Cancer Incidence and Mortality
Delaware 2006-2010

Delaware Cancer Consortium
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Cancer Incidence & Mortality Report
Delaware, 2006-2010

- All cancer sites combined
- Eight individual cancer types
- Cancer sites associated with HPV infection
- Census tract analyses
Cancer Incidence
Delaware, 2006-2010

- 25,475 cases of cancer diagnosed among Delawareans
  - 53.2 percent male
  - 46.8 percent female
- Average of 5,095 cancer cases per year
How do Delaware’s cancer incidence rates compare with the U.S. rates?
Most Common Cancer Sites for Incidence Delaware, 2006-2010

- **Males**
  - prostate – 31.1%
  - lung – 14.2%
  - colorectal – 8.6%
  - urinary bladder – 6.8%

- **Females**
  - breast – 28.3%
  - lung – 15.3%
  - colorectal – 9.2%
  - uterus – 6.2%
Cancer Mortality
Delaware, 2006-2010

- 9,197 deaths from cancer among Delawareans
  - 52.4 percent are male
  - 47.6 percent are female
- Average of 1,840 cancer deaths per year
How do Delaware’s cancer mortality rates compare with the U.S. rates?
Delaware’s Cancer Mortality Patterns by Sex and Race
Deadliest Cancer Types in Delaware

- **Males**
  - lung – 30.6%
  - prostate – 9.3%
  - colorectal – 8.9%
  - pancreas – 5.8%

- **Females**
  - lung – 30.0%
  - breast – 14.1%
  - colorectal – 8.6%
  - pancreas – 6.0%
Lung Cancer

• Progress
  - incidence down 9.0% in DE compared with 7.1% U.S.
  - DE 19.0% local stage vs. U.S. 17.9%

• Challenges
  - current smokers = 19.7% vs. U.S. 19.6%
  - % distant stage increasing while % local stage decreasing
  - DE incidence significantly higher than U.S. (W M & W F)
  - DE mortality significantly higher than U.S. (W & F)
  - DE women 4\textsuperscript{th} highest incidence & 3\textsuperscript{rd} highest mortality
Colorectal Cancer

Progress

- DE 4\textsuperscript{th} highest in screening – 75.1\% vs. 67.3\% U.S.
- % local stage equal for Caucasians and African Americans
- DE incidence down 26.4\% vs. U.S. 18.9\%
- DE incidence 24\textsuperscript{th} (was 19\textsuperscript{th}) & mortality 24\textsuperscript{th} (was 21\textsuperscript{st})
- racial disparity in incidence no longer stat. significant
- DE mortality down 28.3\% vs. 22.6\% U.S.

Challenges

- incidence in males still significantly higher than females
- mortality in males also significantly higher than females
Female Breast Cancer

Progress

- DE 3rd highest in nation for breast cancer screening in 2012
- local stage dx = 65.1% versus U.S = 62.2%
- narrowing of racial disparity for local and regional stage @ dx
- mortality declined 28.7% in DE vs. 18.4% U.S.

Challenges

- most common cancer in women
- since 1996-2000, DE incidence decreased 6.9% vs. U.S. down 11.1%
- among blacks, DE incidence increased 7.2% while U.S. rate down 1.4%
- no decline in distant stage
Prostate Cancer

Progress

- DE PSA rate 2nd highest - 52.7% vs. 45.2% U.S.
- since 1980-1984, % local stage increased from 50% to 73.2%
- DE cases diagnosed in local stage = 85.8% vs. 80.0% U.S.
- DE cases diagnosed in distant stage = 2.9% vs. 4.1% U.S.

Challenges

- more conversations with healthcare providers
- DE’s incidence significantly higher than U.S.
- incidence significantly higher in blacks than whites
- incidence increasing 13.4% among blacks vs. 8.7% whites
Burden of HPV-Associated Cancers

- two prophylactic vaccines in 2006
- Delaware’s vaccination rate (3+ doses) higher among blacks than whites (49.6% vs. 44.7 %)
- Delaware’s vaccination rate significantly higher than U.S.
- cancer cases associated with HPV
- cancer cases attributable to HPV
Goal 1 of the Data Committee:

Ensure utilization of Delaware Cancer Registry data for public health and surveillance research

- Current Informal Investigations
  - liver cancer
  - melanoma of the skin
Next Steps –

- all cancer sites combined
- breast, colorectal, lung and prostate cancers
- additional cancers:
  - kidney cancer
  - leukemia
  - multiple myeloma
  - thyroid cancer
- special chapter on liver cancer and hepatitis C
- census tract analyses
website:

http://dhss.delaware.gov/dph/dpc/cancer.html

Questions?