,346	2,000	85.3	192	8.2	77	3.3	24	1.0	53	2.3
2000	2,577	2,215	86.0	191	7.4	85	3.3	32	1.2	54	2.1
2001	2,473	2,113	85.4	182	7.4	86	3.5	34	1.4	58	2.3
2002	2,378	2,059	86.6	166	7.0	81	3.4	30	1.3	42	1.8
2003	2,218	1,911	86.2	140	6.3	87	3.9	32	1.4	48	2.2
2004	1,986	1,713	86.3	129	6.5	82	4.1	20	1.0	42	2.1
2005	2,097	1,801	85.9	156	7.4	73	3.5	30	1.4	37	1.8
2006	2,013	1,709	84.9	147	7.3	89	4.4	36	1.8	32	1.6
2007	2,070	1,746	84.3	156	7.5	115	5.6	21	1.0	32	1.5
2008	2,034	1,761	86.6	133	6.5	77	3.8	29	1.4	34	1.7
2009	2,158	1,874	86.8	140	6.5	88	4.1	34	1.6	22	1.0

F.7.

Numbers and Percents of Cancers of the Uterine Cervix
by Stage and Year of Diagnosis,
Black Female Michigan Residents, 1985-2009

Year of Diagnosis	Total	In Situ		Localized		Regional		Distant		Invasive, Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	341	241	70.7	47	13.8	25	7.3	10	2.9	18	5.3
1986	292	200	68.5	41	14.0	23	7.9	18	6.2	10	3.4
1987	329	228	69.3	32	9.7	29	8.8	16	4.9	24	7.3
1988	308	202	65.6	41	13.3	40	13.0	11	3.6	14	4.5
1989	310	218	70.3	36	11.6	30	9.7	13	4.2	13	4.2
1990	394	287	72.8	47	11.9	32	8.1	9	2.3	19	4.8
1991	457	341	74.6	49	10.7	32	7.0	10	2.2	25	5.5
1992	372	279	75.0	35	9.4	28	7.5	12	3.2	18	4.8
1993	398	293	73.6	45	11.3	31	7.8	15	3.8	14	3.5
1994	422	326	77.3	46	10.9	31	7.3	5	1.2	14	3.3
1995	498	402	80.7	50	10.0	23	4.6	7	1.4	16	3.2
1996	556	462	83.1	46	8.3	28	5.0	6	1.1	14	2.5
1997	548	441	80.5	43	7.8	34	6.2	10	1.8	20	3.6
1998	533	434	81.4	47	8.8	30	5.6	9	1.7	13	2.4
1999	582	492	84.5	42	7.2	21	3.6	5	0.9	22	3.8
2000	523	443	84.7	34	6.5	22	4.2	11	2.1	13	2.5
2001	515	424	82.3	42	8.2	31	6.0	12	2.3	6	1.2
2002	479	400	83.5	26	5.4	35	7.3	8	1.7	10	2.1
2003	482	395	82.0	41	8.5	30	6.2	7	1.5	9	1.9
2004	476	392	82.4	34	7.1	30	6.3	6	1.3	14	2.9
2005	442	375	84.8	25	5.7	27	6.1	7	1.6	8	1.8
2006	417	345	82.7	27	6.5	27	6.5	12	2.9	6	1.4
2007	479	397	82.9	32	6.7	30	6.3	13	2.7	7	1.5
2008	449	369	82.2	24	5.3	31	6.9	19	4.2	6	1.3
2009	491	429	87.4	29	5.9	18	3.7	8	1.6	7	1.4

F.8.

Numbers and Percents of Invasive Cancers of the Uterine Cervix by Race and First Course of Treatment, Female Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	142	39.0	120	42.3	17	27.4
Radiation	12	3.3	7	2.5	5	8.1
Chemotherapy	10	2.7	5	1.8	5	8.1
Surgery & Radiation	13	3.6	11	3.9	2	3.2
Surgery & Chemotherapy	7	1.9	6	2.1	1	1.6
Radiation & Chemotherapy	86	23.6	66	23.2	14	22.6
Surgery, Radiation & Chemotherapy	39	10.7	30	10.6	5	8.1
Radiation, Chemotherapy & Hormone Therapy	1	0.3	1	0.4	0	0.0
Surgery, Radiation, Chemotherapy & Hormone Therapy	2	0.5	1	0.4	0	0.0
Unknown	11	3.0	8	2.8	2	3.2
None	41	11.3	29	10.2	11	17.7
Total	364	100.0	284	100.0	62	100.0

F.9.

1-Year Relative Survival Rates for Cancers of the Uterine Cervix by Year of Diagnosis, Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	86.7	1.7	89.4	0.8	98.9	0.9	98.6	0.5	79.8	3.9	83.9	1.7	36.2	8.8	45.4	4.8	79.2	5.0	84.1	3.6
1996	90.2	1.5	89.2	0.8	99.3	0.8	99.0	0.4	84.6	3.5	83.5	1.6	46.3	9.5	47.1	4.2	84.1	4.8	87.7	3.2
1997	88.5	1.5	89.4	0.8	97.3	1.1	98.6	0.5	83.2	3.5	85.0	1.6	36.0	8.3	52.9	4.2	89.5	4.0	85.2	3.3
1998	88.3	1.6	88.8	0.8	96.9	1.2	98.6	0.5	89.8	3.1	86.4	1.6	47.3	8.0	49.1	4.0	79.1	5.4	72.4	4.4
1999	91.7	1.5	89.9	0.8	100.0	0.5	99.0	0.4	88.4	3.5	85.5	1.6	43.7	9.5	48.7	4.5	87.4	4.4	85.0	3.7
2000	86.1	1.8	88.2	0.6	97.6	1.2	98.2	0.4	84.1	3.8	85.2	1.1	40.1	7.6	44.6	2.9	80.4	5.7	75.8	3.2
2001	87.6	1.7	88.2	0.6	97.4	1.3	98.2	0.4	85.4	3.6	85.5	1.1	48.2	8.0	49.0	2.8	83.5	5.2	78.7	3.6
2002	87.5	1.8	88.0	0.6	97.1	1.4	98.2	0.4	90.8	3.1	86.3	1.0	42.7	8.4	49.4	2.7	79.3	6.0	81.2	3.3
2003	84.9	1.9	86.6	0.6	97.6	1.3	97.6	0.4	87.8	3.2	84.2	1.1	35.8	8.7	48.9	2.7	66.8	6.7	78.5	3.4
2004	86.7	1.9	87.8	0.6	97.9	1.3	98.2	0.4	89.3	3.0	85.6	1.0	65.2	9.8	50.6	2.8	57.8	7.0	81.3	3.5
2005	84.3	2.1	87.4	0.6	96.0	1.6	98.5	0.4	81.5	4.2	85.5	1.1	40.1	8.7	48.5	2.8	76.2	7.1	78.5	3.9
2006	84.7	2.0	86.7	0.6	96.0	1.6	97.9	0.4	86.2	3.5	85.5	1.1	41.5	7.5	47.9	2.7	82.2	8.2	73.7	4.0
2007	87.0	1.8	87.8	0.6	96.4	1.6	98.1	0.4	89.8	2.9	86.9	1.0	38.5	9.2	49.3	2.7	72.0	7.7	79.2	3.8
2008	82.4	2.2	86.8	0.6	94.9	1.9	98.4	0.4	89.8	3.2	87.2	1.0	28.2	6.9	46.5	2.5	75.7	8.0	75.7	4.3
2009	78.7	3.3	86.1	0.9	94.8	2.8	97.7	0.6	77.2	5.9	87.9	1.4	45.1	10.2	50.5	3.3	*		73.3	5.7

* Statistic not displayed due to less than 25 cases.

F.10.

3-Year Relative Survival Rates for Cancers of the Uterine Cervix by Year of Diagnosis, Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	73.1	2.2	76.0	1.1	92.7	1.9	93.5	0.9	55.7	4.9	59.4	2.3	6.6	4.5	19.2	3.9	64.4	6.1	67.0	4.7
1996	77.0	2.1	76.5	1.1	89.9	2.1	94.7	0.9	64.9	4.6	60.5	2.1	22.2	8.1	23.7	3.7	71.8	6.0	71.0	4.5
1997	73.6	2.1	75.6	1.1	90.6	2.0	95.1	0.9	53.4	4.7	58.6	2.2	9.2	5.1	24.0	3.7	74.8	5.7	67.6	4.3
1998	75.9	2.1	76.2	1.1	91.0	2.0	93.4	0.9	63.4	4.9	64.0	2.2	13.0	5.4	25.3	3.6	78.6	5.6	59.8	5.0
1999	79.7	2.1	77.6	1.1	96.0	1.7	95.4	0.8	64.5	5.2	63.0	2.2	11.1	6.0	17.7	3.4	74.9	5.9	73.3	4.8
2000	72.1	2.3	76.3	0.8	90.4	2.2	94.1	0.6	59.0	5.2	64.1	1.5	19.1	6.1	22.5	2.5	65.4	6.9	61.8	3.7
2001	75.3	2.3	75.2	0.8	91.3	2.2	93.9	0.7	66.4	4.9	62.6	1.5	20.6	6.5	24.2	2.4	72.1	6.4	65.1	4.3
2002	76.0	2.4	74.0	0.8	93.6	2.1	93.7	0.7	69.6	4.8	63.9	1.4	20.5	7.0	21.6	2.3	67.5	7.1	66.3	4.1
2003	73.1	2.4	74.4	0.8	95.2	1.9	94.5	0.7	64.2	4.6	64.0	1.5	16.4	6.7	21.7	2.3	55.6	7.1	66.6	3.9
2004	72.1	2.5	73.2	0.8	94.5	2.0	93.5	0.7	61.7	4.7	62.6	1.5	25.4	9.0	21.1	2.3	48.4	7.2	66.8	4.3
2005	71.6	2.6	72.3	0.9	89.8	2.5	93.1	0.8	56.2	5.4	62.1	1.5	15.7	6.5	23.9	2.4	74.4	7.4	59.9	4.8
2006	71.1	2.6	74.0	0.8	92.4	2.3	93.7	0.7	67.6	4.8	66.4	1.5	7.0	3.9	21.0	2.2	62.0	10.1	57.8	4.6
2007	75.4	2.7	70.8	1.0	92.7	2.5	93.3	0.8	70.1	5.0	59.5	1.7	18.9	8.3	18.5	2.4	58.3	9.3	61.5	5.1

F.11.

5-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	70.3	2.3	71.7	1.2	90.9	2.2	91.4	1.1	50.6	5.0	52.0	2.4	0.0	0.0	13.6	3.5	63.8	6.4	58.9	5.0
1996	72.2	2.3	72.0	1.1	87.7	2.4	92.3	1.0	55.0	4.9	53.1	2.2	18.7	7.6	18.2	3.4	65.4	6.5	64.1	4.9
1997	68.3	2.3	70.8	1.2	86.6	2.4	93.3	1.0	43.7	4.8	50.2	2.3	3.1	3.1	15.0	3.2	73.1	5.9	61.5	4.6
1998	70.4	2.3	71.6	1.2	88.4	2.3	91.7	1.1	51.7	5.1	55.8	2.3	5.4	3.7	13.7	2.9	72.9	6.2	57.2	5.1
1999	74.6	2.4	73.6	1.2	94.0	2.1	92.8	1.0	48.9	5.5	55.8	2.3	11.1	6.0	14.8	3.2	71.4	6.2	71.2	5.0
2000	70.4	2.4	71.3	0.8	88.4	2.5	91.0	0.8	56.2	5.4	56.4	1.6	19.1	6.1	16.9	2.3	64.3	7.1	54.0	3.9
2001	73.5	2.4	70.6	0.8	89.9	2.4	91.2	0.8	63.9	5.1	56.1	1.6	15.7	5.9	17.3	2.2	71.6	6.6	57.2	4.6
2002	72.5	2.5	69.0	0.9	91.0	2.5	90.8	0.8	63.9	5.1	56.5	1.5	17.7	6.6	15.9	2.1	64.4	7.4	59.4	4.3
2003	69.3	2.6	68.9	0.9	92.2	2.4	91.3	0.8	57.2	4.8	55.0	1.6	10.0	5.5	17.8	2.1	55.6	7.1	60.6	4.2
2004	66.8	2.7	67.4	0.9	91.5	2.6	89.7	0.9	54.6	4.9	55.0	1.5	17.1	7.8	14.2	2.0	43.0	7.2	57.8	4.6
2005	67.4	2.8	68.2	1.0	86.7	3.1	91.2	0.9	49.5	5.9	55.8	1.6	+		18.5	2.4	+		52.9	5.3

+ Statistic could not be calculated.

F.12.

1-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
White Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	87.6	1.8	90.3	0.9	98.2	1.1	98.9	0.5	79.6	4.5	84.7	2.0	*		48.3	5.6	83.9	5.7	85.0	4.4
1996	91.1	1.6	89.2	0.9	99.3	0.9	99.0	0.5	85.8	3.9	83.1	1.9	*		48.8	4.8	81.7	6.3	87.6	4.0
1997	87.5	1.8	88.9	0.9	97.1	1.3	98.3	0.6	77.7	4.6	83.2	2.0	*		49.2	5.0	89.6	4.8	87.8	3.8
1998	88.9	1.7	89.6	0.9	95.9	1.5	98.4	0.6	91.7	3.3	88.4	1.7	51.0	9.0	49.8	4.8	80.9	6.0	73.9	5.1
1999	92.2	1.6	90.0	0.9	100.0	0.6	98.9	0.5	87.7	4.1	85.2	1.9	*		49.4	5.0	90.3	4.8	85.6	4.6
2000	88.1	1.9	88.6	0.6	97.4	1.4	98.5	0.4	86.0	4.1	85.9	1.2	43.9	9.2	44.7	3.3	83.7	6.5	75.8	3.7
2001	88.9	1.8	89.0	0.6	98.8	1.0	98.3	0.4	86.4	4.0	85.9	1.2	43.6	9.5	51.5	3.2	85.4	5.2	79.7	4.4
2002	88.3	2.0	88.6	0.7	97.8	1.4	98.7	0.4	92.9	3.5	86.0	1.2	41.6	9.6	54.1	3.1	74.9	7.7	80.4	3.7
2003	85.3	2.2	87.2	0.7	98.7	1.2	98.3	0.4	91.1	3.3	83.8	1.3	32.2	9.4	49.9	3.2	64.8	8.0	79.4	4.0
2004	88.4	2.1	88.4	0.7	98.8	1.2	98.4	0.4	92.0	3.2	86.0	1.2	*		52.3	3.3	58.1	8.5	77.6	4.4
2005	84.2	2.3	87.5	0.7	95.8	1.8	98.8	0.4	80.6	5.0	85.6	1.2	45.4	9.8	50.0	3.2	68.5	9.4	71.3	5.1
2006	85.3	2.3	87.4	0.7	98.0	1.4	98.5	0.4	84.4	4.2	86.3	1.2	41.8	8.6	48.8	3.1	*		70.1	4.8
2007	89.0	2.0	88.4	0.7	96.2	1.7	97.8	0.5	88.6	3.4	87.9	1.1	*		48.9	3.2	85.2	7.1	82.8	4.4
2008	85.9	2.3	87.5	0.7	95.4	2.0	98.5	0.4	92.1	3.5	87.4	1.2	38.8	9.6	48.8	3.0	72.8	9.1	71.2	5.6
2009	79.6	3.7	86.7	1.0	95.1	2.9	97.7	0.7	75.5	6.9	88.2	1.6	52.6	11.9	51.8	3.9	*		71.0	6.9

* Statistic not displayed due to less than 25 cases.

F.13.

3-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
White Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	73.0	2.5	77.7	1.3	91.9	2.2	93.9	1.1	55.7	5.5	60.2	2.7	*		23.8	4.9	65.9	7.4	72.3	5.6
1996	77.9	2.3	76.7	1.2	90.1	2.3	94.9	1.0	66.9	5.3	59.7	2.5	*		24.0	4.3	68.3	7.7	69.6	5.7
1997	72.5	2.4	75.7	1.3	89.7	2.2	95.2	1.0	44.7	5.6	57.3	2.6	*		21.6	4.3	72.4	7.1	67.9	5.4
1998	76.3	2.4	77.8	1.2	90.6	2.3	94.0	1.0	64.6	5.6	66.9	2.5	9.8	5.4	26.7	4.4	80.9	6.0	59.9	5.8
1999	80.1	2.4	77.5	1.3	96.7	1.7	95.2	0.9	63.7	5.9	62.2	2.6	*		17.1	3.8	73.6	7.0	73.4	5.9
2000	72.2	2.6	77.1	0.9	89.6	2.5	94.5	0.7	56.5	5.8	64.7	1.7	20.5	7.5	23.0	2.8	63.7	8.3	60.5	4.3
2001	77.1	2.5	76.8	0.9	93.3	2.2	94.4	0.7	66.8	5.5	64.5	1.7	18.4	7.5	25.0	2.9	72.7	6.6	66.0	5.3
2002	77.9	2.7	75.4	0.9	94.0	2.2	95.0	0.7	72.3	5.8	64.7	1.7	23.4	8.4	23.3	2.7	62.8	8.8	65.0	4.5
2003	73.1	2.8	75.6	0.9	95.4	2.2	95.5	0.7	67.4	5.4	64.0	1.7	16.2	7.4	23.6	2.8	51.5	8.4	67.6	4.7
2004	74.6	2.9	74.4	0.9	96.7	1.9	94.1	0.8	62.4	5.6	63.3	1.7	*		21.8	2.8	50.2	8.7	66.8	5.1
2005	71.4	2.9	73.3	1.0	90.4	2.7	94.0	0.8	53.4	6.3	63.1	1.7	19.3	7.8	25.6	2.8	65.3	9.8	52.4	5.9
2006	72.5	2.9	75.1	0.9	94.8	2.2	94.8	0.8	67.6	5.5	67.6	1.7	3.0	3.0	20.9	2.6	*		56.2	5.3
2007	78.7	2.8	72.2	1.1	91.5	3.0	93.1	1.0	71.7	5.6	61.4	2.0	*		20.5	3.0	+		62.5	6.3

* Statistic not displayed due to less than 25 cases.

+ Statistic could not be calculated.

F.14.

5-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
White Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	70.2	2.6	73.2	1.4	90.5	2.4	91.7	1.2	48.8	5.7	52.7	2.8	*		17.3	4.5	65.8	7.8	63.0	6.2
1996	73.2	2.6	72.8	1.3	88.9	2.5	92.8	1.2	54.5	5.7	53.3	2.6	*		16.7	3.8	61.7	8.1	65.7	6.1
1997	67.3	2.6	71.6	1.4	86.0	2.6	93.4	1.2	34.6	5.4	49.5	2.7	*		17.4	4.1	68.2	7.4	62.8	5.7
1998	70.8	2.6	72.7	1.4	88.9	2.5	91.9	1.2	52.4	6.0	58.2	2.7	3.4	3.3	12.6	3.4	71.8	7.0	57.3	6.0
1999	75.5	2.6	74.1	1.3	95.1	2.0	93.3	1.1	49.2	6.2	55.7	2.7	*		15.2	3.6	70.2	7.4	69.4	6.4
2000	71.4	2.7	72.6	0.9	89.0	2.7	91.9	0.8	53.7	6.0	57.5	1.8	20.5	7.5	18.5	2.6	63.7	8.3	52.8	4.5
2001	75.4	2.6	72.7	0.9	91.9	2.5	92.5	0.8	64.4	5.8	58.0	1.8	14.9	6.9	18.7	2.6	71.7	6.8	58.5	5.5
2002	74.4	2.8	70.8	1.0	91.3	2.7	92.6	0.9	67.7	6.1	57.1	1.8	19.6	7.9	17.6	2.4	57.8	9.1	59.9	4.8
2003	69.2	3.0	70.2	1.0	93.4	2.6	92.2	0.9	59.5	5.7	55.3	1.8	8.2	5.5	19.1	2.6	51.5	8.4	62.8	4.9
2004	68.7	3.1	68.5	1.0	92.3	2.9	90.4	1.0	55.7	5.9	55.3	1.8	*		14.6	2.4	42.1	8.7	57.8	5.5
2005	67.3	3.2	69.4	1.1	87.9	3.2	92.4	1.0	45.5	6.9	56.8	1.9	+		20.2	2.8	+		+	

* Statistic not displayed due to less than 25 cases.

+ Statistic could not be calculated.

F.15.

1-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
Black Female Michigan Residents, 1995-2009

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	80.9	4.4	83.5	2.6	100.0	0.0	99.7	1.3	*		78.3	4.9	*		36.8	9.8	*		*	
1996	84.3	4.2	83.1	2.6	98.7	2.6	98.2	1.8	77.3	8.7	76.8	4.8	*		*		*		90.4	6.7
1997	91.9	3.0	89.7	2.2	98.2	2.8	99.1	1.4	95.1	4.2	91.8	3.4	*		*		*		80.4	7.9
1998	83.9	4.2	82.2	2.7	100.0	0.0	99.3	1.3	*		77.8	4.9	*		*		*		*	
1999	90.6	3.7	87.1	2.4	100.0	0.0	98.5	1.5	*		80.5	4.8	*		*		*		*	
2000	74.1	5.5	85.4	1.7	97.9	3.6	96.5	1.4	*		83.4	2.8	*		40.5	8.1	*		71.7	8.2
2001	80.0	4.8	82.2	1.9	90.7	5.0	96.2	1.6	*		80.3	3.1	*		44.1	6.6	*		74.9	8.6
2002	82.1	4.8	82.7	1.8	*		93.8	1.9	85.7	6.5	85.5	2.6	*		29.0	6.3	*		*	
2003	79.9	4.7	81.0	1.8	95.6	4.2	93.6	1.9	75.6	8.2	83.0	2.7	*		38.8	6.2	*		71.2	8.2
2004	82.6	4.4	84.2	1.8	97.4	3.4	96.8	1.4	83.9	6.8	82.3	2.9	*		42.7	6.6	*		93.8	5.3
2005	81.0	5.4	82.8	2.0	*		95.5	1.9	*		81.4	3.1	*		37.7	7.3	*		95.6	4.4
2006	78.5	5.5	79.9	2.0	*		93.0	2.0	*		78.0	3.3	*		42.6	6.6	*		*	
2007	79.8	5.1	83.4	1.9	*		99.0	1.0	93.6	5.3	82.5	2.8	*		46.3	7.2	*		*	
2008	68.2	5.7	79.4	1.9	*		96.9	1.5	83.2	7.3	83.1	2.8	*		26.6	5.2	*		*	
2009	71.5	8.9	80.5	2.8	*		95.7	2.4	*		84.0	4.0	*		38.0	8.4	*		*	

* Statistic not displayed due to less than 25 cases.

F.16.

3-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
Black Female Michigan Residents, 1995-2007

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	69.3	5.4	67.0	3.4	95.3	4.4	92.5	3.2	*		52.8	6.0	*		8.5	5.8	*		*	
1996	68.0	5.6	66.0	3.4	85.6	6.4	91.2	3.5	54.4	10.5	48.2	5.8	*		*		*		77.7	9.7
1997	73.6	4.8	72.0	3.2	93.4	4.7	97.2	2.2	69.5	8.6	55.4	6.0	*		*		*		64.3	9.8
1998	68.9	5.4	63.9	3.4	91.4	5.1	88.4	3.5	*		48.5	5.9	*		*		*		*	
1999	79.4	5.2	74.3	3.2	93.6	5.7	93.3	2.7	*		55.6	6.1	*		*		*		*	
2000	67.3	6.1	69.6	2.2	93.2	6.1	90.6	2.3	*		57.9	3.7	*		14.2	5.9	*		56.8	9.0
2001	65.5	5.8	63.8	2.4	81.5	6.8	88.9	2.6	*		50.9	4.1	*		19.4	5.4	*		56.6	10.2
2002	65.3	6.0	66.0	2.3	*		83.2	2.9	61.9	9.0	61.0	3.6	*		15.7	5.1	*		*	
2003	66.9	5.7	65.7	2.2	93.8	5.2	89.7	2.5	47.7	9.7	59.6	3.6	*		13.4	4.4	*		56.5	9.1
2004	63.9	5.7	66.2	2.3	87.7	6.5	90.0	2.4	61.3	9.1	56.2	3.8	*		18.2	5.2	*		62.6	10.2
2005	69.4	6.4	63.0	2.5	*		82.2	3.4	*		56.3	3.9	*		15.2	5.6	*		79.2	8.2
2006	63.9	6.6	64.7	2.5	*		86.1	2.8	*		57.5	4.1	*		21.8	5.6	*		*	
2007	62.3	7.2	62.2	2.7	*		93.1	2.5	66.0	11.8	50.5	4.3	*		13.7	5.6	*		*	

* Statistic not displayed due to less than 25 cases.

F.17.

5-Year Relative Survival Rates for
Cancers of the Uterine Cervix by Year of Diagnosis,
Black Female Michigan Residents, 1995-2005

Year of Diagnosis	All Stages				Localized				Regional				Distant				Unknown			
	Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER		Michigan		SEER	
	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE	Rate	SE
1995	65.9	5.8	61.5	3.5	91.5	5.9	88.7	3.9	*		45.2	6.1	*		4.4	4.3	*		*	
1996	64.0	6.0	60.3	3.6	80.2	7.5	85.9	4.2	54.4	10.5	40.6	5.9	*		*		*		69.2	11.3
1997	68.9	5.2	65.1	3.5	87.2	6.5	93.7	3.5	61.0	9.1	45.6	6.1	*		*		*		54.9	10.4
1998	63.3	5.7	59.8	3.5	86.5	6.3	88.4	3.5	*		38.3	5.8	*		*		*		*	
1999	73.6	5.9	69.3	3.5	88.5	7.5	88.9	3.8	*		48.6	6.3	*		*		*		*	
2000	59.8	6.5	61.8	2.4	80.4	8.8	84.6	2.9	*		48.5	3.8	*		5.7	4.0	*		48.4	9.4
2001	62.5	6.1	57.3	2.5	79.5	7.2	83.2	3.1	*		45.0	4.1	*		9.9	4.2	*		47.5	10.7
2002	60.8	6.2	59.7	2.4	*		78.6	3.3	53.3	9.4	53.9	3.8	*		9.9	4.2	*		*	
2003	61.5	6.0	60.1	2.4	87.1	7.1	86.7	2.8	41.3	9.7	49.4	3.7	*		13.4	4.4	*		50.0	9.4
2004	59.5	5.9	60.3	2.4	87.7	6.5	85.8	2.9	51.9	9.5	49.2	3.9	*		8.7	3.9	*		58.5	10.4
2005	63.3	7.2	57.6	2.8	*		79.1	4.0	*		50.9	4.1	*		8.6	5.0	*		64.0	10.5

* Statistic not displayed due to less than 25 cases.

Cancer Incidence, Mortality and Survival Tables

G. In Situ Cancers of the Uterine Cervix

G.1.

Numbers of In Situ Cancers of the Uterine Cervix and
Age-Adjusted Incidence Rates by Year of Diagnosis,
Female Michigan Residents, 1985-2009

Year of Diagnosis	Number	Rate
1985	1,580	31.8 ±1.6
1986	1,650	32.2 ±1.6
1987	1,858	36.1 ±1.7
1988	1,905	36.6 ±1.7
1989	2,107	40.6 ±1.8
1990	2,497	48.2 ±1.9
1991	2,737	52.2 ±2.0
1992	2,506	47.7 ±1.9
1993	2,613	50.3 ±1.9
1994	2,558	49.4 ±1.9
1995	2,766	53.6 ±2.0
1996	2,941	56.6 ±2.0
1997	2,779	53.7 ±2.0
1998	2,894	56.3 ±2.1
1999	2,901	56.9 ±2.1
2000	3,085	61.9 ±2.2
2001	2,935	59.1 ±2.1
2002	3,019	61.1 ±2.2
2003	2,941	59.9 ±2.2
2004	2,788	57.1 ±2.1
2005	2,735	56.3 ±2.1
2006	2,536	52.3 ±2.0
2007	2,576	53.7 ±2.1
2008	2,611	55.1 ±2.1
2009	2,819	60.4 ±2.2

G.2.

Age-Adjusted Incidence Rates for
In Situ Cancers of the Uterine Cervix by Race,
Female Michigan Residents, 1985-2009

Year	All Races	White	Black
1985	31.8	28.0	39.5
1986	32.2	29.1	29.9
1987	36.1	33.4	34.0
1988	36.6	34.6	29.5
1989	40.6	39.3	31.2
1990	48.2	45.4	39.8
1991	52.2	48.2	46.2
1992	47.7	43.8	37.5
1993	50.3	46.8	39.1
1994	49.4	44.2	42.8
1995	53.6	47.7	53.0
1996	56.6	48.7	59.2
1997	53.7	47.0	56.4
1998	56.3	49.6	55.3
1999	56.9	48.1	63.3
2000	61.9	55.3	56.6
2001	59.1	53.0	54.0
2002	61.1	52.2	50.5
2003	59.9	48.8	50.2
2004	57.1	44.0	50.0
2005	56.3	46.4	47.9
2006	52.3	44.3	44.1
2007	53.7	45.8	50.6
2008	55.1	46.8	47.8
2009	60.4	50.6	56.7

G.3.

Numbers and Percents of In Situ Cancers of the Uterine Cervix
by Race and First Course of Treatment,
Female Michigan Residents, 2009

First Course of Treatment	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Surgery	2,304	81.7	1,576	84.1	360	83.9
Immunotherapy	1	0.0	0	0.0	0	0.0
Unknown	134	4.8	64	3.4	7	1.6
None	380	13.5	234	12.5	62	14.5
Total	2,819	100.0	1,874	100.0	429	100.0



Cancer Incidence, Mortality and Survival Tables

H. Cancer Incidence and Mortality by County, Economic Development Collaborative and Health Department of Residence

H.1.

Numbers of Invasive Cancers (All Sites) and Deaths
and Age-Adjusted Rates by County of Residence,
Michigan Residents, 2005-2009

County	Incidence			Deaths		
	Number	Rate		Number	Rate	
Alcona	501	475.2		190	170.0	
Alger	355	497.5		145	196.1	
Allegan	2,916	508.6	↑	1,016	181.5	
Alpena	1,118	551.1	↑	368	172.8	
Antrim	751	417.0	↓	299	162.3	↓
Arenac	601	514.9		239	204.7	
Baraga	231	408.1	↓	114	197.3	
Barry	1,406	422.7	↓	612	190.3	
Bay	3,472	524.4	↑	1,353	198.1	↑
Benzie	592	482.4		210	167.3	
Berrien	4,828	505.8	↑	1,837	186.7	
Branch	1,194	454.0	↓	496	188.6	
Calhoun	3,675	469.9	↓	1,582	200.2	↑
Cass	1,213	379.9	↓	676	209.2	↑
Charlevoix	848	491.9		334	188.1	
Cheboygan	961	496.0		388	193.1	
Chippewa	889	408.6	↓	370	171.9	
Clare	1,095	492.9		478	215.9	↑
Clinton	1,362	355.9	↓	574	156.3	↓
Crawford	486	472.8		201	194.6	
Delta	969	378.0	↓	504	184.7	
Dickinson	678	361.7	↓	337	167.3	
Eaton	2,307	383.5	↓	1,059	180.9	
Emmet	1,016	504.9		346	170.3	
Genesee	12,896	560.0	↑	4,689	206.4	↑
Gladwin	999	493.9		400	192.4	
Gogebic	389	293.8	↓	289	207.5	
Grand Traverse	2,722	553.0	↑	780	157.5	↓
Gratiot	1,155	485.0		428	176.9	
Hillsdale	1,181	431.2	↓	492	179.2	
Houghton	939	465.2		364	171.3	
Huron	1,256	492.0		466	170.8	
Ingham	6,895	554.7	↑	2,147	177.9	
Ionia	1,375	449.2	↓	524	178.9	
Iosco	1,072	480.7		440	186.4	
Iron	377	360.6	↓	202	178.4	
Isabella	1,311	484.8		531	201.2	↑
Jackson	4,566	511.7	↑	1,833	203.4	↑
Kalamazoo	5,751	472.0	↓	2,308	188.4	
Kalkaska	514	494.5		213	208.9	
Kent	13,390	482.2		4,549	165.2	↓
Keweenaw	68	393.9		32	184.1	
Lake	459	482.5		186	197.5	

County	Incidence			Deaths		
	Number	Rate		Number	Rate	
Lapeer	2,322	492.8		861	191.4	
Leelanau	701	415.9	↓	251	144.5	↓
Lenawee	2,314	405.2	↓	1,066	188.4	
Livingston	3,763	406.3	↓	1,508	177.0	
Luce	196	442.2		74	169.8	
Mackinac	379	442.4		175	193.7	
Macomb	23,636	492.1		8,843	181.4	
Manistee	893	497.8		358	189.8	
Marquette	1,675	441.7	↓	678	174.2	
Mason	821	416.6	↓	353	172.1	
Mecosta	1,114	474.9		391	167.7	
Menominee	389	233.9	↓	312	177.5	
Midland	1,922	408.7	↓	845	176.8	
Missaukee	423	441.3	↓	162	166.6	
Monroe	3,174	378.4	↓	1,532	186.7	
Montcalm	1,674	482.5		645	187.0	
Montmorency	521	576.7	↑	185	209.7	
Muskegon	4,555	488.7		1,810	193.5	↑
Newaygo	1,326	471.5		537	192.5	
Oakland	32,852	492.1	↑	10,757	163.2	↓
Oceana	677	413.9	↓	275	164.5	↓
Ogemaw	736	456.5		322	197.5	
Ontonagon	220	350.9	↓	122	184.8	
Osceola	880	595.7	↑	285	196.6	
Oscoda	287	421.3	↓	137	186.2	
Otsego	729	482.4		272	179.6	
Ottawa	5,092	414.8	↓	1,807	149.8	↓
Presque Isle	558	482.0		227	177.3	
Roscommon	1,205	537.7	↑	450	192.1	
Saginaw	5,878	502.4	↑	2,326	196.3	↑
St. Clair	4,759	498.3		1,903	199.4	↑
St. Joseph	1,490	426.0	↓	670	191.8	
Sanilac	1,213	435.7	↓	510	179.2	
Schoolcraft	277	438.8		137	206.6	
Shiawassee	2,023	510.0	↑	767	193.3	
Tuscola	1,664	491.7		683	201.5	↑
Van Buren	1,858	438.3	↓	870	210.5	↑
Washtenaw	7,241	470.8	↓	2,291	157.2	↓
Wayne	52,042	518.0	↑	20,313	201.6	↑
Wexford	1,018	537.6	↑	325	168.3	
Michigan	265,661	485.6		100,636	184.0	

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

H.2.

Numbers of Invasive Cancers (All Sites) and Deaths and
Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence,
Michigan Residents, 2005-2009

EDC	Incidence			Deaths		
	Number	Rate		Number	Rate	
1	8,031	392.5	↓	3,855	179.9	
2	9,478	498.1	↑	3,278	168.3	↓
3	8,174	497.5	↑	3,180	185.7	
4	35,685	468.6	↓	12,990	172.2	↓
5	20,566	486.3		8,259	192.3	↑
6	20,009	463.4	↓	8,439	193.9	↑
7	10,564	473.9	↓	3,780	175.0	↓
8	22,000	532.6	↑	8,220	201.5	↑
9	22,239	440.7	↓	8,722	178.8	↓
10	108,530	503.8	↑	39,913	185.1	
Michigan	265,661	485.6		100,636	184.0	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

H.3.

Numbers of Invasive Cancers (All Sites) and Deaths and
Age-Adjusted Rates by Health Department of Residence,
Michigan Residents, 2005-2009

Health Department	Incidence			Deaths		
	Number	Rate		Number	Rate	
Allegan County	2,916	508.6	↑	1,016	181.5	
Barry/Eaton District	3,713	397.0	↓	1,671	183.9	
Bay County	3,472	524.4	↑	1,353	198.1	↑
Berrien County	4,828	505.8	↑	1,837	186.7	
Benzie/Leelanau District	1,293	444.2	↓	461	154.0	↓
Branch/Hillsdale/St. Joseph District	3,865	435.7	↓	1,658	186.8	
Calhoun County	3,675	469.9	↓	1,582	200.2	↑
Central Michigan District	6,091	511.4	↑	2,383	200.6	↑
Chippewa County	889	408.6	↓	370	171.9	
Detroit City	19,575	526.4	↑	8,524	231.5	↑
Delta/Menominee District	1,358	321.2	↓	816	181.7	
Dickinson / Iron District	1,055	358.8	↓	539	168.8	↓
District Health Department # 10	7,731	470.7	↓	3,001	180.7	
District Health Department # 2	2,596	462.4	↓	1,089	185.9	
District Health Department # 4	3,158	523.5	↑	1,168	184.4	
Genesee County	12,896	560.0	↑	4,689	206.4	↑
Grand Traverse County	2,722	553.0	↑	780	157.5	↓
Huron County	1,256	492.0		466	170.8	
Ingham County	6,895	554.7	↑	2,147	177.9	
Ionia County	1,375	449.2	↓	524	178.9	
Jackson County	4,566	511.7	↑	1,833	203.4	↑
Kalamazoo County	5,751	472.0	↓	2,308	188.4	
Kent County	13,390	482.2		4,549	165.2	↓
Lapeer County	2,322	492.8		861	191.4	
Lenawee County	2,314	405.2	↓	1,066	188.4	
Livingston County	3,763	406.3	↓	1,508	177.0	
Luce/Mackinac/Alger/Schoolcraft District	1,207	454.4	↓	531	193.8	
Macomb County	23,636	492.1		8,843	181.4	
Marquette County	1,675	441.7	↓	678	174.2	
Mid-Michigan District	4,191	433.8	↓	1,647	172.2	↓
Midland County	1,922	408.7	↓	845	176.8	
Monroe County	3,174	378.4	↓	1,532	186.7	
Muskegon County	4,555	488.7		1,810	193.5	↑
Northwest Michigan District	3,344	475.9		1,251	174.2	↓
Oakland County	32,852	492.1	↑	10,757	163.2	↓
Ottawa County	5,092	414.8	↓	1,807	149.8	↓
Saginaw County	5,878	502.4	↑	2,326	196.3	↑
Sanilac County	1,213	435.7	↓	510	179.2	
Shiawassee County	2,023	510.0	↑	767	193.3	
St. Clair County	4,759	498.3		1,903	199.4	↑
Tuscola County	1,664	491.7		683	201.5	↑
Van Buren/Cass District	3,071	412.7	↓	1,546	209.6	↑
Washtenaw County	7,241	470.8	↓	2,291	157.2	↓
Wayne County excluding Detroit City	32,467	513.1	↑	11,789	184.0	
Western Upper Peninsula District	1,847	395.0	↓	921	186.9	
Michigan	265,661	485.6		100,636	184.0	

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

H.4.

Numbers of Invasive Female Cancers of the Breast and Deaths
and Age-Adjusted Rates by County of Residence,
Female Michigan Residents, 2005-2009

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Alcona	63	126.6	5	*	
Alger	46	135.2	7	*	
Allegan	434	141.3	66	21.1	
Alpena	131	128.7	21	19.1	
Antrim	87	100.4	13	*	
Arenac	63	113.5	10	*	
Baraga	29	100.3	10	*	
Barry	210	123.9	33	18.7	
Bay	444	123.9	73	17.5	↓
Benzie	68	111.1	5	*	
Berrien	600	117.6	112	20.4	
Branch	136	102.1	36	25.0	
Calhoun	417	100.4	120	27.4	
Cass	145	88.7	49	28.6	
Charlevoix	102	116.6	22	22.9	
Cheboygan	108	109.3	35	33.0	
Chippewa	96	92.6	17	*	
Clare	107	100.5	24	20.9	
Clinton	177	86.2	48	23.4	
Crawford	46	95.5	12	*	
Delta	117	84.2	33	22.2	
Dickinson	94	102.2	15	*	
Eaton	290	89.2	67	19.9	
Emmet	137	133.0	17	*	
Genesee	1,715	135.7	343	26.8	↑
Gladwin	96	95.4	20	16.7	
Gogebic	58	90.5	24	33.1	
Grand Traverse	388	144.6	53	18.6	
Gratiot	120	102.9	36	30.1	
Hillsdale	146	102.7	42	28.7	
Houghton	145	141.0	26	22.1	
Huron	137	110.7	29	21.0	
Ingham	938	135.7	151	21.7	
Ionia	178	111.5	34	21.6	
Iosco	119	105.7	17	*	
Iron	43	81.5	6	*	
Isabella	175	121.6	30	20.3	
Jackson	545	118.0	114	23.1	
Kalamazoo	812	122.2	186	27.1	
Kalkaska	63	119.8	8	*	
Kent	2,069	135.7	312	19.7	↓
Keweenaw	7	*	1	*	
Lake	35	82.3	6	*	

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Lapeer	281	110.5	63	24.6	
Leelanau	77	87.1	13	*	
Lenawee	306	100.9	79	25.4	
Livingston	489	95.0	117	25.8	
Luce	26	130.5	2	*	
Mackinac	54	133.0	6	*	
Macomb	3,071	118.0	683	24.6	
Manistee	117	132.0	17	*	
Marquette	231	116.3	38	17.7	↓
Mason	106	106.8	25	21.7	
Mecosta	155	125.5	20	15.6	↓
Menominee	45	51.9	23	23.9	
Midland	270	106.9	45	16.7	↓
Missaukee	54	112.7	8	*	
Monroe	421	93.2	98	21.3	
Montcalm	209	118.7	58	32.0	↑
Montmorency	52	123.0	5	*	
Muskegon	599	122.0	131	25.3	
Newaygo	173	119.9	23	15.6	↓
Oakland	4,689	127.2	893	23.5	
Oceana	83	103.2	22	24.8	
Ogemaw	63	73.7	12	*	
Ontonagon	18	*	5	*	
Osceola	100	136.3	19	*	
Oscoda	29	89.7	10	*	
Otsego	103	130.8	21	26.7	
Ottawa	813	124.0	129	18.9	↓
Presque Isle	44	76.9	4	*	
Roscommon	157	144.7	25	21.5	
Saginaw	723	116.1	155	23.9	
St. Clair	612	119.5	135	25.3	
St. Joseph	185	99.4	39	19.9	
Sanilac	131	94.3	40	26.5	
Schoolcraft	30	98.2	11	*	
Shiawassee	250	116.3	56	24.9	
Tuscola	195	110.0	40	21.4	
Van Buren	207	91.3	46	19.8	
Washtenaw	1,117	133.0	177	20.7	
Wayne	6,615	119.2	1,636	28.4	↑
Wexford	122	123.8	11	*	
Michigan	34,984	119.2	7,228	23.6	

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

H.5.

Numbers of Invasive Female Cancers of the Breast and Deaths and Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence, of Residence, Female Michigan Residents, 2005-2009

EDC	Incidence			Deaths		
	Number	Rate		Number	Rate	
1	1,039	101.4	↓	224	19.6	↓
2	1,215	123.8		167	15.8	↓
3	915	112.1		167	19.4	↓
4	5,164	127.4	↑	878	20.8	↓
5	2,461	111.7	↓	502	21.4	↓
6	2,502	108.7	↓	588	24.3	
7	1,405	115.2		266	21.6	
8	2,858	127.3	↑	597	26.0	↑
9	3,024	111.6	↓	627	23.2	
10	14,375	121.5		3,212	26.1	↑
Michigan	34,984	119.2		7,228	23.6	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

H.6.

Numbers of Invasive Female Cancers of the Breast and Deaths and Age-Adjusted Rates by Health Department of Residence, Female Michigan Residents, 2005-2009

Health Department	Incidence			Deaths		
	Number	Rate		Number	Rate	
Allegan County	434	141.3	↑	66	21.1	
Barry/Eaton District	500	101.5	↓	100	19.5	↓
Bay County	444	123.9		73	17.5	↓
Berrien County	600	117.6		112	20.4	
Benzie/Leelanau District	145	97.8	↓	18	*	
Branch/Hillsdale/St. Joseph District	467	101.2	↓	117	24.1	
Calhoun County	417	100.4	↓	120	27.4	
Central Michigan District	698	118.9		128	20.5	
Chippewa County	96	92.6	↓	17	*	
Detroit City	2,517	118.6		738	34.4	↑
Delta/Menominee District	162	71.5	↓	56	22.8	
Dickinson / Iron District	137	95.1	↓	21	14.2	↓
District Health Department # 10	954	115.0		152	17.2	↓
District Health Department # 2	274	97.1	↓	44	16.1	↓
District Health Department # 4	335	111.7		65	19.8	
Genesee County	1,715	135.7	↑	343	26.8	↑
Grand Traverse County	388	144.6	↑	53	18.6	
Huron County	137	110.7		29	21.0	
Ingham County	938	135.7	↑	151	21.7	
Ionia County	178	111.5		34	21.6	
Jackson County	545	118.0		114	23.1	
Kalamazoo County	812	122.2		186	27.1	
Kent County	2,069	135.7	↑	312	19.7	↓
Lapeer County	281	110.5		63	24.6	
Lenawee County	306	100.9	↓	79	25.4	
Livingston County	489	95.0	↓	117	25.8	
Luce/Mackinac/Alger/Schoolcraft District	156	124.6	↓	26	17.0	↓
Macomb County	3,071	118.0		683	24.6	
Marquette County	231	116.3		38	17.7	↓
Mid-Michigan District	506	101.4	↓	142	28.0	
Midland County	270	106.9		45	16.7	↓
Monroe County	421	93.2	↓	98	21.3	
Muskegon County	599	122.0		131	25.3	
Oakland County	4,689	127.2	↑	893	23.5	
Ottawa County	813	124.0		129	18.9	↓
Northwest Michigan District	429	120.6		73	19.1	↓
Saginaw County	723	116.1		155	23.9	
Sanilac County	131	94.3	↓	40	26.5	
Shiawassee County	250	116.3		56	24.9	
St. Clair County	612	119.5		135	25.3	
Tuscola County	195	110.0		40	21.4	
Van Buren/Cass District	352	90.1	↓	95	23.3	
Washtenaw County	1,117	133.0	↑	177	20.7	
Wayne County excluding Detroit City	4,098	119.6		898	24.7	
Western Upper Peninsula District	257	110.9		66	25.8	
Michigan	34,984	119.2		7,228	23.6	

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.7.

Numbers of Invasive Cancers of the Lung and Bronchus and Deaths
and Age-Adjusted Rates by County of Residence,
Michigan Residents, 2005-2009

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Alcona	71	58.4	62	51.4	
Alger	52	69.4	48	64.8	
Allegan	383	66.5	252	44.3	↓
Alpena	186	86.2	↑	114	52.9
Antrim	98	51.7	↓	92	48.4
Arenac	126	102.4	↑	74	61.9
Baraga	49	87.3		38	68.0
Barry	213	63.8		185	56.8
Bay	536	79.9	↑	424	62.6
Benzie	86	67.1		62	48.6
Berrien	710	73.1		550	56.2
Branch	219	81.6		156	59.1
Calhoun	617	78.3	↑	508	64.5
Cass	222	68.0		216	66.3
Charlevoix	109	60.9		93	51.6
Cheboygan	153	75.0		119	57.9
Chippewa	163	75.0		122	56.7
Clare	218	93.2	↑	157	68.8
Clinton	139	37.8	↓	143	39.3
Crawford	83	77.0		63	59.5
Delta	149	57.9	↓	126	47.9
Dickinson	92	47.2	↓	85	43.0
Eaton	311	52.9	↓	293	50.4
Emmet	139	67.3		99	47.1
Genesee	1,989	86.6	↑	1,485	65.2
Gladwin	176	80.3		138	63.8
Gogebic	80	60.2		79	58.8
Grand Traverse	306	62.6	↓	214	44.0
Gratiot	167	70.4		118	50.0
Hillsdale	175	62.0		149	54.1
Houghton	136	66.4		104	50.2
Huron	158	59.1	↓	121	45.0
Ingham	822	69.2		565	47.4
Ionia	214	70.7		142	48.3
Iosco	181	74.4		139	56.0
Iron	64	55.6	↓	62	53.3
Isabella	204	77.1		161	62.1
Jackson	780	87.2	↑	569	63.7
Kalamazoo	774	64.4	↓	627	51.8
Kalkaska	82	75.9		69	64.5
Kent	1,643	60.6	↓	1,242	46.0
Keweenaw	15	*		10	*
Lake	92	93.6	↑	67	66.7

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Lapeer	320	66.5	265	56.7	
Leelanau	75	43.2	↓	62	34.3
Lenawee	340	59.6	↓	322	57.0
Livingston	468	53.4	↓	404	47.1
Luce	35	74.7		23	50.8
Mackinac	64	69.9		60	65.1
Macomb	3,669	76.3	↑	2,680	55.6
Manistee	149	79.7		113	59.9
Marquette	256	67.0		197	51.3
Mason	140	69.1		126	61.6
Mecosta	151	60.9	↓	115	47.4
Menominee	69	38.8	↓	89	50.1
Midland	252	53.1	↓	233	48.7
Missaukee	63	62.3		56	57.1
Monroe	540	64.6	↓	492	60.2
Montcalm	278	80.1		204	58.1
Montmorency	85	87.0		56	57.2
Muskegon	678	72.3		569	60.8
Newaygo	212	73.7		186	64.3
Oakland	4,081	62.9	↓	2,893	44.5
Oceana	88	51.7	↓	67	38.9
Ogemaw	146	87.3	↑	130	77.6
Ontonagon	49	72.5		41	60.6
Osceola	121	80.1		90	60.2
Oscoda	46	61.6		43	57.7
Otsego	108	69.7		81	51.6
Ottawa	506	42.7	↓	430	36.4
Presque Isle	94	74.1		71	54.5
Roscommon	205	83.3	↑	153	62.4
Saginaw	870	73.8		664	56.0
St. Clair	727	75.5		606	63.4
St. Joseph	236	67.0		197	55.7
Sanilac	163	56.5	↓	141	49.3
Schoolcraft	53	77.2		45	64.8
Shiawassee	290	72.5		234	58.5
Tuscola	261	75.1		180	53.0
Van Buren	295	69.7		282	67.7
Washtenaw	778	53.4	↓	539	37.9
Wayne	8,464	84.9	↑	5,984	59.9
Wexford	169	87.7	↑	108	56.3
Michigan	38,816	71.2		29,373	53.9

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.8.

Numbers of Invasive Cancers of the Lung and Bronchus and Deaths and Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence, Michigan Residents, 2005-2009

EDC	Incidence			Mortality		
	Number	Rate		Number	Rate	
1	1,326	63.1	↓	1,129	53.1	
2	1,276	64.9	↓	968	49.2	↓
3	1,358	77.3	↑	1,031	58.4	↑
4	4,719	62.5	↓	3,675	48.8	↓
5	3,131	72.8		2,411	56.1	
6	3,073	70.8		2,536	58.4	↑
7	1,272	59.3	↓	1,001	46.7	↓
8	3,326	80.4	↑	2,590	63.2	↑
9	3,081	62.5	↓	2,475	51.1	↓
10	16,214	76.1	↑	11,557	54.1	
Michigan	38,816	71.2		29,373	53.9	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

H.9.

Numbers of Invasive Cancers of the Lung and Bronchus and Deaths and Age-Adjusted Rates by Health Department of Residence, Michigan Residents, 2005-2009

Health Department	Incidence		Deaths		
	Number	Rate	Number	Rate	
Allegan County	383	66.5	252	44.3	↓
Barry/Eaton District	524	56.8	478	52.5	
Bay County	536	79.9	424	62.6	↑
Benzie/Leelanau District	161	53.1	124	40.4	↓
Berrien County	710	73.1	550	56.2	
Branch/Hillsdale/St. Joseph District	630	69.7	502	56.1	
Calhoun County	617	78.3	508	64.5	↑
Central Michigan District	1,050	85.3	773	63.8	↑
Chippewa County	163	75.0	122	56.7	
Detroit City	3,219	87.7	2,370	64.4	↑
Delta/Menominee District	218	50.4	215	48.7	
Dickinson/Iron District	156	50.1	147	46.5	
District Health Department # 10	1,229	72.4	970	57.4	
District Health Department # 2	444	73.5	374	61.2	↑
District Health Department # 4	518	80.1	360	55.4	
Genesee County	1,989	86.6	1,485	65.2	↑
Grand Traverse County	306	62.6	214	44.0	↓
Huron County	158	59.1	121	45.0	↓
Ingham County	822	69.2	565	47.4	↓
Ionia County	214	70.7	142	48.3	
Jackson County	780	87.2	569	63.7	↑
Kalamazoo County	774	64.4	627	51.8	
Kent County	1,643	60.6	1,242	46.0	↓
Lapeer County	320	66.5	265	56.7	
Lenawee County	340	59.6	322	57.0	
Livingston County	468	53.4	404	47.1	↓
Luce/Mackinac/Alger/Schoolcraft District	204	72.2	176	62.7	
Macomb County	3,669	76.3	2,680	55.6	
Marquette County	256	67.0	197	51.3	
Mid-Michigan District	584	61.2	465	48.7	↓
Midland County	252	53.1	233	48.7	
Monroe County	540	64.6	492	60.2	↑
Muskegon County	678	72.3	569	60.8	↑
Northwest Michigan District	454	62.3	365	49.6	
Oakland County	4,081	62.9	2,893	44.5	↓
Ottawa County	506	42.7	430	36.4	↓
Saginaw County	870	73.8	664	56.0	
Sanilac County	163	56.5	141	49.3	
Shiawassee County	290	72.5	234	58.5	
St. Clair County	727	75.5	606	63.4	↑
Tuscola County	261	75.1	180	53.0	
Van Buren/Cass District	517	68.5	498	66.8	↑
Washtenaw County	778	53.4	539	37.9	↓
Wayne County excluding Detroit City	5,245	83.2	3,614	57.1	↑
Western Upper Peninsula District	329	68.9	272	56.4	
Michigan	38,816	71.2	29,373	53.9	

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

H.10.

Numbers of Invasive Cancers of the Prostate Gland and Deaths
and Age-Adjusted Rates by County of Residence,
Male Michigan Residents, 2005-2009

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Alcona	64	100.3	↓	9	*
Alger	62	167.4		7	*
Allegan	462	171.3		60	29.3
Alpena	146	146.9		10	*
Antrim	133	137.4	↓	14	*
Arenac	88	137.7		8	*
Baraga	27	94.9	↓	3	*
Barry	216	130.8	↓	31	24.9
Bay	439	143.1	↓	50	18.7
Benzie	121	185.1		12	*
Berrien	777	174.6		74	18.7
Branch	146	114.4	↓	30	29.3
Calhoun	476	128.7	↓	77	24.4
Cass	153	92.8	↓	31	23.1
Charlevoix	110	122.1	↓	20	28.1
Cheboygan	158	154.2		15	*
Chippewa	126	113.2	↓	13	*
Clare	172	142.8		18	*
Clinton	290	151.3		35	26.2
Crawford	73	129.1	↓	9	*
Delta	138	110.8	↓	34	29.0
Dickinson	93	102.6	↓	14	*
Eaton	429	148.1	↓	70	30.5
Emmet	142	146.7		24	29.7
Genesee	2,017	195.8	↑	193	22.7
Gladwin	163	150.2		16	*
Gogebic	32	51.0	↓	18	*
Grand Traverse	503	217.8	↑	42	22.2
Gratiot	184	163.8		19	*
Hillsdale	143	104.0	↓	20	19.0
Houghton	113	114.0	↓	22	23.5
Huron	203	160.7		31	25.7
Ingham	1,221	217.8	↑	83	18.8
Ionia	228	154.9		22	22.0
Iosco	175	146.7		19	*
Iron	38	71.2	↓	11	*
Isabella	172	141.7		17	*
Jackson	687	163.2		93	26.0
Kalamazoo	952	175.6	↑	120	25.0
Kalkaska	63	108.3	↓	6	*
Kent	2,039	165.9		204	19.6
Keweenaw	8	*		0	*
Lake	81	162.7		8	*

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Lapeer	395	174.5		34	20.6
Leelanau	164	182.2		17	*
Lenawee	314	116.5	↓	56	27.2
Livingston	534	115.9	↓	44	14.2
Luce	26	111.0	↓	2	*
Mackinac	49	103.5	↓	4	*
Macomb	3,287	151.9	↓	354	18.7
Manistee	129	139.2		10	*
Marquette	214	114.2	↓	27	17.2
Mason	147	148.9		22	25.9
Mecosta	225	191.0	↑	13	*
Menominee	55	66.3	↓	7	*
Midland	303	141.2	↓	36	19.6
Missaukee	86	170.9		7	*
Monroe	344	88.3	↓	66	23.4
Montcalm	299	174.7		19	*
Montmorency	85	169.7		8	*
Muskegon	770	179.3	↑	82	22.8
Newaygo	208	146.5		23	19.5
Oakland	5,485	177.8	↑	496	19.8
Oceana	126	152.8		11	*
Ogemaw	111	127.5	↓	9	*
Ontonagon	33	86.0	↓	5	*
Osceola	207	280.9	↑	11	*
Oscoda	43	107.2	↓	3	*
Otsego	109	141.9		12	*
Ottawa	884	155.8		92	19.8
Presque Isle	85	136.3		10	*
Roscommon	216	177.5		14	*
Saginaw	863	159.7		102	22.4
St. Clair	715	158.1		83	22.5
St. Joseph	195	119.3	↓	29	19.9
Sanilac	191	139.6	↓	22	20.4
Schoolcraft	42	122.1	↓	5	*
Shiawassee	333	178.5		20	14.9
Tuscola	191	116.9	↓	33	23.7
Van Buren	315	154.9		34	21.1
Washtenaw	1,095	156.1		112	21.0
Wayne	8,151	186.0	↑	984	26
Wexford	185	199	↑	24	32.2
Michigan	41,324	162.9		4,554	21.6

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.11.

Numbers of Invasive Cancers of the Prostate Gland and Deaths and
Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence,
Male Michigan Residents, 2005-2009

EDC	Incidence			Deaths		
	Number	Rate		Number	Rate	
1	1,056	102.8	↓	172	18.7	↓
2	1,636	170.0		176	22.4	
3	1,265	143.8	↓	118	15.7	↓
4	5,892	166.4		598	20.8	
5	2,969	147.4	↓	352	20.8	
6	3,014	149.5	↓	395	22.7	
7	1,940	186.3	↑	188	23.3	
8	3,460	182.5	↑	330	21.8	
9	3,117	131.3	↓	391	21.8	
10	16,923	175.7	↑	1,834	22.4	
Michigan	41,324	162.9		4,554	21.6	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

H.12.

Numbers of Invasive Cancers of the Prostate Gland and Deaths and
Age-Adjusted Rates by Health Department of Residence,
Male Michigan Residents, 2005-2009

Health Department	Incidence		Deaths	
	Number	Rate	Number	Rate
Allegan County	462	171.3	60	29.3
Barry/Eaton District	645	141.4	101	28.6
Bay County	439	143.1	50	18.7
Benzie/Leelanau District	285	182.8	29	22.2
Berrien County	777	174.6	74	18.7
Branch/Hillsdale/St. Joseph District	484	113.6	79	22.3
Calhoun County	476	128.7	77	24.4
Central Michigan District	1,018	166.4	84	17.5
Chippewa County	126	113.2	13	*
Delta/Menominee District	193	93.0	41	20.8
Detroit City	3,443	218.5	504	38.3
Dickinson/Iron District	131	90.8	25	17.5
District Health Department # 10	1,323	157.1	133	19.6
District Health Department # 2	393	126.7	40	15.4
District Health Department # 4	474	149.6	43	15.0
Genesee County	2,017	195.8	193	22.7
Grand Traverse County	503	217.8	42	22.2
Huron County	203	160.7	31	25.7
Ingham County	1,221	217.8	83	18.8
Ionia County	228	154.9	22	22.0
Jackson County	687	163.2	93	26.0
Kalamazoo County	952	175.6	120	25.0
Kent County	2,039	165.9	204	19.6
Lapeer County	395	174.5	34	20.6
Lenawee County	314	116.5	56	27.2
Livingston County	534	115.9	44	14.2
Luce/Mackinac/Alger/Schoolcraft District	179	126.4	18	*
Macomb County	3,287	151.9	354	18.7
Marquette County	214	114.2	27	17.2
Mid-Michigan District	773	164.1	73	19.8
Midland County	303	141.2	36	19.6
Monroe County	344	88.3	66	23.4
Muskegon County	770	179.3	82	22.8
Northwest Michigan District	494	137.5	70	24.0
Oakland County	5,485	177.8	496	19.8
Ottawa County	884	155.8	92	19.8
Saginaw County	863	159.7	102	22.4
Sanilac County	191	139.6	22	20.4
Shiawassee County	333	178.5	20	14.9
St. Clair County	715	158.1	83	22.5
Tuscola County	191	116.9	33	23.7
Van Buren/Cass District	468	127.1	65	22.0
Washtenaw County	1,095	156.1	112	21.0
Wayne County excluding Detroit City	4,708	168.0	480	19.5
Western Upper Peninsula District	213	89.6	48	21.5
Michigan	41,324	162.9	4,554	21.6

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.13.

Numbers of Invasive Cancers of the Colon and Rectum and Deaths
and Age-Adjusted Rates by County of Residence,
Michigan Residents, 2005-2009

	Incidence			Deaths		
County	Number	Rate		Number	Rate	
Alcona	50	46.0		11	*	
Alger	35	49.2		15	*	
Allegan	267	46.3		100	18.1	
Alpena	116	55.2		34	16.3	
Antrim	82	44.9		28	16.5	
Arenac	53	44.2		28	24.8	
Baraga	18	*		5	*	
Barry	129	39.1	↓	67	21.4	
Bay	361	53.6	↑	138	20.2	
Benzie	59	46.6		22	17.4	
Berrien	473	48.4		136	13.9	↓
Branch	123	46.5		43	16.6	
Calhoun	374	47.1		122	15.0	
Cass	125	39.0	↓	52	16.6	
Charlevoix	87	47.4		31	17.2	
Cheboygan	109	57.8		33	16.8	
Chippewa	60	27.2	↓	32	14.6	
Clare	103	45.9		28	13.1	
Clinton	119	31.2	↓	48	12.8	↓
Crawford	44	41.3		18	*	
Delta	108	41.0		47	17.2	
Dickinson	87	44.4		35	16.1	
Eaton	211	35.3	↓	84	14.3	
Emmet	97	46.1		33	16.0	
Genesee	1,196	52.5	↑	406	17.9	
Gladwin	100	48.6		35	16.4	
Gogebic	47	33.9	↓	31	21.4	
Grand Traverse	238	47.7		72	14.3	
Gratiot	142	59.6	↑	58	23.5	↑
Hillsdale	98	36.2	↓	43	15.2	
Houghton	97	45.9		33	14.7	
Huron	176	67.5	↑	53	18.7	
Ingham	595	48.6		199	16.4	
Ionia	133	45.6		53	18.2	
Iosco	112	46.8		43	18.3	
Iron	48	41.6		27	22.5	
Isabella	149	55.5		57	21.5	
Jackson	399	44.7		162	17.8	
Kalamazoo	535	43.4		208	16.6	
Kalkaska	56	54.5		23	23.3	
Kent	1,203	43.3	↓	417	14.8	↓
Keweenaw	2	*		1	*	
Lake	48	46.3		17	*	

	Incidence			Deaths		
County	Number	Rate		Number	Rate	
Lapeer	227	50.6		82	19.4	
Leelanau	47	27.5	↓	22	13.5	
Lenawee	223	38.5	↓	92	16.4	
Livingston	366	41.0	↓	137	16.4	
Luce	25	54.7		8	*	
Mackinac	36	39.6		15	*	
Macomb	2,337	48.1		842	17.1	
Manistee	96	52.4		32	16.2	
Marquette	154	40.0	↓	62	15.5	
Mason	83	41.4		30	14.9	
Mecosta	85	36.3	↓	37	16.5	
Menominee	33	19.0	↓	24	12.9	
Midland	172	36.6	↓	71	14.5	
Missaukee	30	30.7	↓	16	*	
Monroe	340	41.1	↓	156	19.0	
Montcalm	153	44.4		45	13.0	↓
Montmorency	45	49.9		16	*	
Muskegon	402	43.1		138	14.7	
Newaygo	122	43.8		48	18.0	
Oakland	2,926	43.7	↓	923	13.9	↓
Oceana	77	48.2		26	16.3	
Ogemaw	94	57.1		27	16.9	
Ontonagon	33	50.8		10	*	
Osceola	72	48.2		27	18.9	
Oscoda	31	41.5		11	*	
Otsego	70	46.5		33	21.6	
Ottawa	449	36.8	↓	153	12.6	↓
Presque Isle	59	45.5		23	17.4	
Roscommon	111	46.9		40	16.4	
Saginaw	646	54.2	↑	214	18.0	
St. Clair	463	48.7		186	19.6	
St. Joseph	171	48.8		71	20.3	
Sanilac	127	44.4		52	18.0	
Schoolcraft	35	54.9		14	*	
Shiawassee	215	54.4	↑	57	14.5	
Tuscola	196	57.8	↑	67	19.7	
Van Buren	162	39.2	↓	92	22.2	↑
Washtenaw	660	44.3		201	14.0	↓
Wayne	5,386	53.4	↑	2,035	20.1	↑
Wexford	75	38.6		25	13	
Michigan	25,736	47		9,288	16.9	

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.14.

Numbers of Invasive Cancers of the Colon and Rectum and Deaths and Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence, Michigan Residents, 2005-2009

EDC	Incidence			Deaths		
	Number	Rate		Number	Rate	
1	818	38.8	↓	359	16.2	
2	867	44.7		304	15.6	
3	841	49.5		289	16.9	
4	3,223	42.5	↓	1,158	15.3	↓
5	2,225	52.1	↑	801	18.5	↑
6	1,963	45.1		724	16.6	
7	925	42.0	↓	331	15.2	↓
8	2,101	51.4	↑	731	18.0	
9	2,086	42.2	↓	791	16.3	
10	10,649	49.2	↑	3,800	17.5	
Michigan	25,736	47.0		9,288	16.9	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

H.15.

Numbers of Invasive Cancers of the Colon and Rectum and Deaths and Age-Adjusted Rates by Health Department of Residence, Michigan Residents, 2005-2009

Health Department	Incidence		Deaths		
	Number	Rate	Number	Rate	
Allegan County	267	46.3	100	18.1	
Barry/Eaton District	340	36.5	151	16.7	
Bay County	361	53.6	138	20.2	
Benzie/Leelanau District	106	35.5	44	15.1	
Berrien County	473	48.4	136	13.9	↓
Branch/Hillsdale/St. Joseph District	392	44.4	157	17.7	
Calhoun County	374	47.1	122	15.0	
Central Michigan District	588	48.9	215	18.3	
Chippewa County	60	27.2	32	14.6	
Detroit City	2,131	57.8	880	24.0	↑
Delta/Menominee District	141	32.4	71	15.5	
Dickinson/Iron District	135	43.1	62	18.1	
District Health Department # 10	716	43.5	272	16.7	
District Health Department # 2	287	48.5	92	15.8	
District Health Department # 4	329	53.3	106	17.0	
Genesee County	1,196	52.5	406	17.9	
Grand Traverse County	238	47.7	72	14.3	
Huron County	176	67.5	53	18.7	
Ingham County	595	48.6	199	16.4	
Ionia County	133	45.6	53	18.2	
Jackson County	399	44.7	162	17.8	
Kalamazoo County	535	43.4	208	16.6	
Kent County	1,203	43.3	417	14.8	↓
Lapeer County	227	50.6	82	19.4	
Lenawee County	223	38.5	92	16.4	
Livingston County	366	41.0	137	16.4	
Luce/Mackinac/Alger/Schoolcraft District	131	48.1	52	19.3	
Macomb County	2,337	48.1	842	17.1	
Marquette County	154	40.0	62	15.5	
Mid-Michigan District	414	43.1	151	15.6	
Midland County	172	36.6	71	14.5	
Monroe County	340	41.1	156	19.0	
Muskegon County	402	43.1	138	14.7	
Northwest Michigan District	336	46.1	125	17.4	
Oakland County	2,926	43.7	923	13.9	↓
Ottawa County	449	36.8	153	12.6	↓
Saginaw County	646	54.2	214	18.0	
Sanilac County	127	44.4	52	18.0	
Shiawassee County	215	54.4	57	14.5	
St. Clair County	463	48.7	186	19.6	
Tuscola County	196	57.8	67	19.7	
Van Buren/Cass District	287	39.4	144	19.7	
Washtenaw County	660	44.3	201	14.0	↓
Wayne County excluding Detroit City	3,255	50.9	1,155	17.8	
Western Upper Peninsula District	197	39.9	80	15.5	
Michigan	25,736	47.0	9,288	16.9	

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

H.16.

Numbers of Invasive Cancers of the Uterine Cervix and Deaths and
Age-Adjusted Rates by County of Residence,
Female Michigan Residents, 2005-2009

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Alcona	0	*	0	*	
Alger	0	*	0	*	
Allegan	19	*	3	*	
Alpena	7	*	2	*	
Antrim	3	*	1	*	
Arenac	1	*	2	*	
Baraga	4	*	0	*	
Barry	6	*	4	*	
Bay	17	*	7	*	
Benzie	2	*	0	*	
Berrien	34	8.0	8	*	
Branch	13	*	2	*	
Calhoun	33	9.7	7	*	
Cass	12	*	4	*	
Charlevoix	5	*	3	*	
Cheboygan	6	*	3	*	
Chippewa	10	*	4	*	
Clare	10	*	4	*	
Clinton	7	*	1	*	
Crawford	2	*	1	*	
Delta	4	*	4	*	
Dickinson	2	*	1	*	
Eaton	17	*	4	*	
Emmet	7	*	3	*	
Genesee	90	8.0	21	1.8	
Gladwin	5	*	2	*	
Gogebic	1	*	2	*	
Grand Traverse	20	8.9	5	*	
Gratiot	8	*	3	*	
Hillsdale	7	*	1	*	
Houghton	4	*	1	*	
Huron	2	*	0	*	
Ingham	50	7.6	12	*	
Ionia	10	*	1	*	
Iosco	11	*	1	*	
Iron	2	*	0	*	
Isabella	16	*	6	*	
Jackson	27	7.1	4	*	
Kalamazoo	41	6.9	9	*	
Kalkaska	0	*	0	*	
Kent	93	6.4	20	1.3	↓
Keweenaw	0	*	1	*	
Lake	4	*	1	*	

County	Incidence		Deaths		
	Number	Rate	Number	Rate	
Lapeer	22	9.8	3	*	
Leelanau	4	*	0	*	
Lenawee	19	*	8	*	
Livingston	31	6.8	6	*	
Luce	1	*	0	*	
Mackinac	3	*	0	*	
Macomb	146	6.3	46	1.8	
Manistee	2	*	0	*	
Marquette	3	*	0	*	
Mason	6	*	3	*	
Mecosta	10	*	1	*	
Menominee	4	*	1	*	
Midland	17	*	6	*	
Missaukee	0	*	0	*	
Monroe	29	7.7	7	*	
Montcalm	7	*	4	*	
Montmorency	2	*	3	*	
Muskegon	33	8.0	8	*	
Newaygo	5	*	2	*	
Oakland	206	6.1	54	1.5	↓
Oceana	6	*	4	*	
Ogemaw	3	*	2	*	
Ontonagon	2	*	2	*	
Osceola	5	*	0	*	
Oscoda	1	*	0	*	
Otsego	5	*	0	*	
Ottawa	36	6.0	8	*	
Presque Isle	4	*	0	*	
Roscommon	10	*	2	*	
Saginaw	46	8.7	11	*	
St. Clair	34	8.3	10	*	
St. Joseph	16	*	6	*	
Sanilac	7	*	3	*	
Schoolcraft	2	*	0	*	
Shiawassee	9	*	2	*	
Tuscola	8	*	2	*	
Van Buren	18	*	4	*	
Washtenaw	47	5.5	10	*	
Wayne	475	9.2	180	3.3	↑
Wexford	4	*	1	*	
Michigan	1,910	7.3	557	2.0	

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.17.

Numbers of Invasive Cancers of the Uterine Cervix and Deaths and
Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence,
Female Michigan Residents, 2005-2009

EDC	Incidence			Deaths		
	Number	Rate		Number	Rate	
1	42	5.4	↓	16	*	
2	47	6.4		13	*	
3	51	10.2	↑	14	*	
4	240	6.6		59	1.5	↓
5	141	7.4		46	2.4	
6	167	8.6		40	1.8	
7	74	6.6		17	*	
8	155	7.9		36	1.6	
9	160	6.5		36	1.4	↓
10	827	7.6		280	2.4	↑
Michigan	1,910	7.3		557	2.0	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.18.

Numbers of Invasive Cancers of the Uterine Cervix and Deaths and
Age-Adjusted Rates by Health Department of Residence,
Female Michigan Residents, 2005-2009

Health Department	Incidence		Deaths	
	Number	Rate	Number	Rate
Allegan County	19	*	3	*
Barry/Eaton District	23	5.6	8	*
Bay County	17	*	7	*
Benzie/Leelanau District	6	*	0	*
Berrien County	34	8.0	8	*
Branch/Hillsdale/St. Joseph District	36	9.6	9	*
Calhoun County	33	9.7	7	*
Central Michigan District	51	11.4	16	*
Chippewa County	10	*	4	*
Delta/Menominee District	8	*	5	*
Detroit City	234	11.4	109	5.2
Dickinson/Iron District	4	*	1	*
District Health Department # 10	39	6.4	13	*
District Health Department # 2	15	*	3	*
District Health Department # 4	19	*	8	*
Genesee County	90	8.0	21	1.8
Grand Traverse County	20	8.9	5	*
Huron County	2	*	0	*
Ingham County	50	7.6	12	*
Ionia County	10	*	1	*
Jackson County	27	7.1	4	*
Kalamazoo County	41	6.9	9	*
Kent County	93	6.4	20	1.3
Lapeer County	22	9.8	3	*
Lenawee County	19	*	8	*
Livingston County	31	6.8	6	*
Luce/Mackinac/Alger/Schoolcraft District	6	*	0	*
Macomb County	146	6.3	46	1.8
Marquette County	3	*	0	*
Mid - Michigan District	22	4.9	8	*
Midland County	17	*	6	*
Monroe County	29	7.7	7	*
Muskegon County	33	8.0	8	*
Northwest Michigan District	20	7.5	7	*
Oakland County	206	6.1	54	1.5
Ottawa County	36	6.0	8	*
Saginaw County	46	8.7	11	*
Sanilac County	7	*	3	*
Shiawassee County	9	*	2	*
St. Clair County	34	8.3	10	*
Tuscola County	8	*	2	*
Van Buren/Cass District	30	9.5	8	*
Washtenaw County	47	5.5	10	*
Wayne County excluding Detroit City	241	7.9	71	2.2
Western Upper Peninsula District	11	*	6	*
Michigan	1,910	7.3	557	2.0

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.19.

Numbers of In Situ Cancers of the Uterine Cervix
and Age-Adjusted Rates by County of Residence,
Female Michigan Residents, 2005-2009

County	Number	Rate	
Alcona	15	*	
Alger	2	*	
Allegan	139	55.1	
Alpena	74	124.7	↑
Antrim	44	96.1	↑
Arenac	12	*	
Baraga	8	*	
Barry	55	43.4	↓
Bay	113	47.7	
Benzie	39	113.1	↑
Berrien	253	71.8	↑
Branch	65	63.0	
Calhoun	211	64.7	↑
Cass	56	54.0	
Charlevoix	27	49.9	
Cheboygan	13	*	
Chippewa	10	*	
Clare	11	*	
Clinton	35	22.0	↓
Crawford	17	*	
Delta	14	*	
Dickinson	9	*	
Eaton	86	33.4	↓
Emmet	25	34.6	↓
Genesee	656	63.4	↑
Gladwin	12	*	
Gogebic	2	*	
Grand Traverse	269	140.5	↑
Gratiot	10	*	
Hillsdale	73	70.4	
Houghton	21	28.4	↓
Huron	16	*	
Ingham	235	32.7	↓
Ionia	48	35.7	↓
Iosco	10	*	
Iron	5	*	
Isabella	29	19.1	↓
Jackson	172	48.2	↓
Kalamazoo	447	69.5	↑
Kalkaska	42	119.1	↑
Kent	515	33.3	↓
Keweenaw	0	*	
Lake	6	*	

County	Number	Rate	
Lapeer	116	60.2	
Leelanau	20	48.7	
Lenawee	84	38.3	↓
Livingston	136	35.5	↓
Luce	1	*	
Mackinac	2	*	
Macomb	1,366	70.8	↑
Manistee	28	62.9	
Marquette	5	*	
Mason	33	58.3	
Mecosta	23	23.8	↓
Menominee	1	*	
Midland	57	31.9	↓
Missaukee	24	77.2	
Monroe	146	42.4	↓
Montcalm	25	18.2	↓
Montmorency	19	*	
Muskegon	602	148.7	↑
Newaygo	46	45.1	
Oakland	1,831	65.9	↑
Oceana	47	79.0	↑
Ogemaw	4	*	
Ontonagon	3	*	
Osceola	22	45.6	
Oscoda	3	*	
Otsego	53	105.8	↑
Ottawa	171	27.0	↓
Presque Isle	15	*	
Roscommon	15	*	
Saginaw	294	62.9	↑
St. Clair	211	56.7	
St. Joseph	70	49.3	
Sanilac	40	45.7	
Schoolcraft	1	*	
Shiawassee	87	55.3	
Tuscola	56	46.9	
Van Buren	70	42.0	↓
Washtenaw	357	39.6	↓
Wayne	3,183	66.1	↑
Wexford	62	91.9	↑
Michigan	13,277	55.5	

↑ County rate is significantly higher than the State rate ($p < .05$).

↓ County rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

H.20.

Numbers of In Situ Cancers of the Uterine Cervix and Age-Adjusted Rates by Economic Development Collaborative (EDC) of Residence, Female Michigan Residents, 2005-2009

EDC	Number	Rate	
1	84	13.3	↓
2	580	94.5	↑
3	238	63.3	
4	1,732	47.4	↓
5	650	40.0	↓
6	1,172	62.1	↑
7	356	30.2	↓
8	1,070	60.7	↑
9	968	40.0	↓
10	6,380	66.8	↑
Michigan	13,277	55.5	

↑ EDC rate is significantly higher than the State rate ($p < .05$).

↓ EDC rate is significantly lower than the State rate ($p < .05$).

H.21.

Numbers of In Situ Cancers of the Uterine Cervix and Age-Adjusted Rates by Health Department of Residence, Female Michigan Residents, 2005-2009

Health Department	Number	Rate	
Allegan County	139	55.1	
Barry/Eaton District	141	36.5	↓
Bay County	113	47.7	
Benzie/Leelanau District	59	79.7	↑
Berrien County	253	71.8	↑
Branch/Hillsdale/St. Joseph District	208	59.8	
Calhoun County	211	64.7	↑
Central Michigan District	101	24.8	↓
Chippewa County	10	*	
Delta/Menominee District	15	*	
Detroit City	1,316	65.4	↑
Dickinson/Iron District	14	*	
District Health Department # 10	328	59.0	
District Health Department # 2	32	29.7	↓
District Health Department # 4	121	80.0	↑
Genesee County	656	63.4	↑
Grand Traverse County	269	140.5	↑
Huron County	16	*	
Ingham County	235	32.7	↓
Ionia County	48	35.7	↓
Jackson County	172	48.2	↓
Kalamazoo County	447	69.5	↑
Kent County	515	33.3	↓
Lapeer County	116	60.2	
Lenawee County	84	38.3	↓
Livingston County	136	35.5	↓
Luce/Mackinac/Alger/Schoolcraft District	6	*	
Macomb County	1,366	70.8	↑
Marquette County	5	*	
Mid - Michigan District	70	18.0	↓
Midland County	57	31.9	↓
Monroe County	146	42.4	↓
Muskegon County	602	148.7	↑
Northwest Michigan District	149	67.5	↑
Oakland County	1,831	65.9	↑
Ottawa County	171	27.0	↓
Saginaw County	294	62.9	↑
Sanilac County	40	45.7	
Shiawassee County	87	55.3	
St. Clair County	211	56.7	
Tuscola County	56	46.9	
Van Buren/Cass District	126	46.6	↓
Washtenaw County	357	39.6	↓
Wayne County excluding Detroit City	1,867	69.3	↑
Western Upper Peninsula District	34	25.4	↓
Michigan	13,277	55.5	

↑ Health department rate is significantly higher than the State rate ($p < .05$).

↓ Health department rate is significantly lower than the State rate ($p < .05$).

* Rate is considered statistically unreliable.

*Michigan Department
of Community Health*



**Rick Snyder, Governor
James K. Haveman, Director**

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