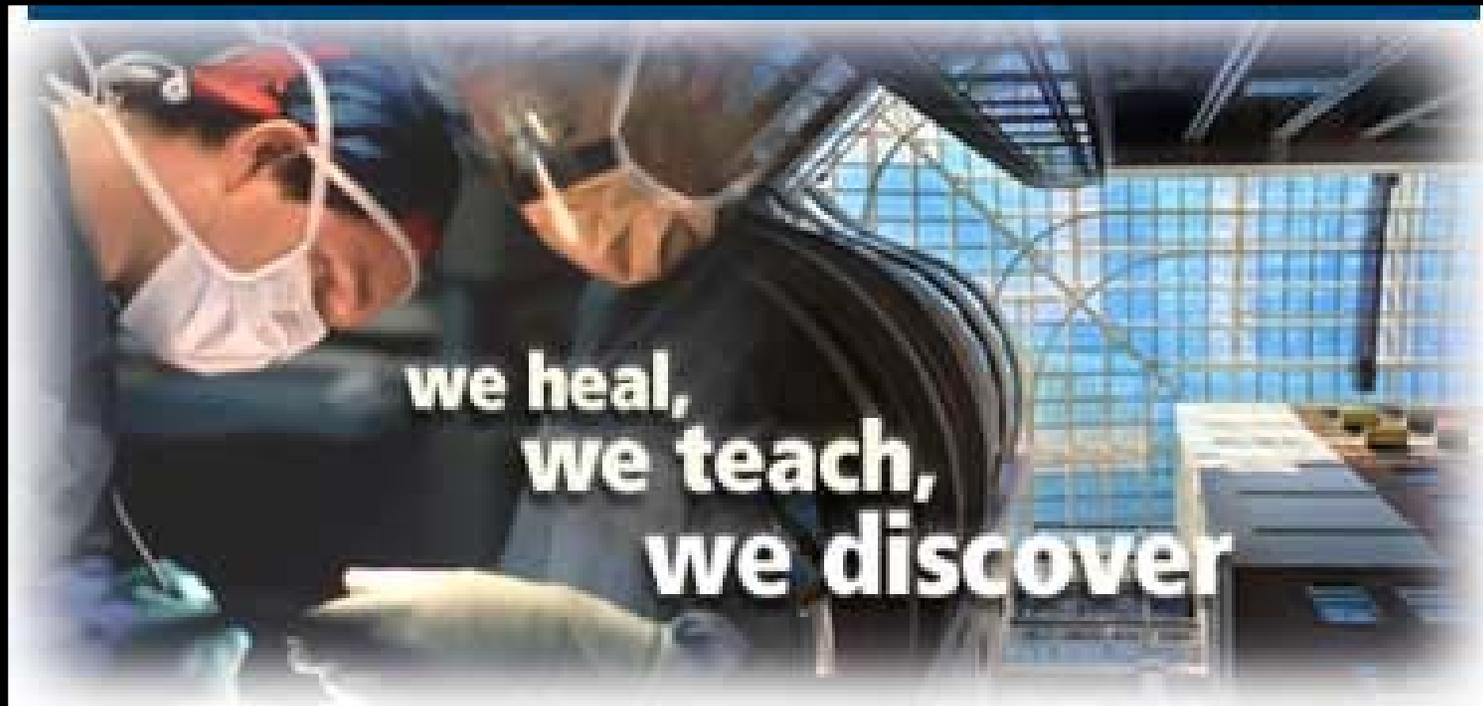


# Tobacco Control and the American Russian Cancer Alliance



Kevin J. Cullen, M.D. Director

University of Maryland Greenebaum Cancer Center

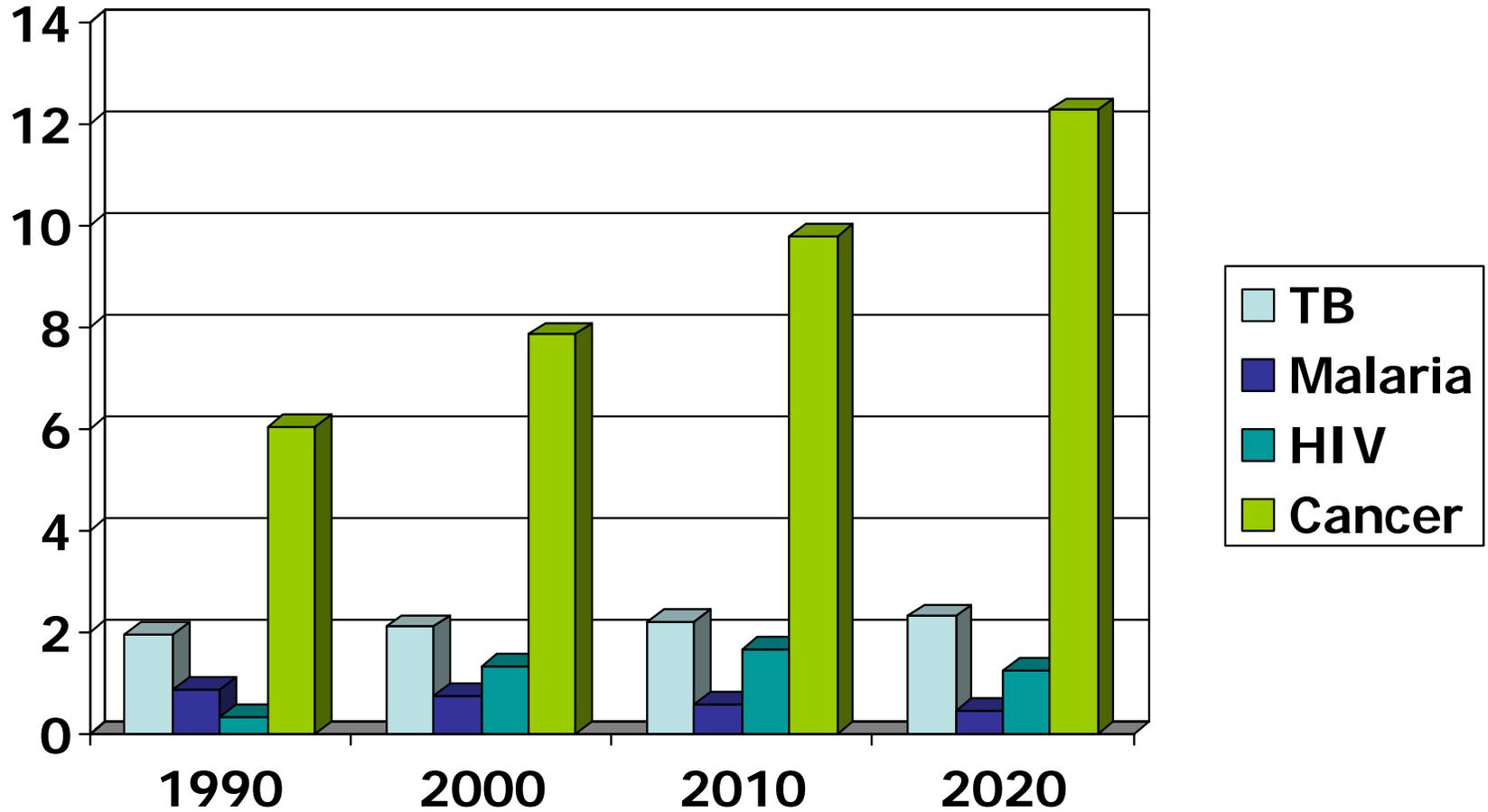
# Tobacco Impact

## *Background*

- Tobacco responsible for 1 in 10 adult deaths worldwide each year
- During 20<sup>th</sup> century, about 100 million deaths
- Estimated 1 billion deaths 21st century

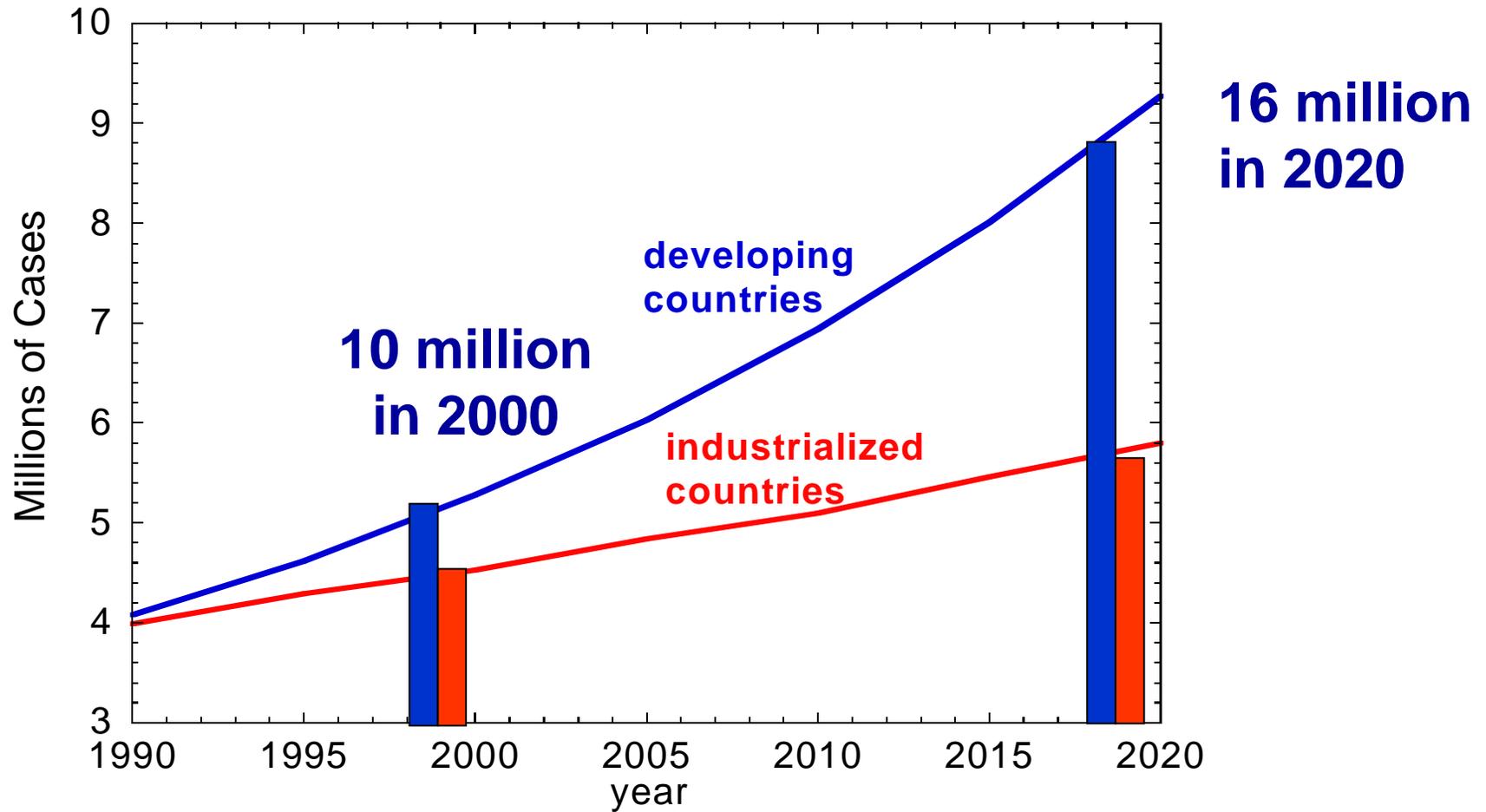


# Global Cancer Mortality (millions/yr)



Data Source: World Bank

# New Cancer Cases Annually



# Health Effects

## *Cardiovascular Diseases*

- In Russian Federation: 147,000 men and 16,200 women die

## *Respiratory Diseases*

- In Russian Federation: 31,000 men and 5,600 women die

## *Other Diseases*

# Consumption

## *Russian Federation*

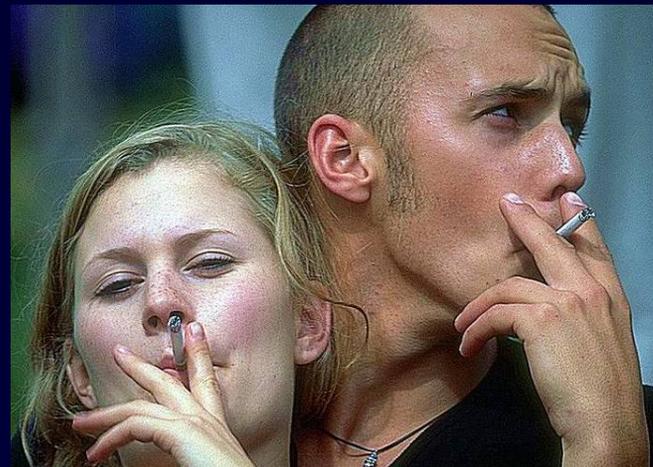
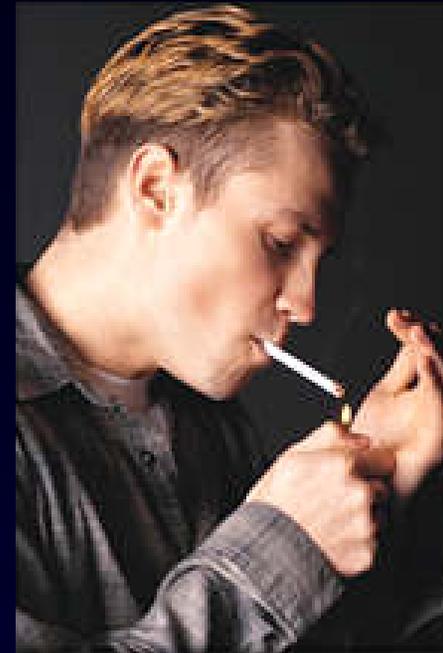
- One of top 5 highest cigarette consumption rates in world
- Male smoking rates: estimated 63%
- Female smoking rates: estimated 9%



# Youth Prevalence

## *Russian Federation*

- 25% of students grades 7-9 use tobacco
- 23% smoke cigarettes
- 11% smoke cigars
- 2-3% use other tobacco products



# Laryngeal Cancer - Worldwide

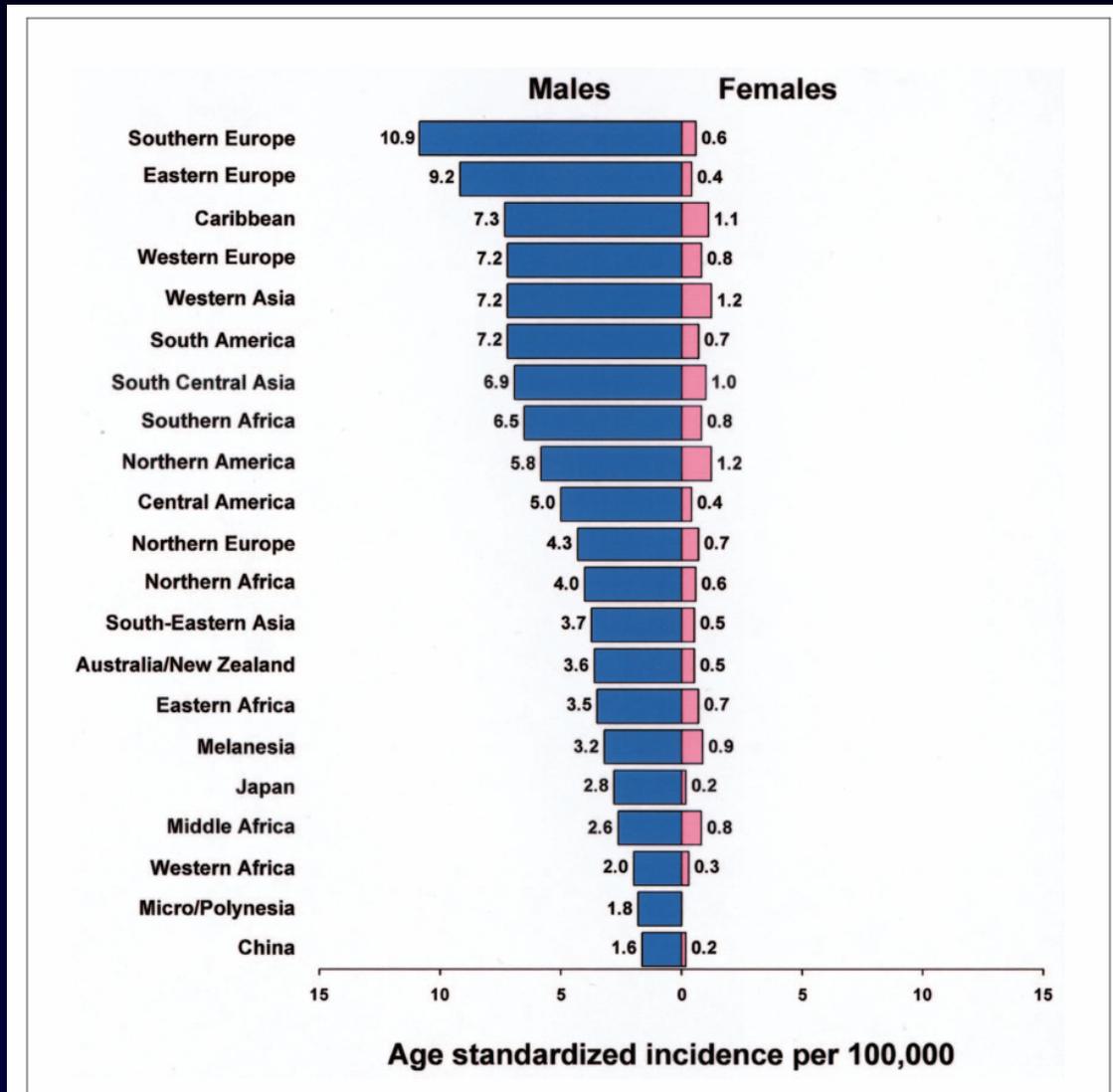
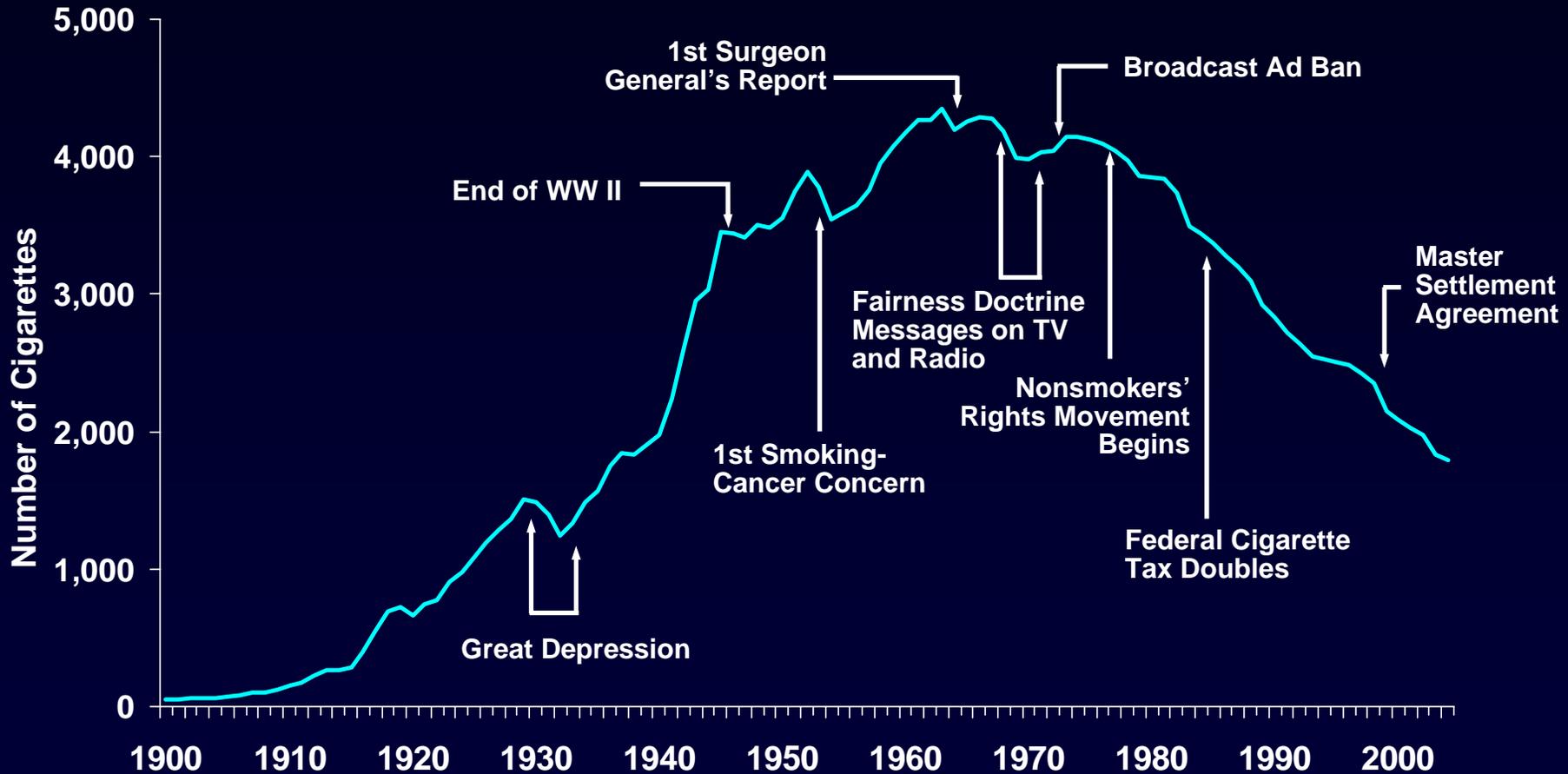


FIGURE 17 Age-standardized Incidence Rates for Larynx Cancer. Data shown per 100,000 by sex.

# Adult Per Capita Cigarette Consumption and Major Smoking-and-Health Events—United States, 1900-2004



Source: USDA Tobacco & Situation Outlook report, 2004 ;1986-2000 Surgeon General's Reports



# Increasing Price on Tobacco Products

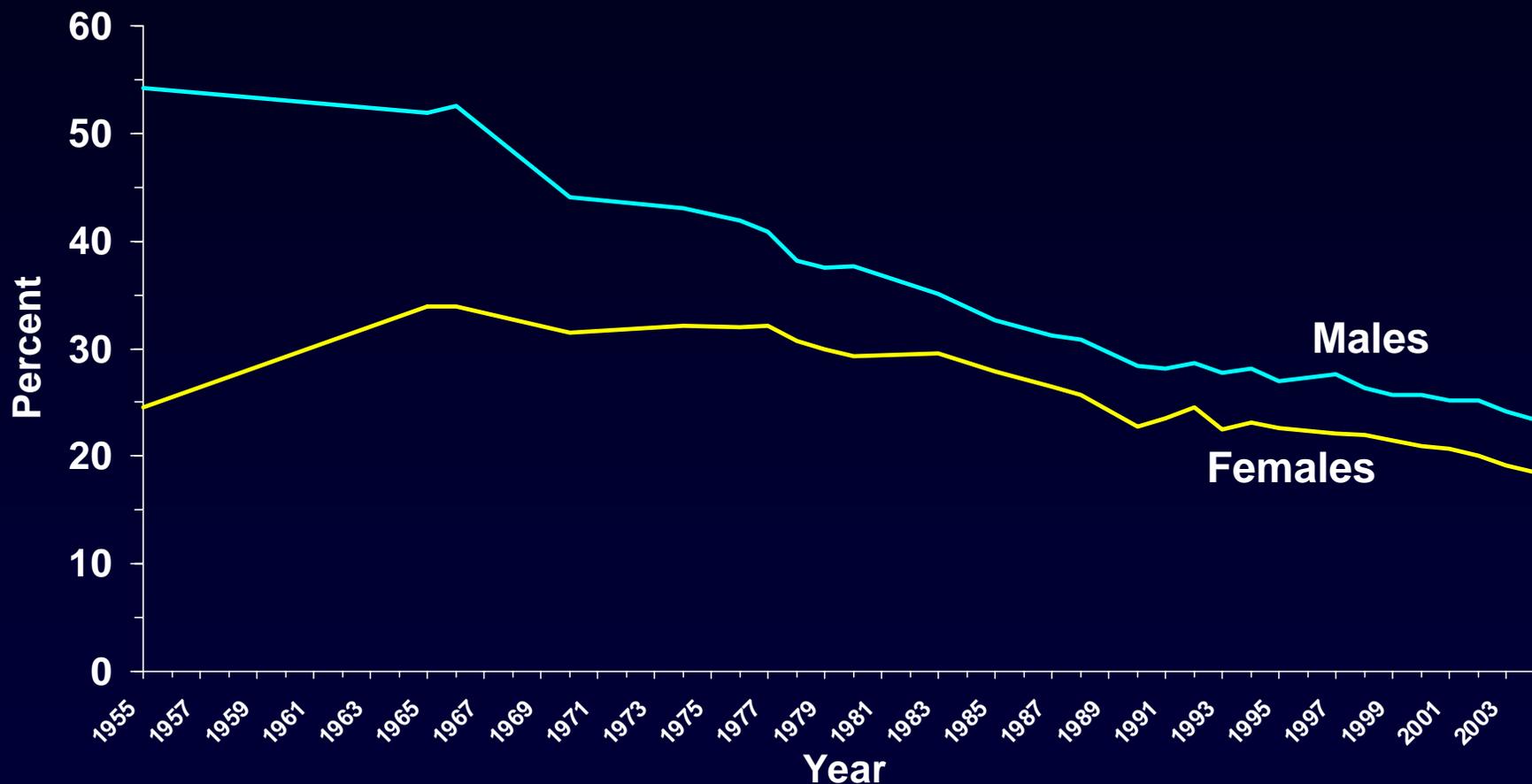
*For every 10% price increase*

- Youth
  - 3.7% decrease in prevalence
  - 2.3% decrease in consumption
- Adult
  - 1.5% decrease in prevalence
  - 1.9% decrease in consumption
- Increasing excise taxes may be most effective single intervention

# Worldwide Cigarette Prices

Country	Price
Norway	\$7.56
United Kingdom	\$6.33
Canada	\$4.76
Ireland	\$4.46

# Prevalence in Cigarette Smoking\* Among Adults—United States, 1965-2004



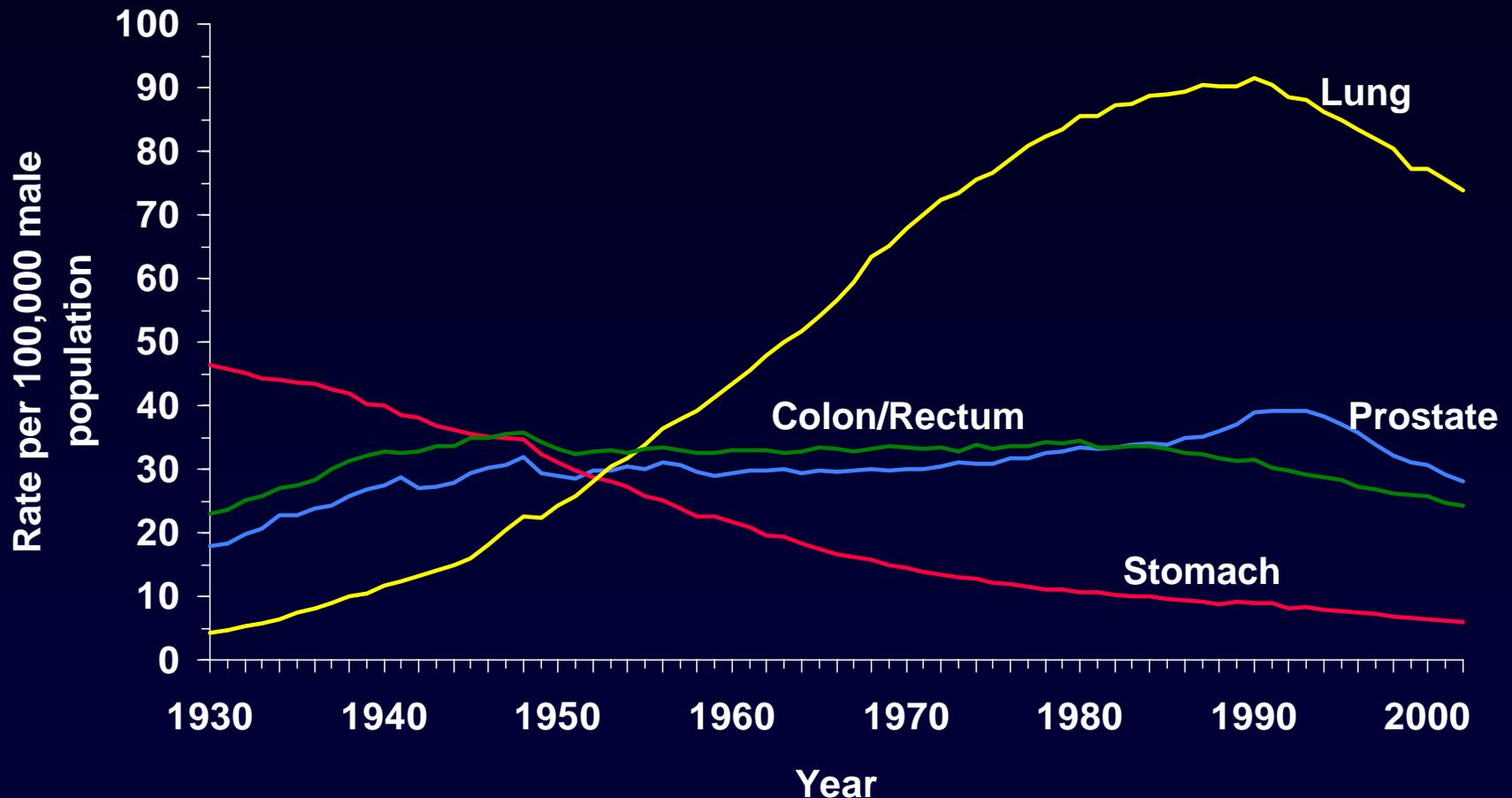
Source: National Health Interview Surveys; selected years, United States—1965-2004

Behavioral Risk Factor Surveillance System, California—1984-2004

\*Estimates since 1992 include some-day smoking



# Cancer Death Rates in Men by Site, United States, 1930-2002



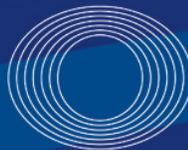
\*Age-adjusted to the 2000 US standard population.

Source: US Mortality Public Use Data Tapes 1960-2000, US Mortality Volumes 1930-1959, National Center for Health Statistics, Centers for Disease Control and Prevention, 2005.



# American Russian Cancer Alliance

# Российско-Американский Альянс по Онкологии



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РОССИЙСКИЙ  
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ИМ. БЛОХИНА РАМН

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