

The Impact of Prostate Cancer in New Jersey

Daniel M. Rosenblum, Ph.D.

Co-coordinator,  **Essex County
Cancer Coalition**
www.umdnj.edu/EssCaWeb

Assistant Professor

Department of Preventive
Medicine & Community Health
New Jersey Medical School

Department of
Quantitative Methods
School of Public Health

University of Medicine and Dentistry of New Jersey,
Newark Campus



Lifetime Probability of Ever Being Diagnosed with Prostate Cancer, All Men

USA 15.9% NJ 17.7%

*(Compare lifetime probability of
breast cancer for all women:
USA 12.1% NJ 12.4%)*

2004-2006 data from National Cancer Institute, SEER, and NJDHSS, CES.

Lifetime Prostate Cancer Risks (Nationwide %)

<i>Race/Ethnicity</i>	<i>Ever Getting Diagnosed</i>	<i>Dying</i>
Black (includes Hispanic)	18.3	4.4
White (includes Hispanic)	15.4	2.6
Hispanic (can be any race)	15.1	3.1
Asian/Pacific Islander	11.7	2.4
Amer. Indian/Alaskan Native	7.5	2.3

2004-2006 data from National Cancer Institute, SEER & NCHS.

Prostate Cancer Risks If You're 50 (Nationwide %)

<i>Race/Ethnicity</i>	<i>Ever Getting Diagnosed</i>	<i>Dying</i>
Black (includes Hispanic)	20.8	5.1
White (includes Hispanic)	16.4	2.9
Hispanic (can be any race)	16.0	3.3
Asian/Pacific Islander	12.1	2.5
Amer. Indian/Alaskan Native	8.5	2.7

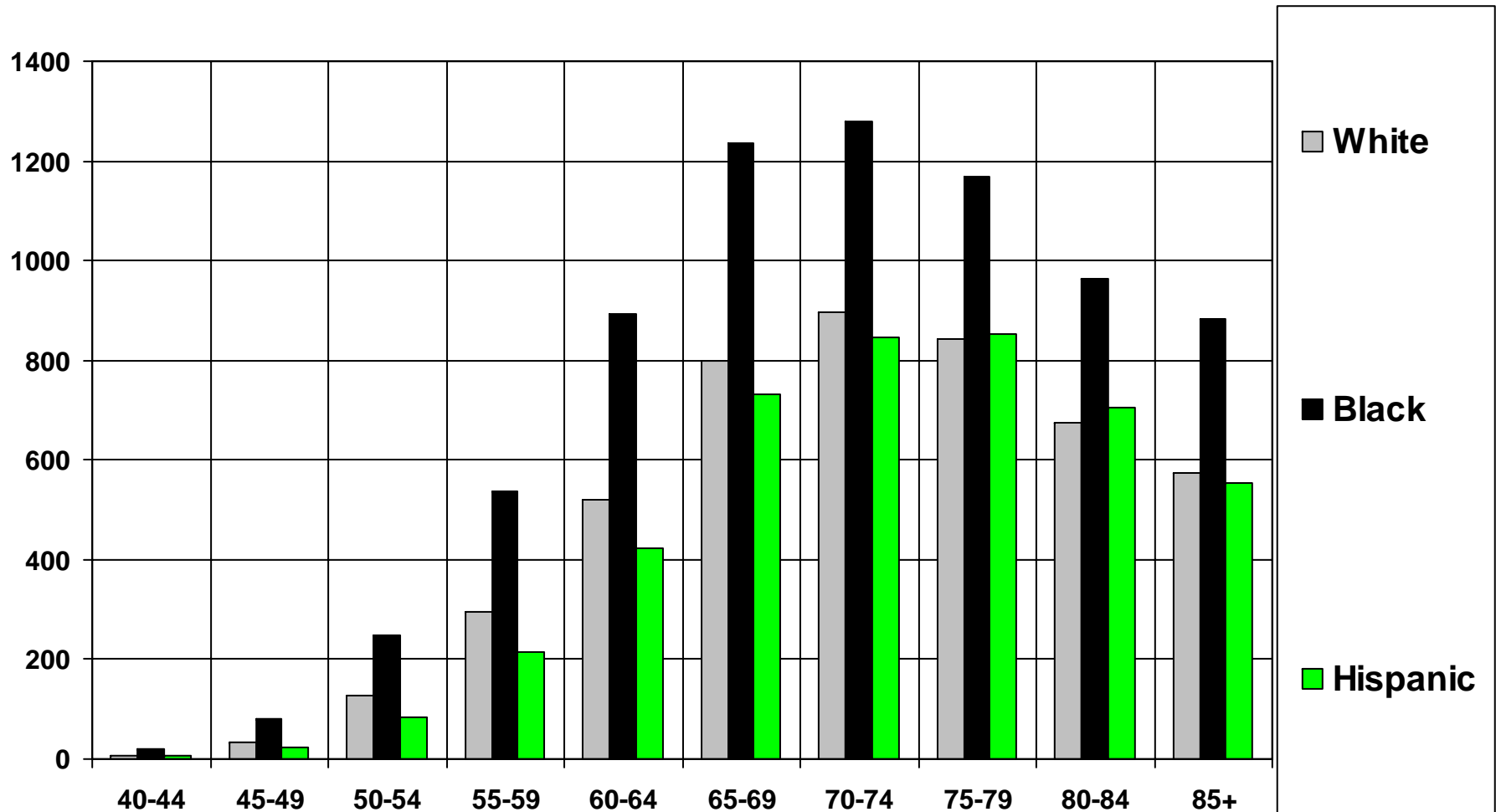
2004-2006 data from National Cancer Institute, SEER & NCHS.

Prevalence of Prostate Cancer

	U.S. (estimated based on data through 2006)	N.J. (estimated on 01/01/2003)
White	1,923,891	51,457 (1.6%)
Black	273,813	7,520 (1.2%)
40-64		11,807 (0.9%)
65+		49,659 (11.0%)
Total	2,276,112	61,483 (1.5%)

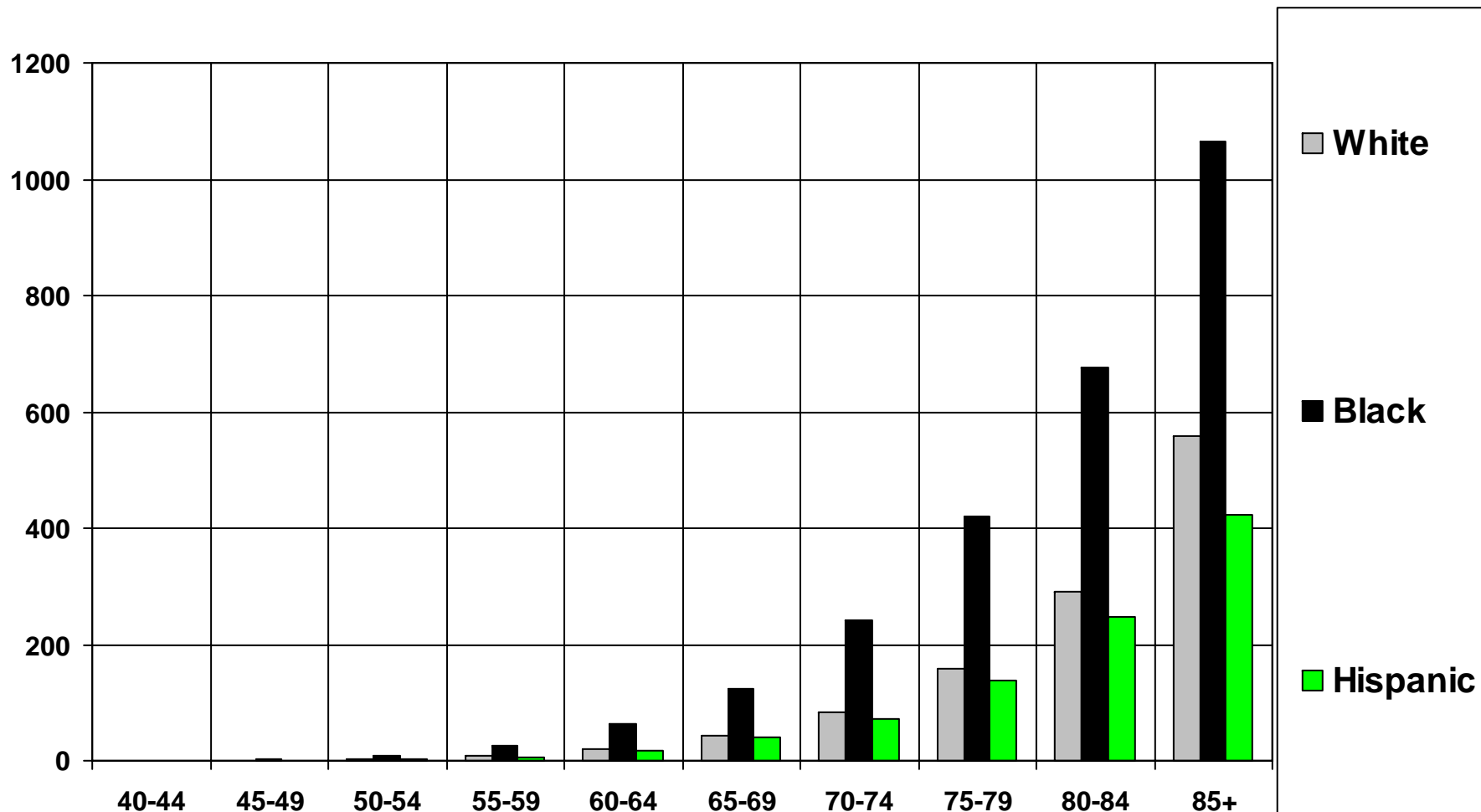
THE RACIAL & ETHNIC DISPARITY

U.S. Annual Prostate Cancer Incidence per 100,000, 2002-2006

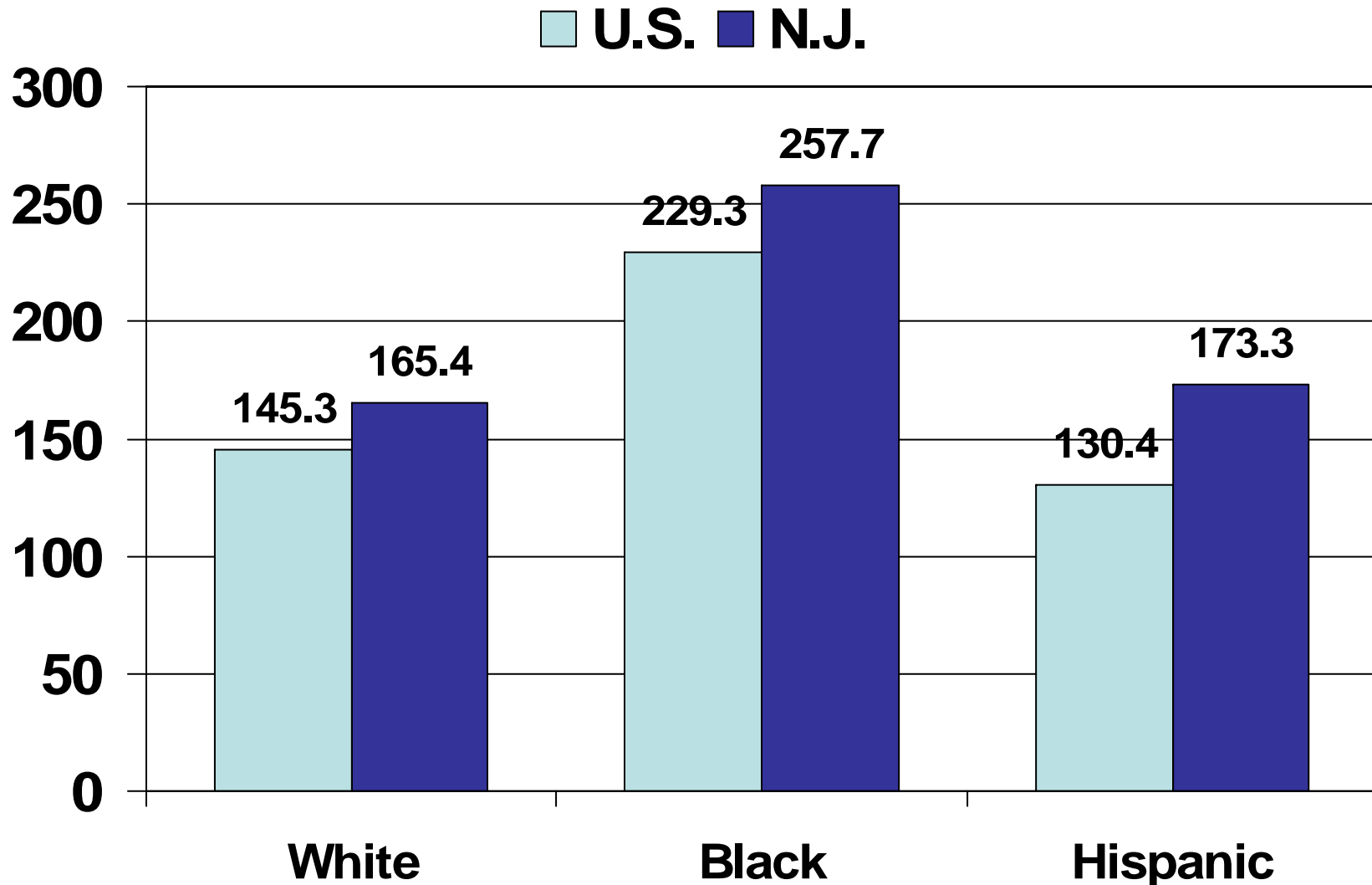


THE RACIAL & ETHNIC DISPARITY

U.S. Annual Prostate Cancer Mortality per 100,000, 2002-2006

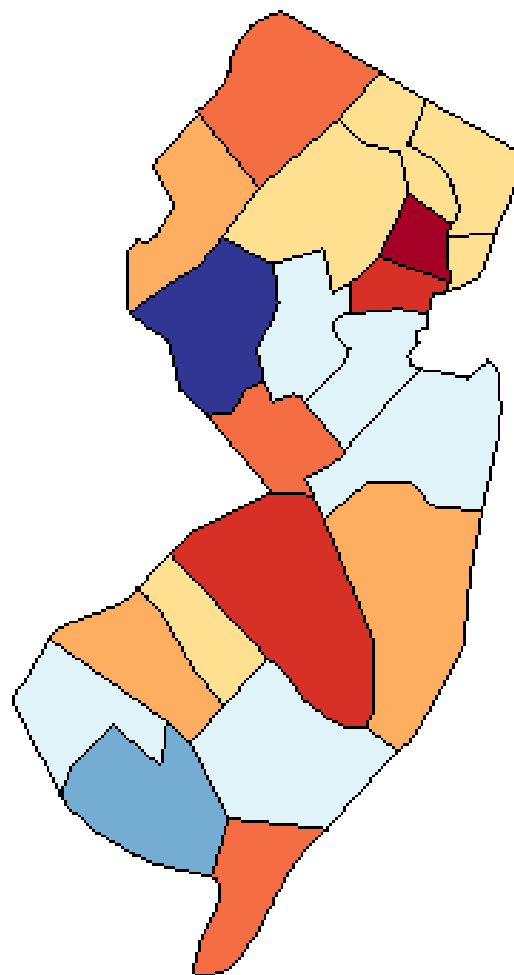


Age-Adjusted Annual Incidence of Prostate Cancer per 100,000 Men, 2002-2006



NJ overall has the 5th highest incidence rate in the country.

Incidence Rates[†] for New Jersey, 2002 - 2006
Prostate
All Races (includes Hispanic), Male, All Ages



Age- Adjusted
Annual Incidence Rate
(Cases per 100,000)

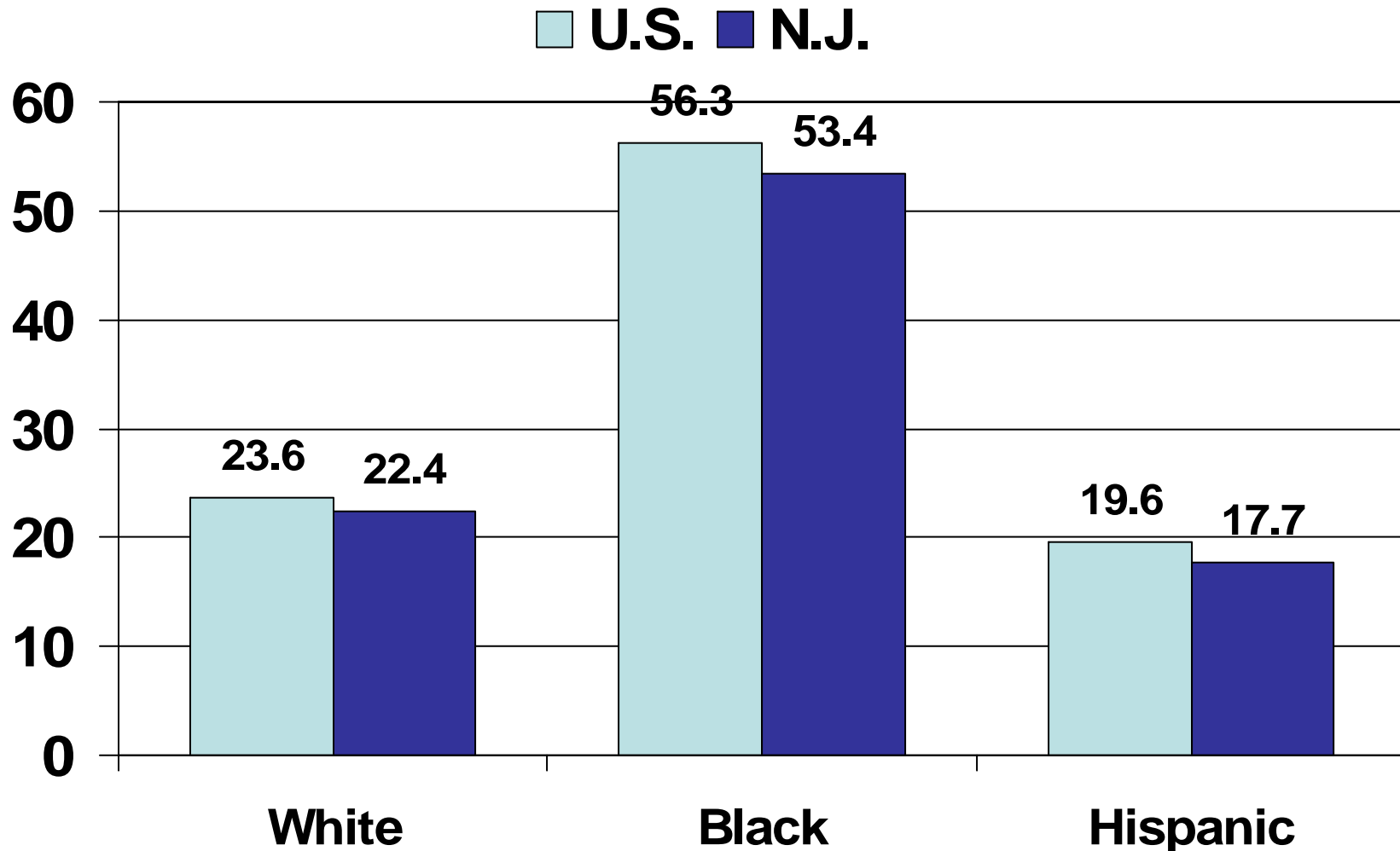
Equal Interval

- 206.9 to 216.7
- 197.0 to 206.8
- 187.1 to 196.9
- 177.2 to 187.0
- 167.3 to 177.1
- 157.4 to 167.2
- 147.5 to 157.3
- 137.6 to 147.4
- 127.7 to 137.5
- 117.8 to 127.6

US (SEER + NPCR)
Rate (95% C.I.)
155.3 (155.0 - 155.6)

New Jersey
Rate (95% C.I.)
177.7 (175.8 - 179.6)

Age-Adjusted Annual Mortality Due to Prostate Cancer per 100,000 Men, 2002-2006



NJ overall is among the *lowest* – 40th out of 51 (including D.C.).

Supplemental Slides

The following slides are included here to give additional detailed information to those interested.

Data Sources

All data were downloaded during the week of May 3-7, 2010 from web sites of the following government agencies:

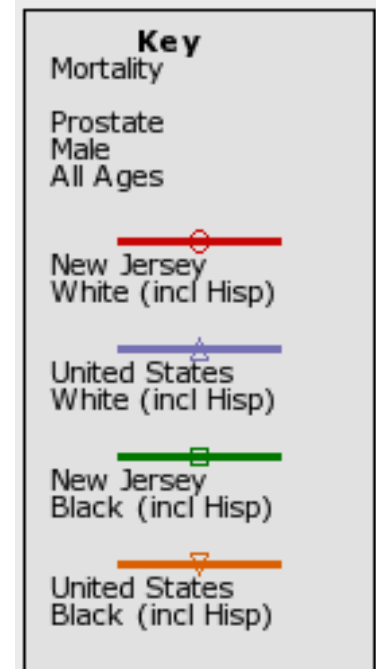
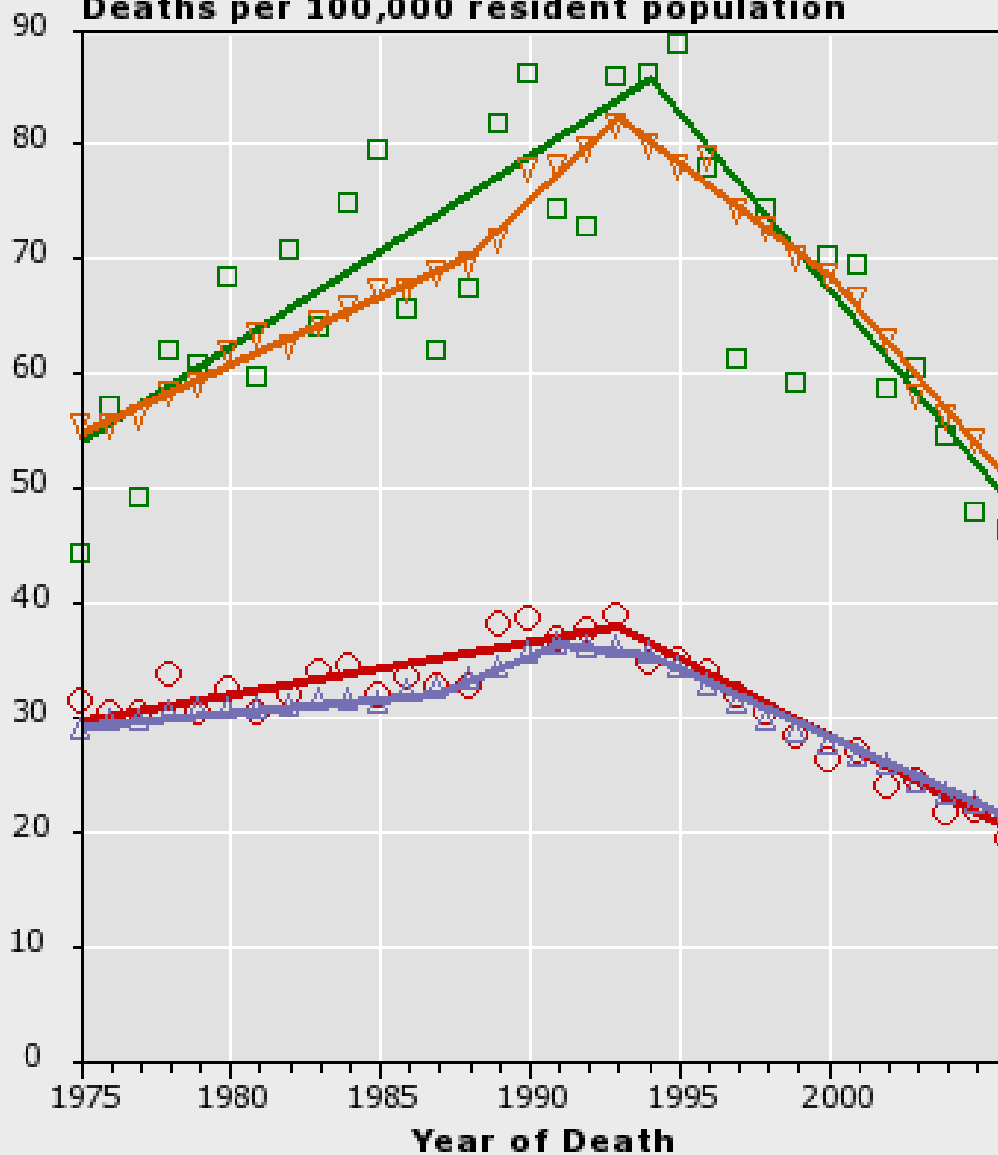
- Centers for Disease Control & Prevention (CDC) – United States Cancer Statistics (USCS),
- National Cancer Institute (NCI) – Surveillance, Epidemiology, and End Results (SEER) Program,
- NJ Dept of Health & Senior Services (NJDHSS) – Cancer Epidemiology Services (CES).

Historical Trends (1975-2006)

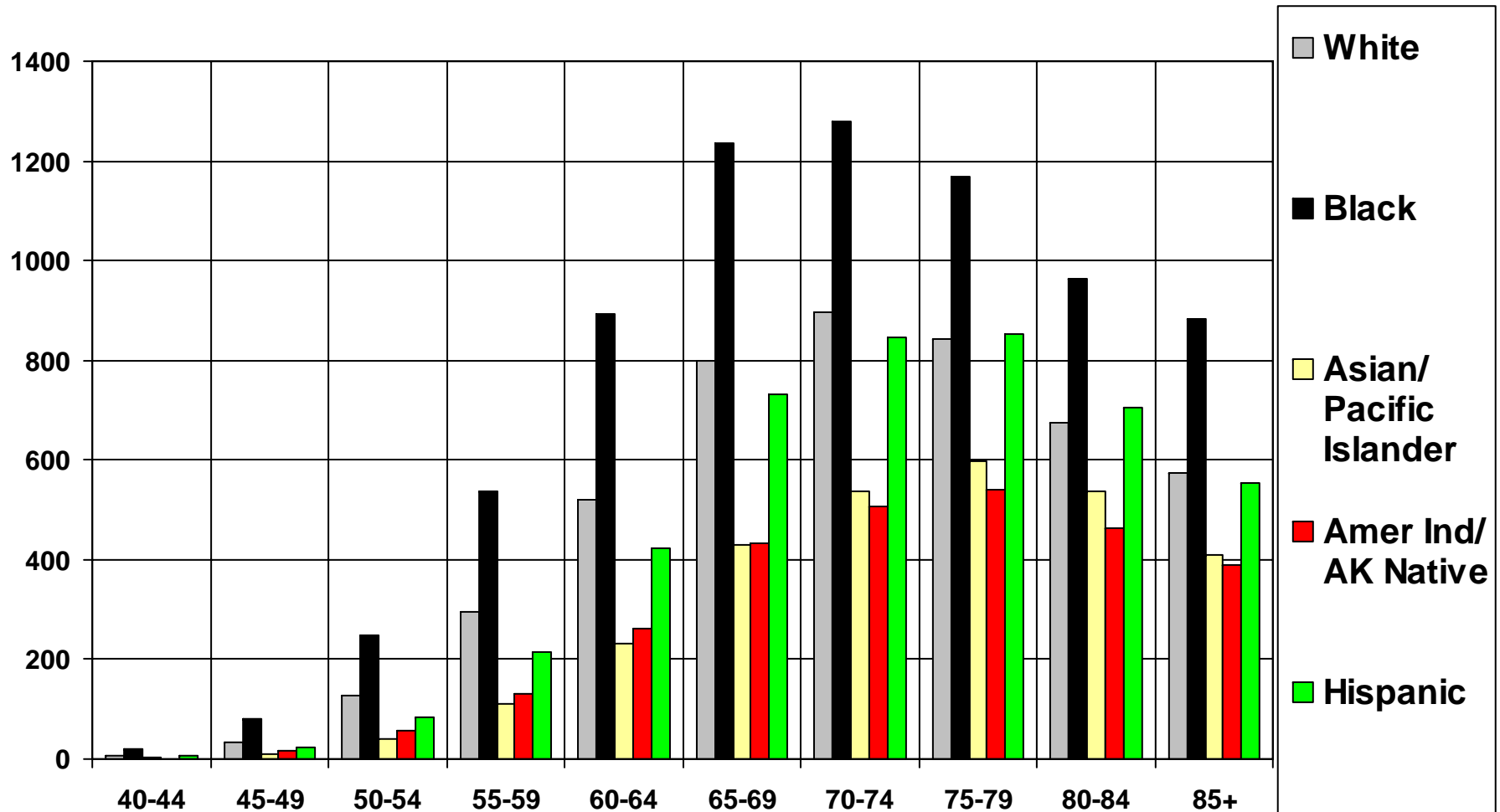
Mortality, Prostate

Male, All Ages

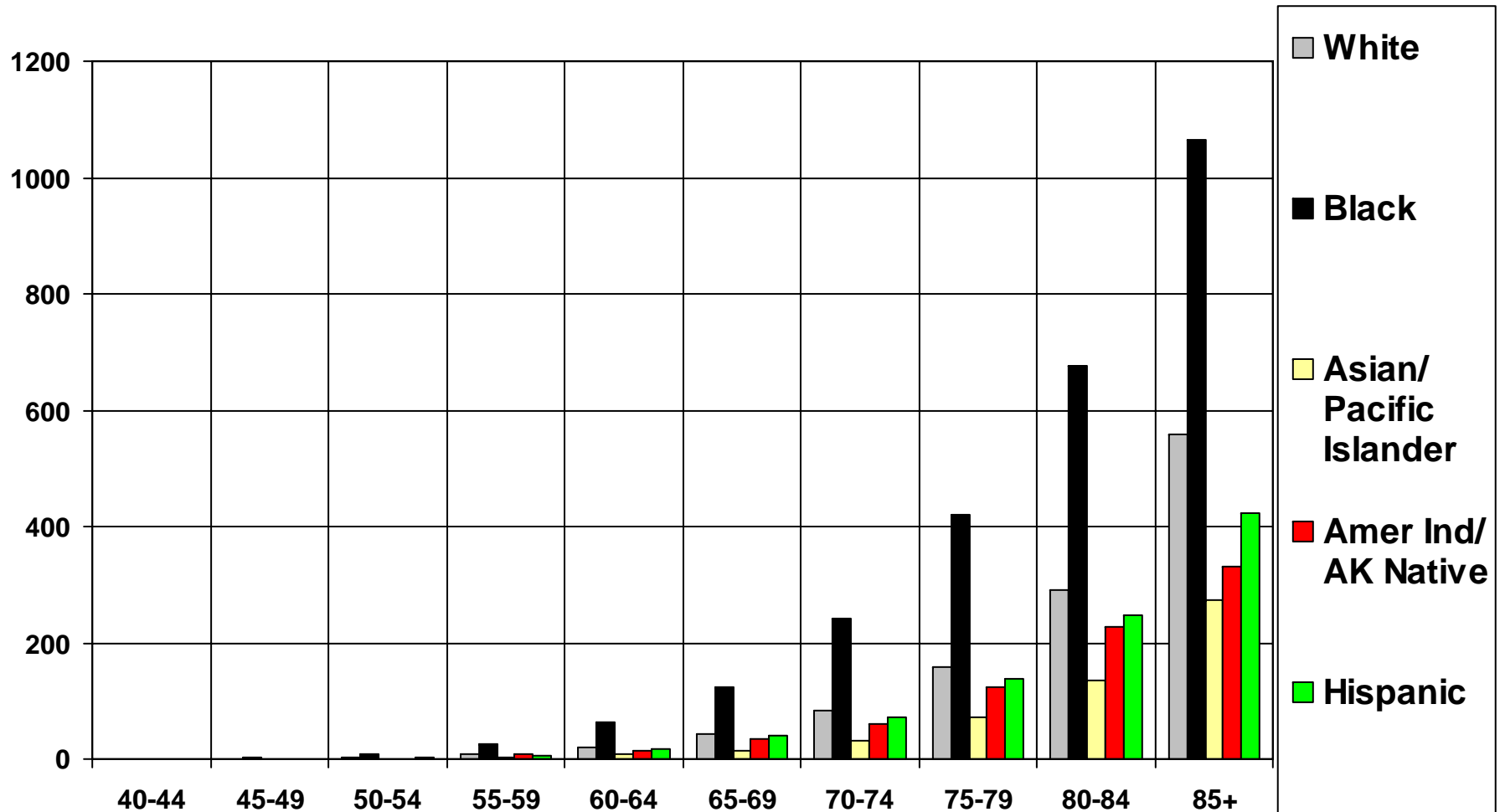
Deaths per 100,000 resident population



U.S. Annual Prostate Cancer Incidence per 100,000, 2002-2006



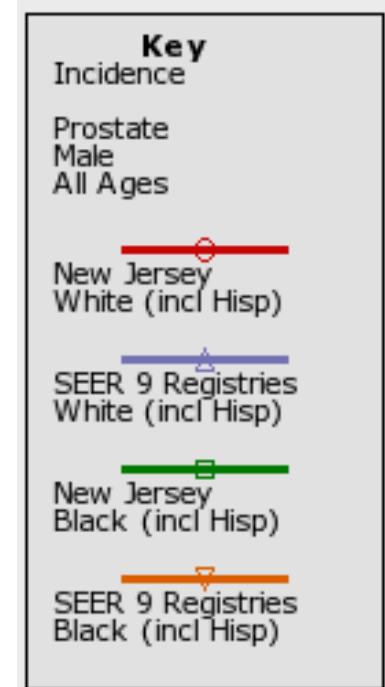
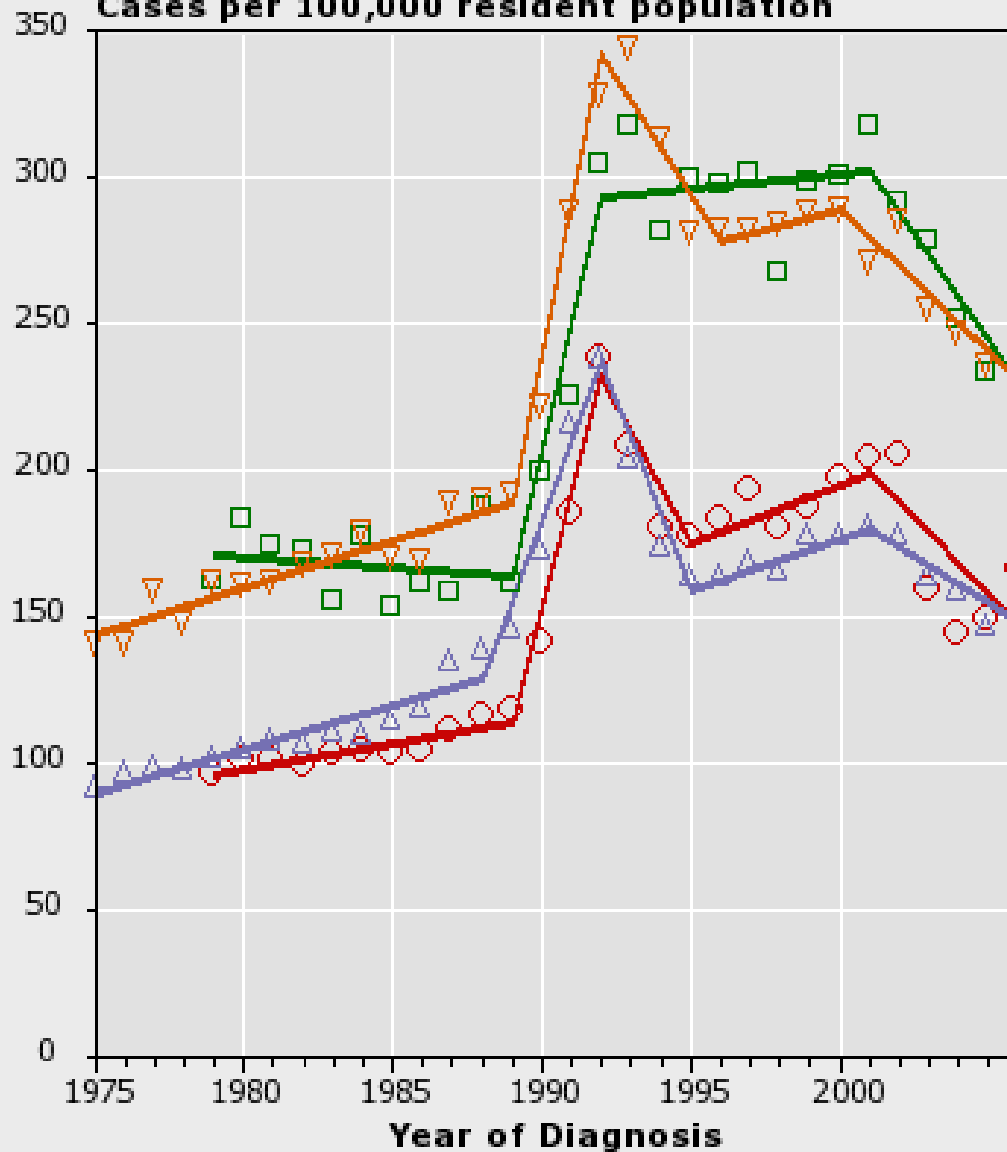
U.S. Annual Prostate Cancer Mortality per 100,000, 2002-2006



Historical Trends (1975-2006)

Incidence, Prostate Male, All Ages

Cases per 100,000 resident population

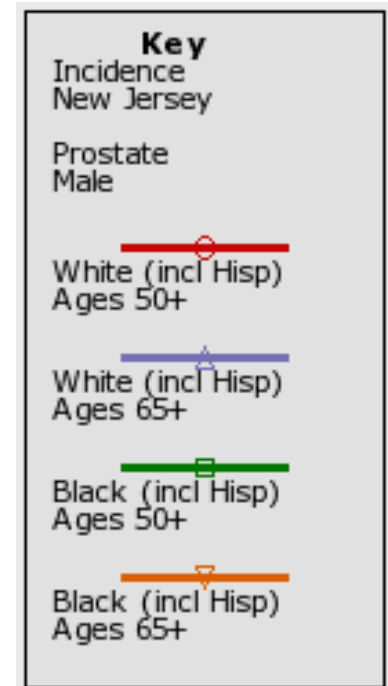
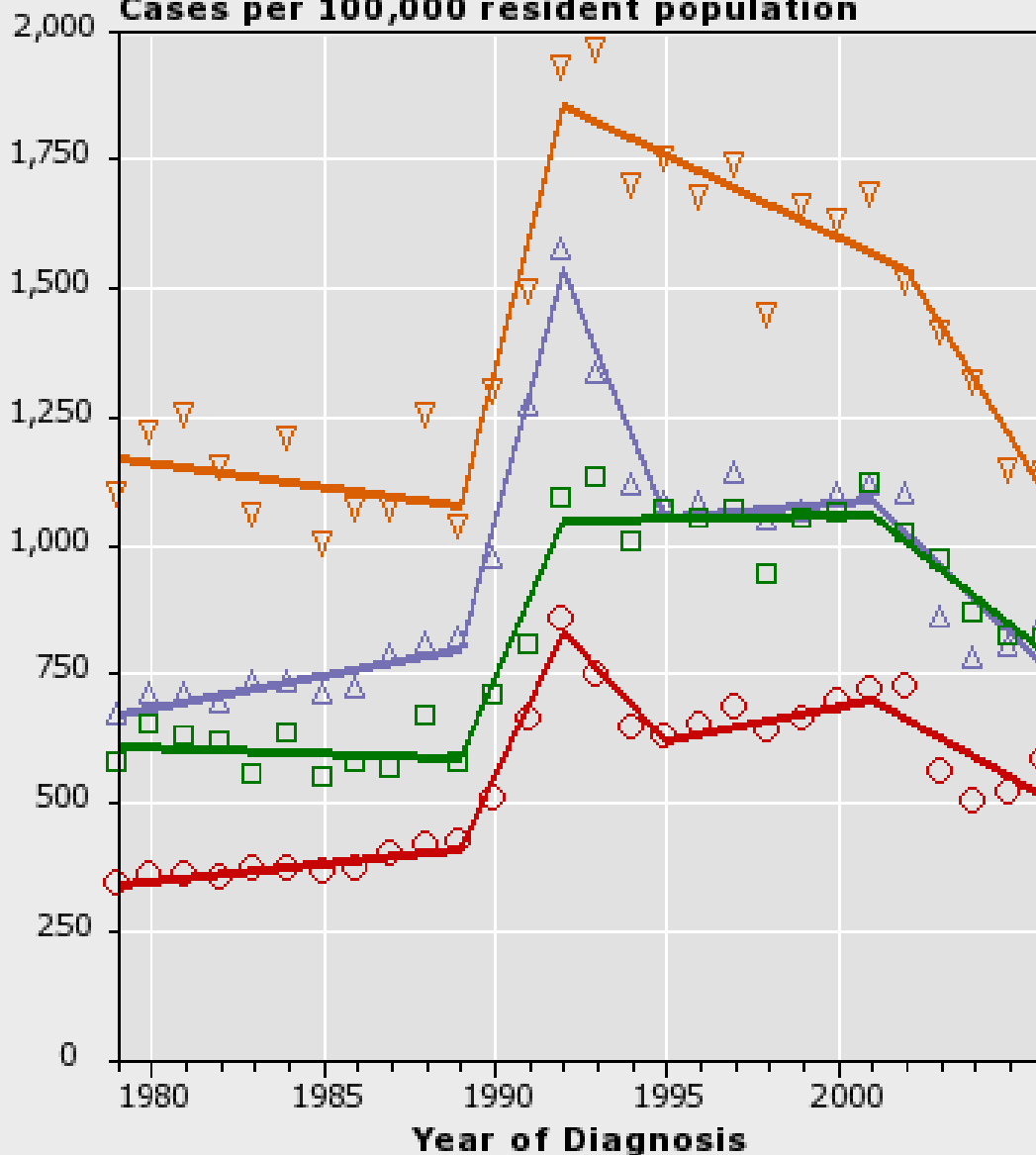


Historical Trends (1979-2006)

Incidence, New Jersey

Prostate, Male

Cases per 100,000 resident population



Historical Trends (1975-2006)

Mortality, New Jersey Prostate, Male

Deaths per 100,000 resident population

