



# Breast Cancer Disparities



## Oklahoma Task Force to Eliminate Health Disparities

Data Presentation – November 5, 2004





# This Presentation

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- Oklahoma Breast Cancer Facts
- Risk Factors
- Early Detection
- Incidence
- Staging
- Mortality





# Oklahoma Breast Cancer Facts

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# Breast Cancer Facts

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- Most common cancer diagnosed in women in US and Oklahoma.
- 2<sup>nd</sup> most common cause of cancer death among women in US and Oklahoma.
- Less than 1% of all breast cancers are diagnosed in men.





# Breast Cancer Facts

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- 1 in 8 women will develop breast cancer during lifetime.
- Among Oklahoma women alive in 2000, 250,680 will develop breast cancer sometime in their lifetime.





# Breast Cancer Facts

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- Each year in Oklahoma
  - 2,500 women are diagnosed
  - 475 die of breast cancer
- Each year in the US
  - 184,200 diagnosed
  - 41,200 die





# Breast Cancer Facts

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- Whites are slightly (1.1 times) more likely to be diagnosed with breast cancer in Oklahoma.
- Over 40% of African-Americans and American Indians were diagnosed with breast cancer at a regional or distant stage compared to 29% of whites and 33% of Hispanics.
- African-Americans were 1.7 times more likely to die from breast cancer compared to whites.





# Breast Cancer Facts

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- In 2002 Oklahoma ranked 6<sup>th</sup> in the US for highest percentage of women 5 years or more since last mammogram.
- From 1997-2001 Oklahoma's rate of breast cancer incidence was better than the US (70.3 vs 72.5/100,000).
- In 1999-2001 Oklahoma ranked 24<sup>th</sup> worst in breast cancer mortality in the US.





# Risk Factors

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# Breast Cancer Risk Factors

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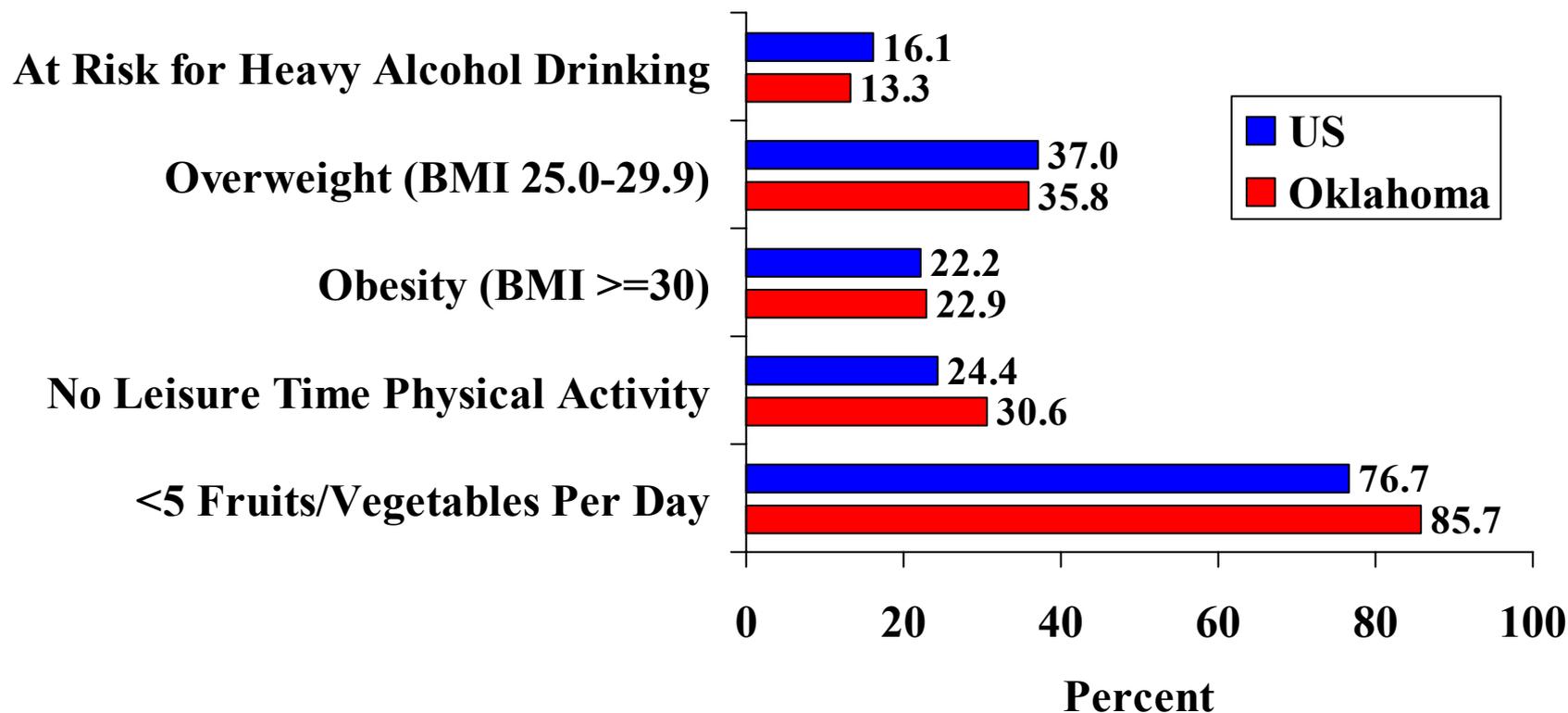
- Being a woman
- Increasing age
- Family history
- Having the mutated breast cancer gene BRCA1 or BRCA2
- Prolonged exposure to estrogen
  - Starting menopause later in life
  - Being young at the time of your first period
  - Never being pregnant or having your first child after age 30
  - Long-term use of oral contraceptives or hormones
- Being overweight
- Consuming 2 or more alcoholic beverages a day





# Prevalence of Cancer Risk Factors

## BRFSS 2002



BRFSS-Behavioral Risk Factor Surveillance System (Adults 18+)





# Early Detection

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# Breast Cancer Screening

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- Perform a monthly breast self examination.
- Have a clinical breast exam every year after the age of 21.
- Get your first screening mammogram at 40 years of age.
  - If you have risk factors for breast cancer, you may need to have your mammogram at an earlier age

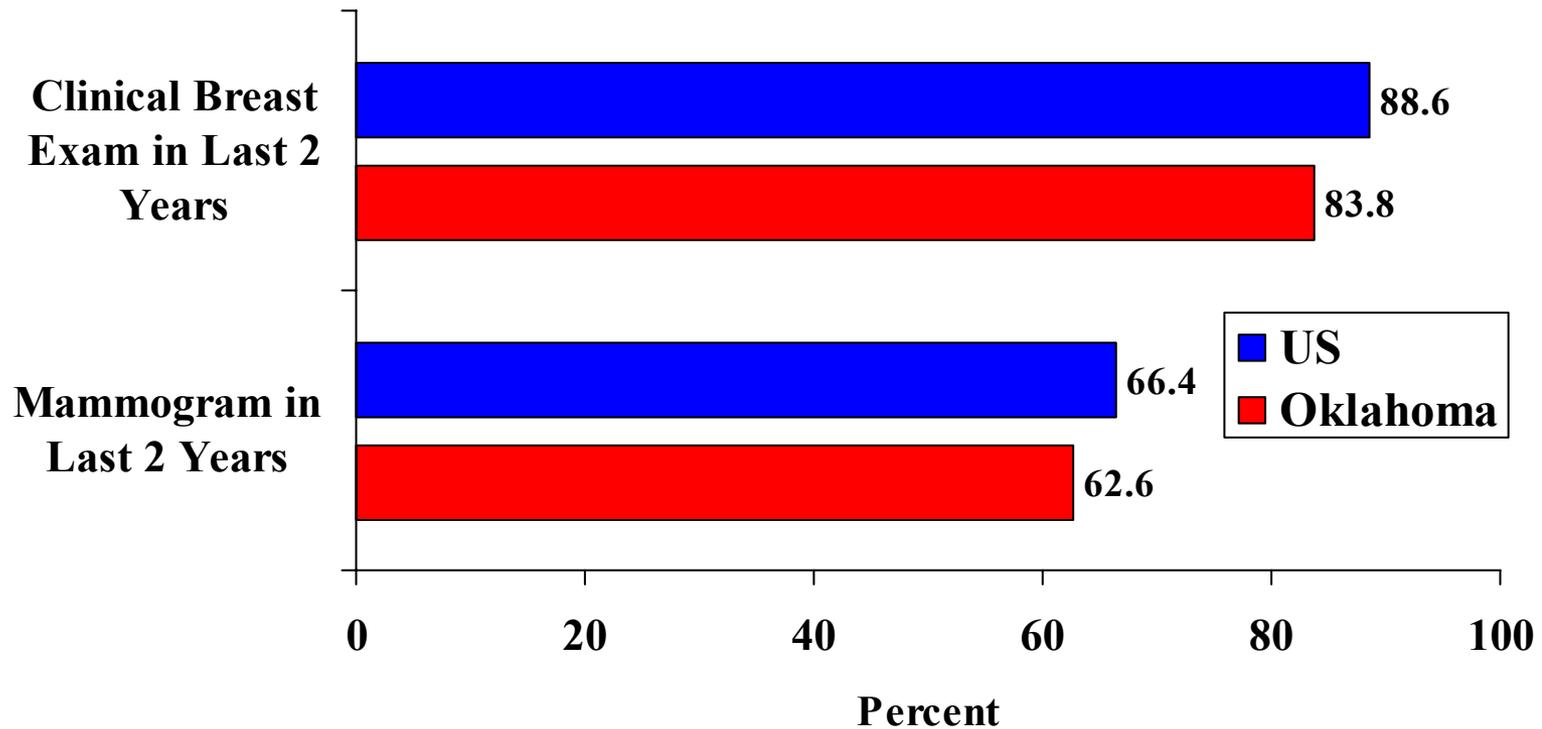




# Breast Cancer Screening

## BRFSS 2002

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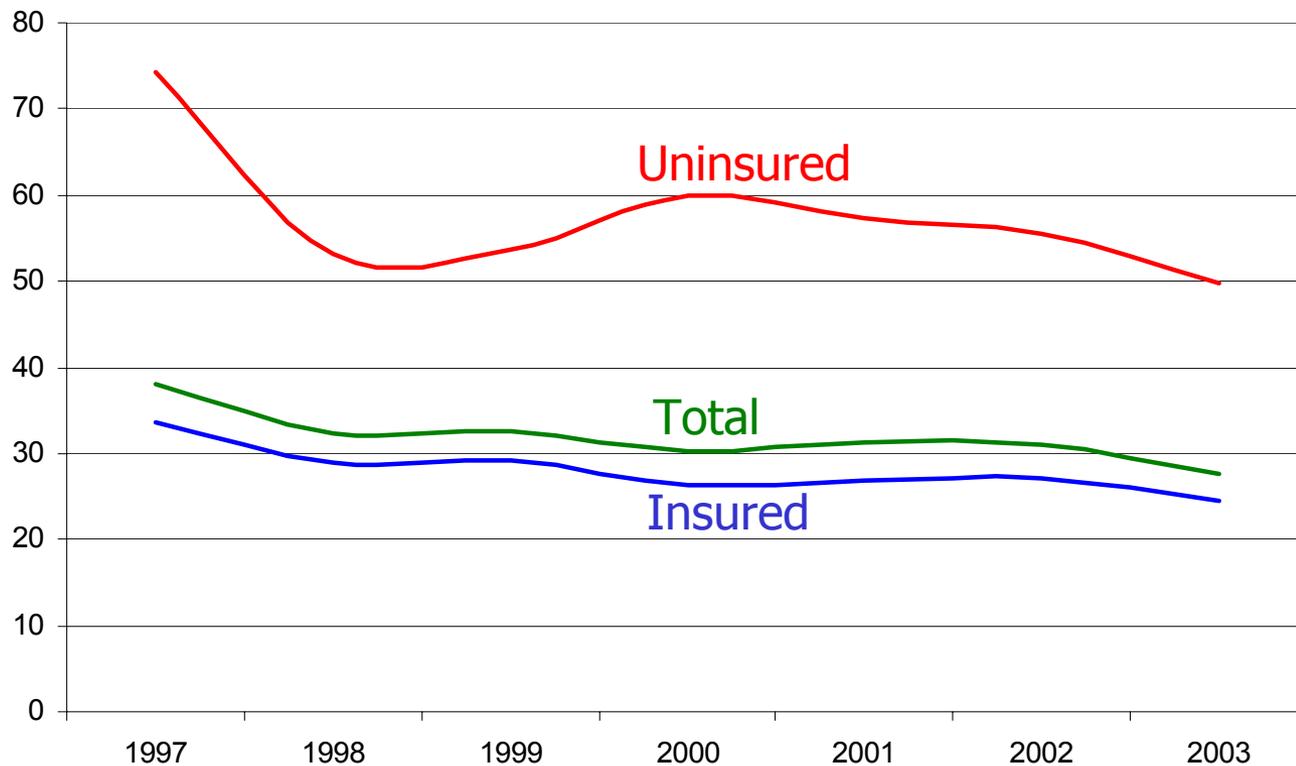


BRFSS-Behavioral Risk Factor Surveillance System (Adults 18+)



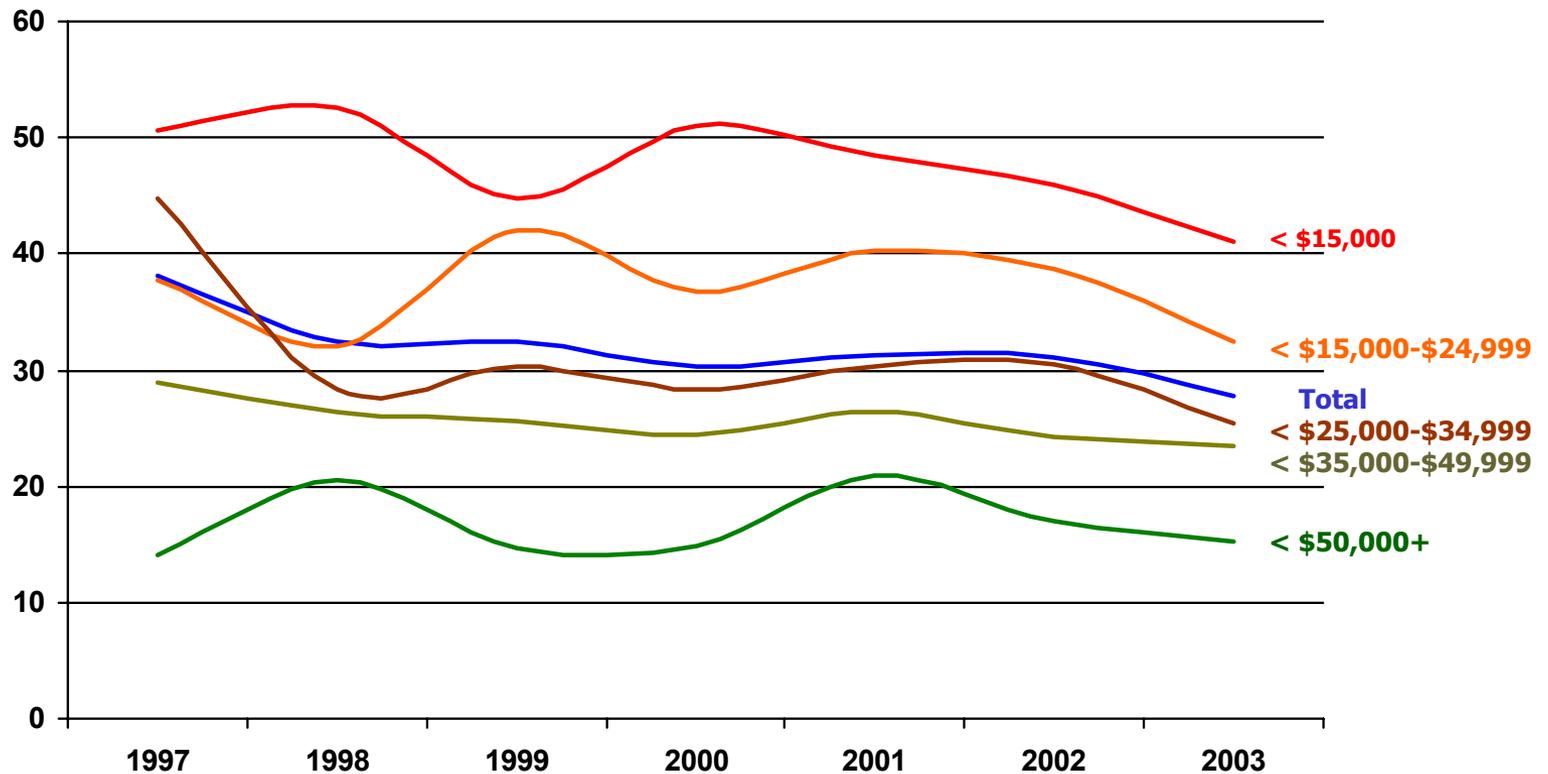


# Women 40+ yrs without a Mammography in 2 years by Insurance Status Oklahoma





# Women 40+ yrs without a Mammography in 2 years by Income Oklahoma

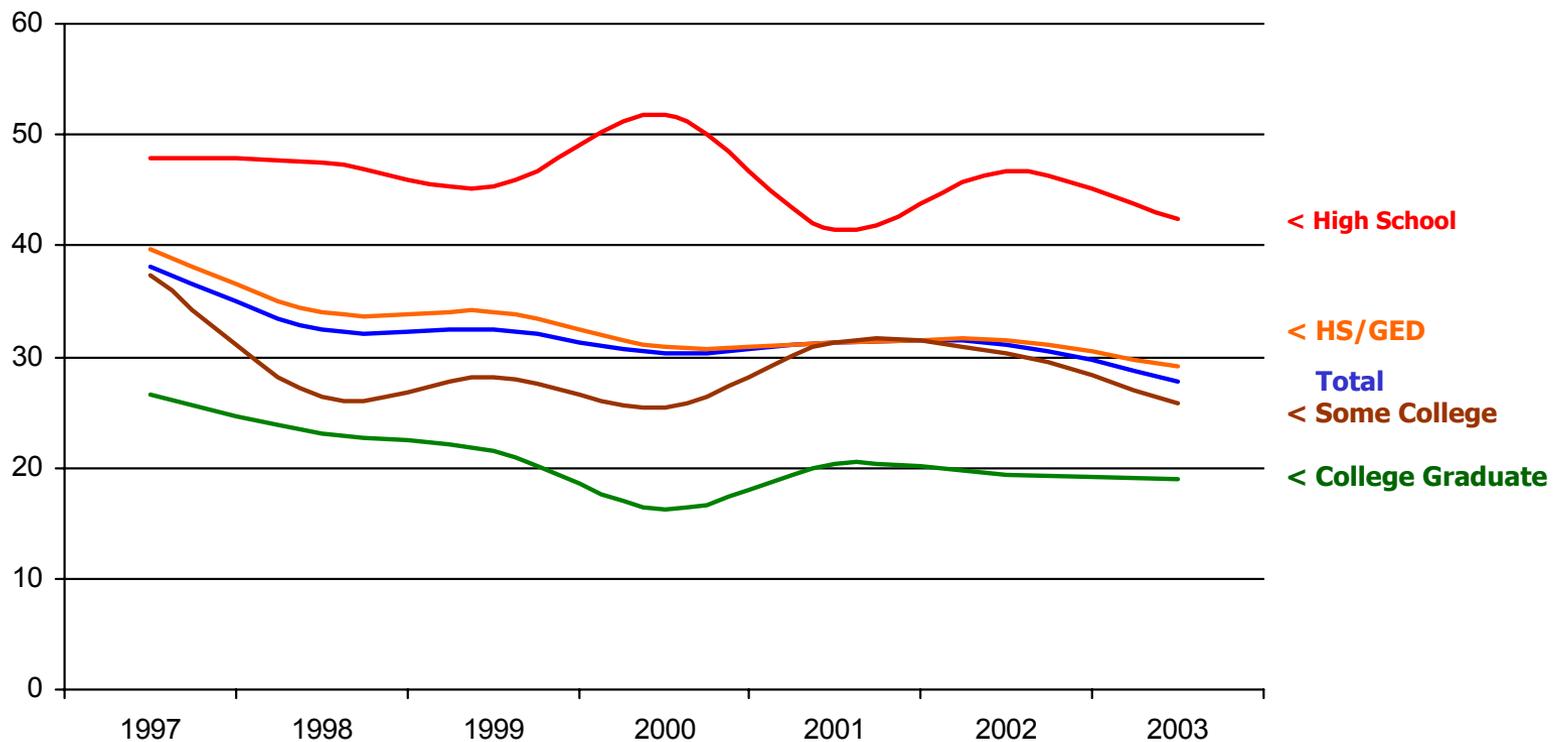


Behavioral Risk Factor Surveillance System





# Women 40+ yrs without a Mammography in 2 years by Education Oklahoma





# Incidence

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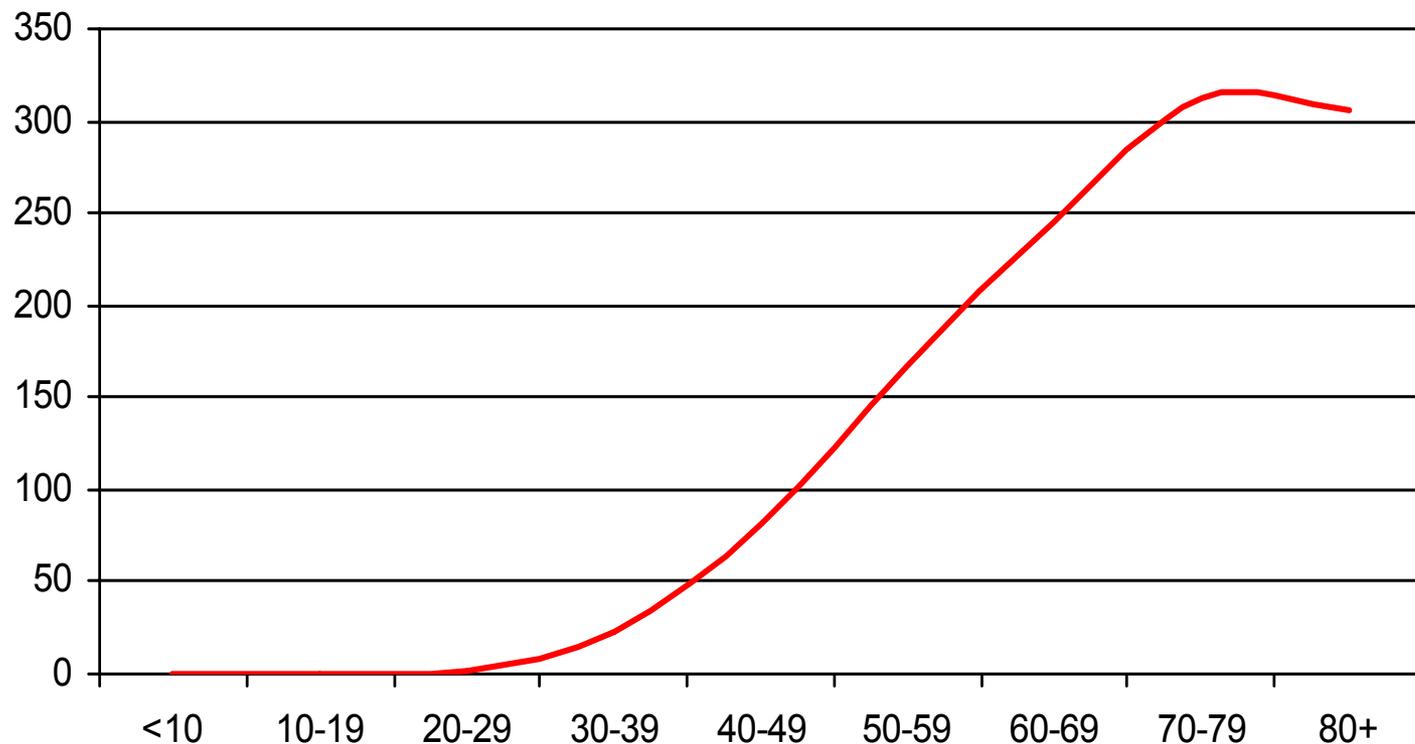




# Breast Cancer Incidence

## by Age Oklahoma 1997-2001

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Oklahoma Central Cancer Registry

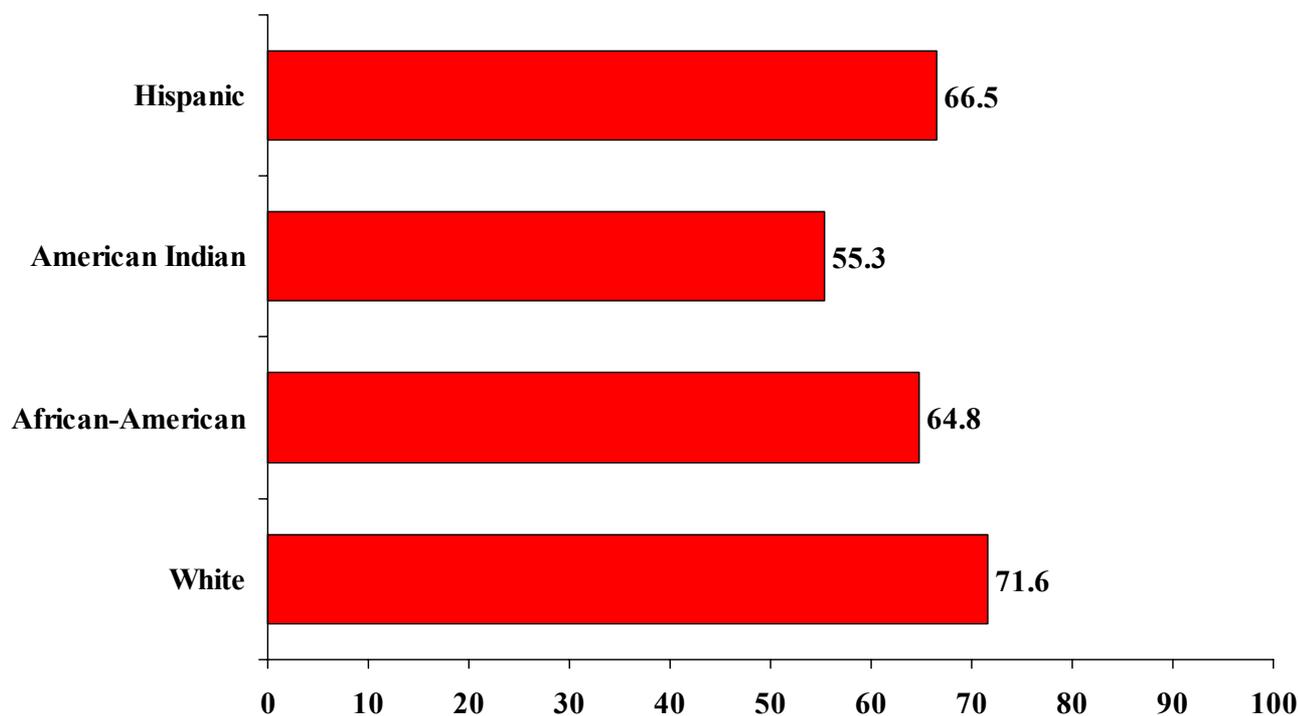




# Breast Cancer Incidence

## by Race/Ethnicity Oklahoma 1997-2001

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Oklahoma Central Cancer Registry 1997-2001





# Staging

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# Percent Survival by Stage

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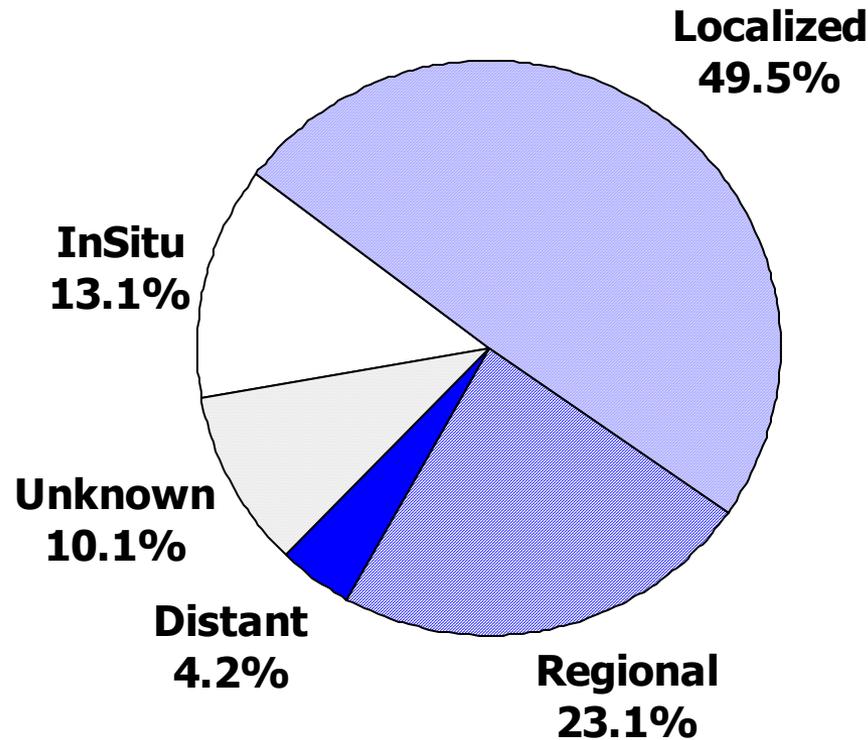
Stage	Stage 5-year relative survival rate
0 - In Situ	100%
I - Localized	98%
IIA - Regional	88%
IIB - Regional	76%
IIIA - Regional	56%
IIIB - Regional	49%
IV - Distant	16%





# Female Breast Cancer Stage at Diagnosis Oklahoma 1997-2001

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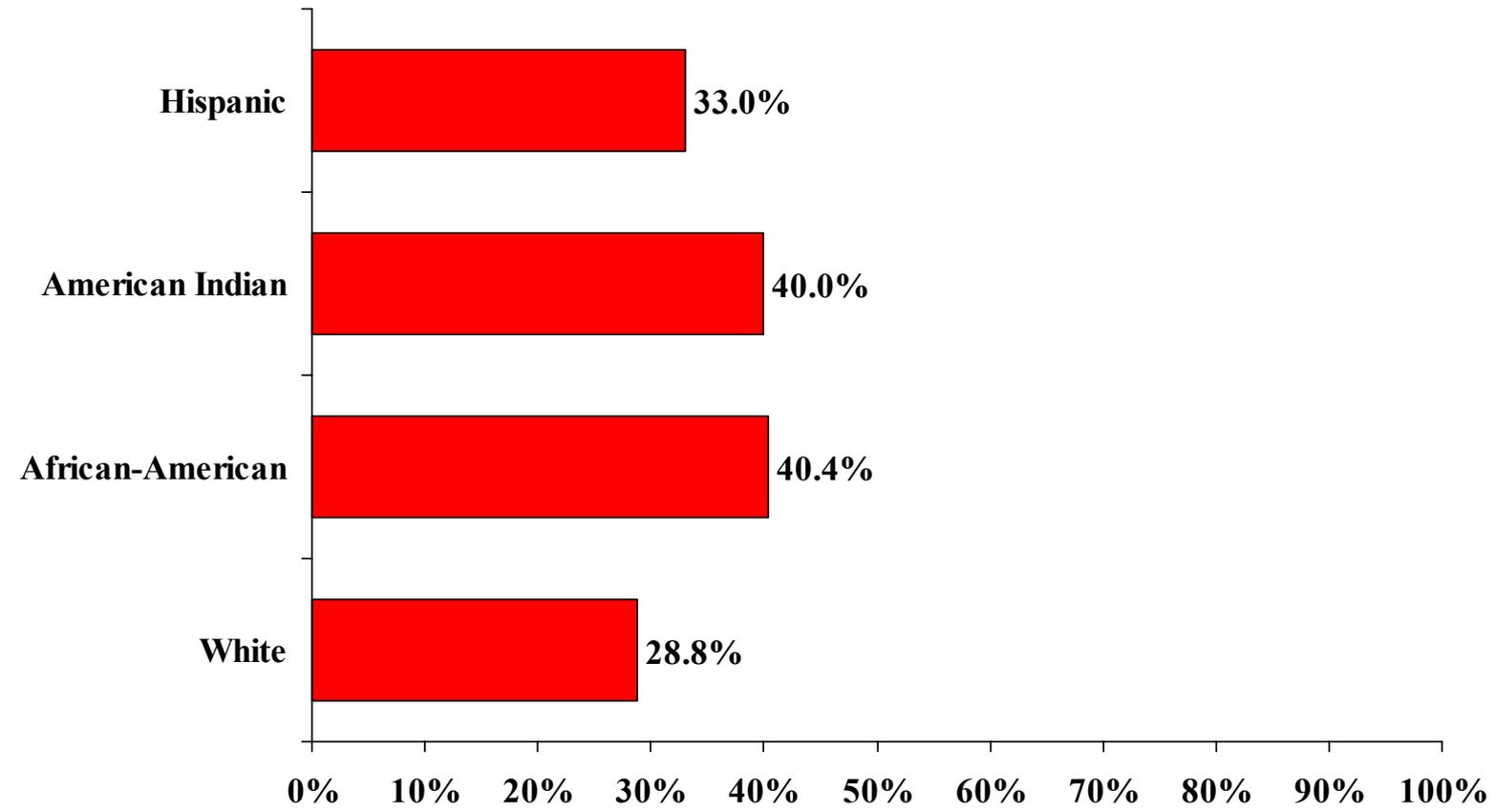


Oklahoma Central Cancer Registry 1997-2001





# Percent Regional or Distant Stage for Breast Cancer by Race Oklahoma 1997-2001

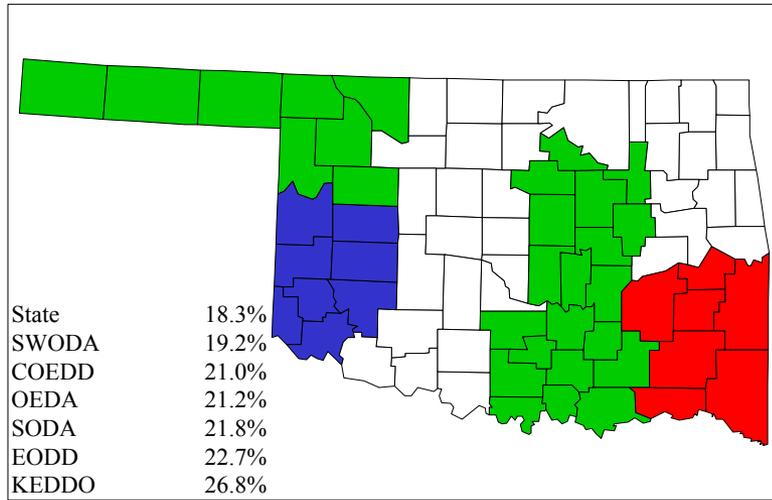


Oklahoma Central Cancer Registry 1997-2001

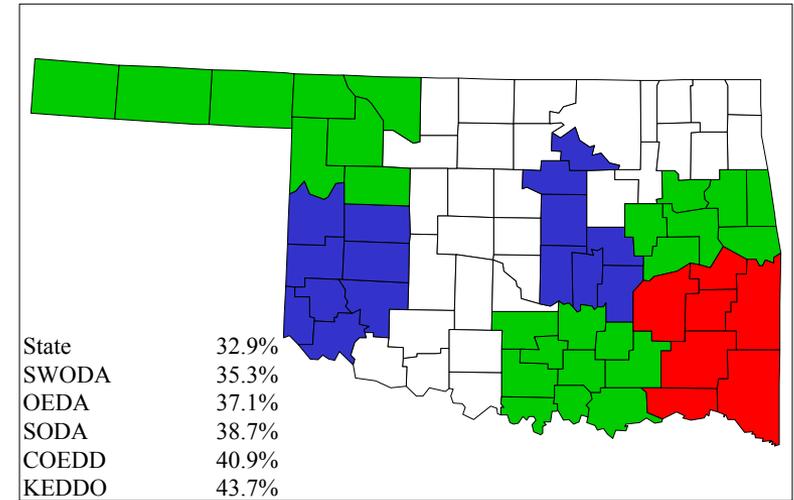




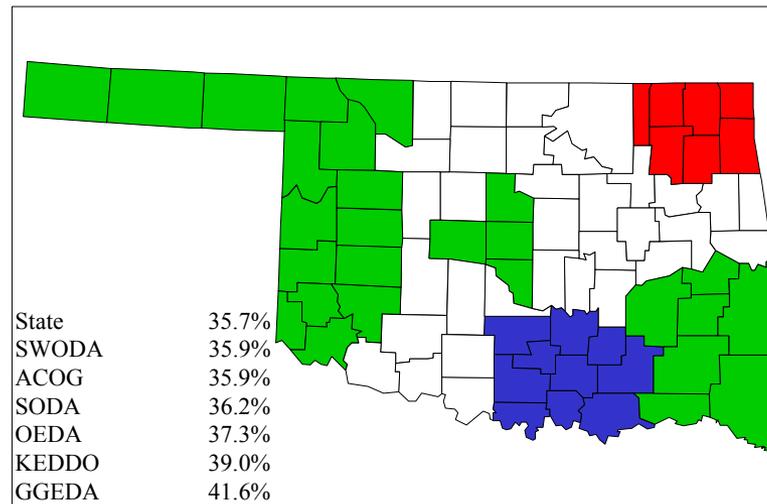
### Adults Age 18 and older without any health coverage by Planning District: BRFSS 1997-2001



### Women 40 years old and up who had not had a Mammography in 2 years by Planning District: BRFSS 1997-2001



### Percentage Breast Cancers Diagnosed at Regional or Distant Stage: OCCR 1997-2001



- Highest Rates
- Moderately High Rate
- Slightly Higher than the State
- Below the State Rates

Rate per 100,000  
Age-adjusted to 2000 US Population





# Mortality

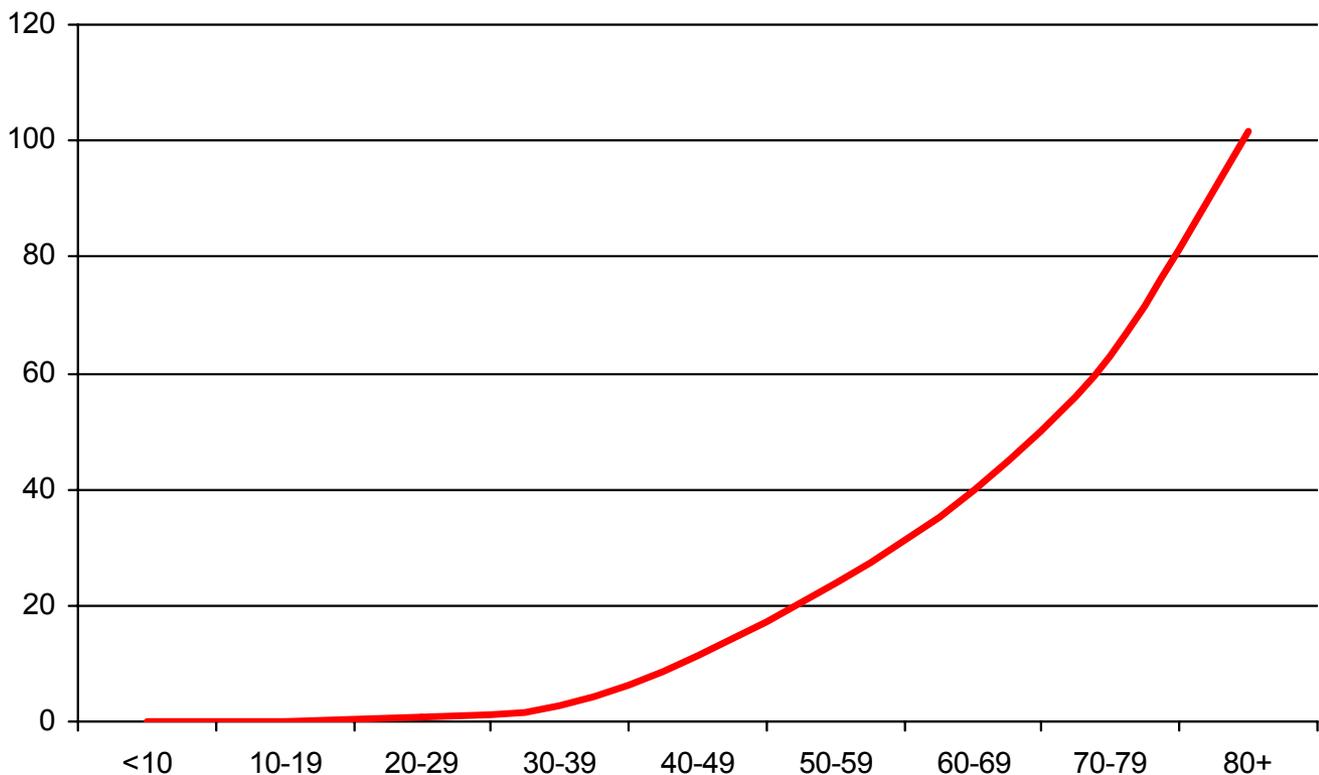
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# Breast Cancer Mortality Rate

## by Age Oklahoma 2002



Rate per 100,000

Age-adjusted to 2000 US Population

Oklahoma Vital Records-2002

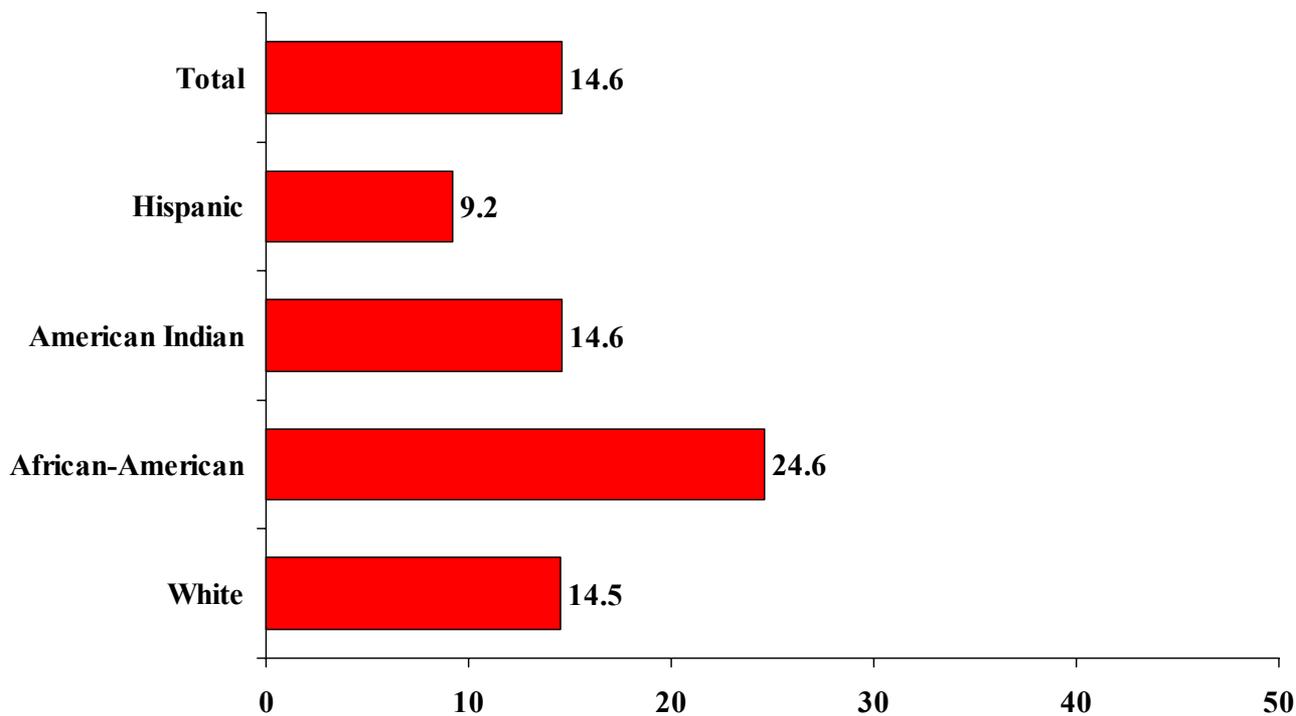




# Breast Cancer Mortality Rate

## by Race/Ethnicity Oklahoma 2002

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Rate per 100,000

Age-adjusted to 2000 US Population

Oklahoma Vital Records-2002





# Breast Cancer

## Who gets it and who dies from it?

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Race	Age-Adjusted Incidence Rate 1997-2001	Percent Regional or Distant Stage 1997-2001	Adjusted Death Rate 1999-2001
White	71.6	28.8%	13.9
African-American	64.8	40.4%	23.3
American Indian	55.3	40.0%	14.2

Rate per 100,000  
Age-adjusted to 2000 US Population





# The Good News!

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## **Breast and Cervical Cancer Treatment Medicaid Plan Amendment**

- SB 741– Amended May 2001 Directs the Health Care Authority to develop a program for Medicaid eligibility and services for individuals in need of breast or cervical cancer treatment.
- SB 978-- April 2004 Appropriation of \$2 Million to Oklahoma Health Care Authority (+\$500,000 from Tobacco Tax)
- HB 2552-- May 2004 “Belle Maxine Hilliard Breast and Cervical Cancer Treatment Revolving Fund”





# The Good News!

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## Client Eligibility

- Income at or below 185% FPL
- No creditable insurance coverage
- US Citizen or qualified alien
- Oklahoma citizen
- Abnormal finding on screening
- Not otherwise eligible for Medicaid





Thank You!

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