

Breast cancer screenig in Eastern Europe

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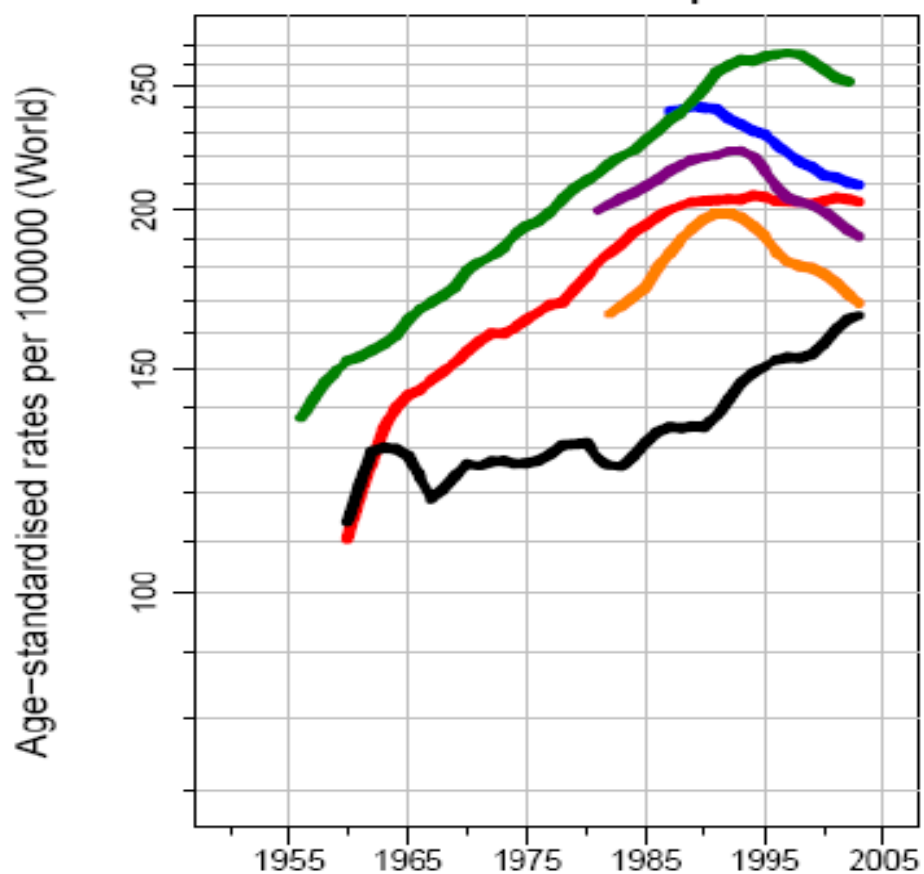
Warsaw

Europe

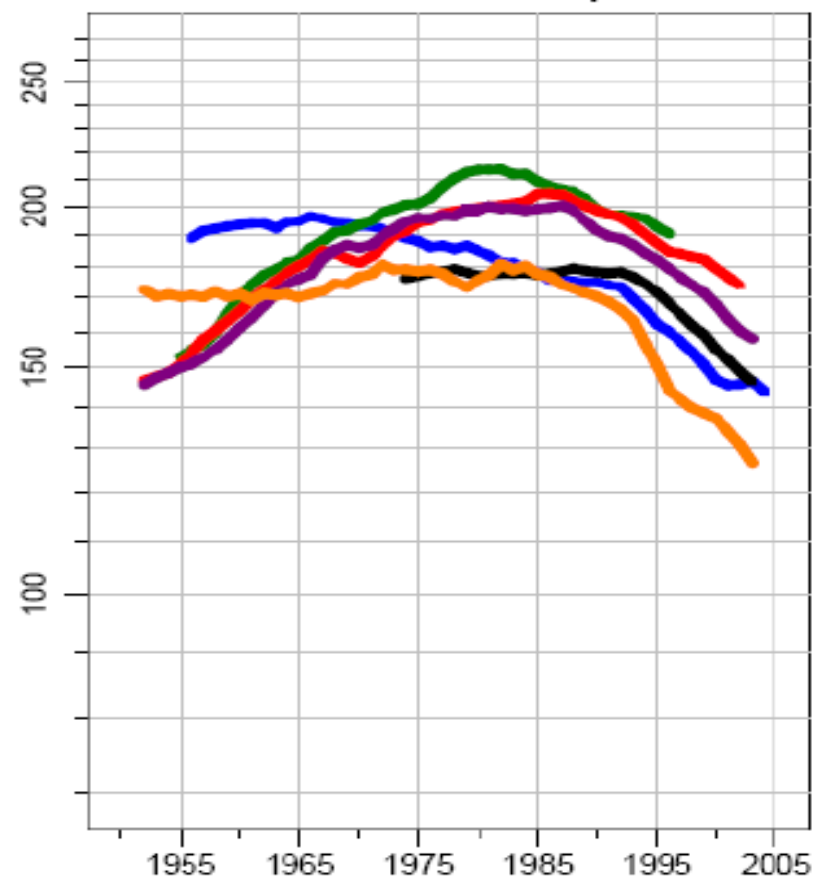
Causes of death

- Women
 - 45% cardiovascular
 - 23% cancer
 - 32% other
- Men
 - 38% cardiovascular
 - 33% cancer
 - 29% other

Eastern Europe



Western Europe

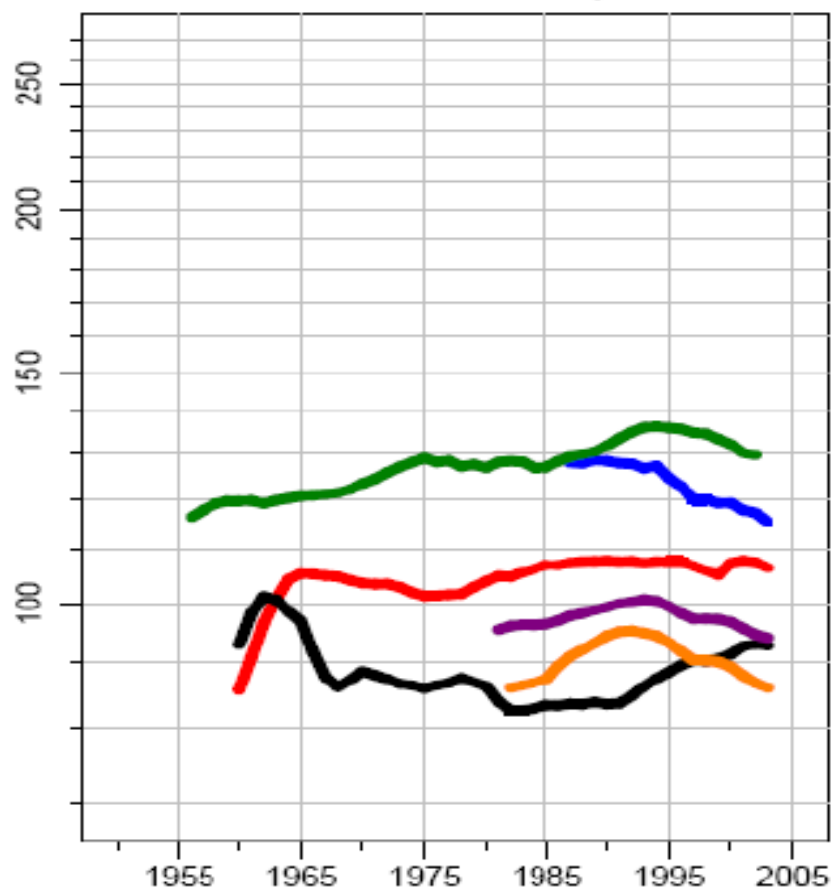


Mortality trends, all cancers, males, 1955-2005

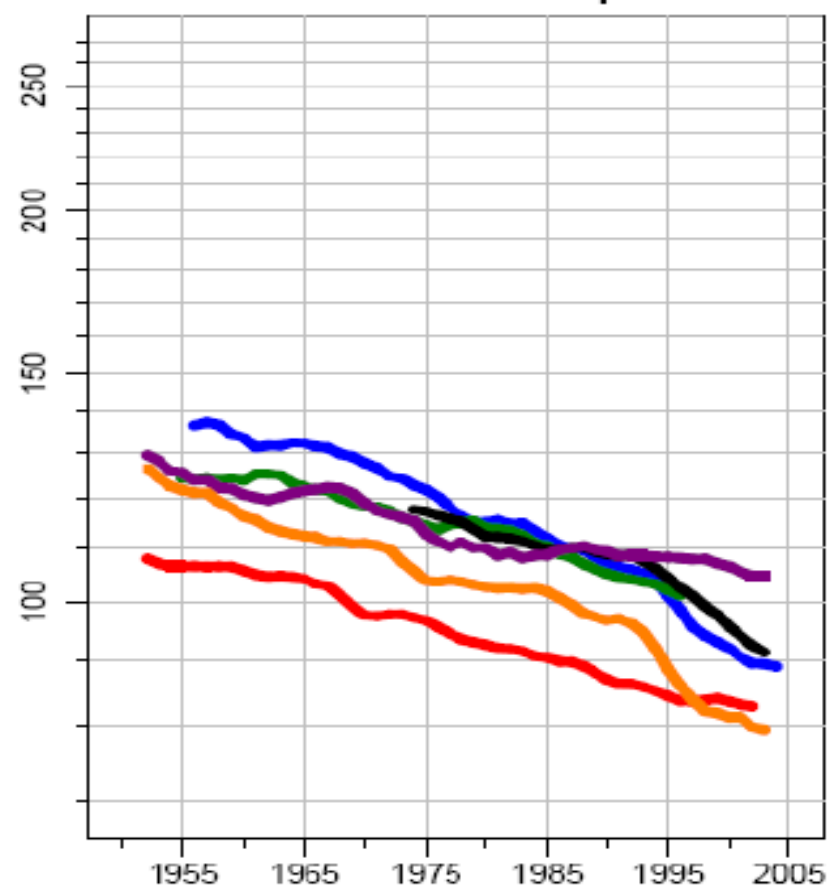


Age-standardised rates per 100000 (World)

Eastern Europe



Western Europe



Mortality trends, all cancers, females, 1955-2005



Eastern Europe

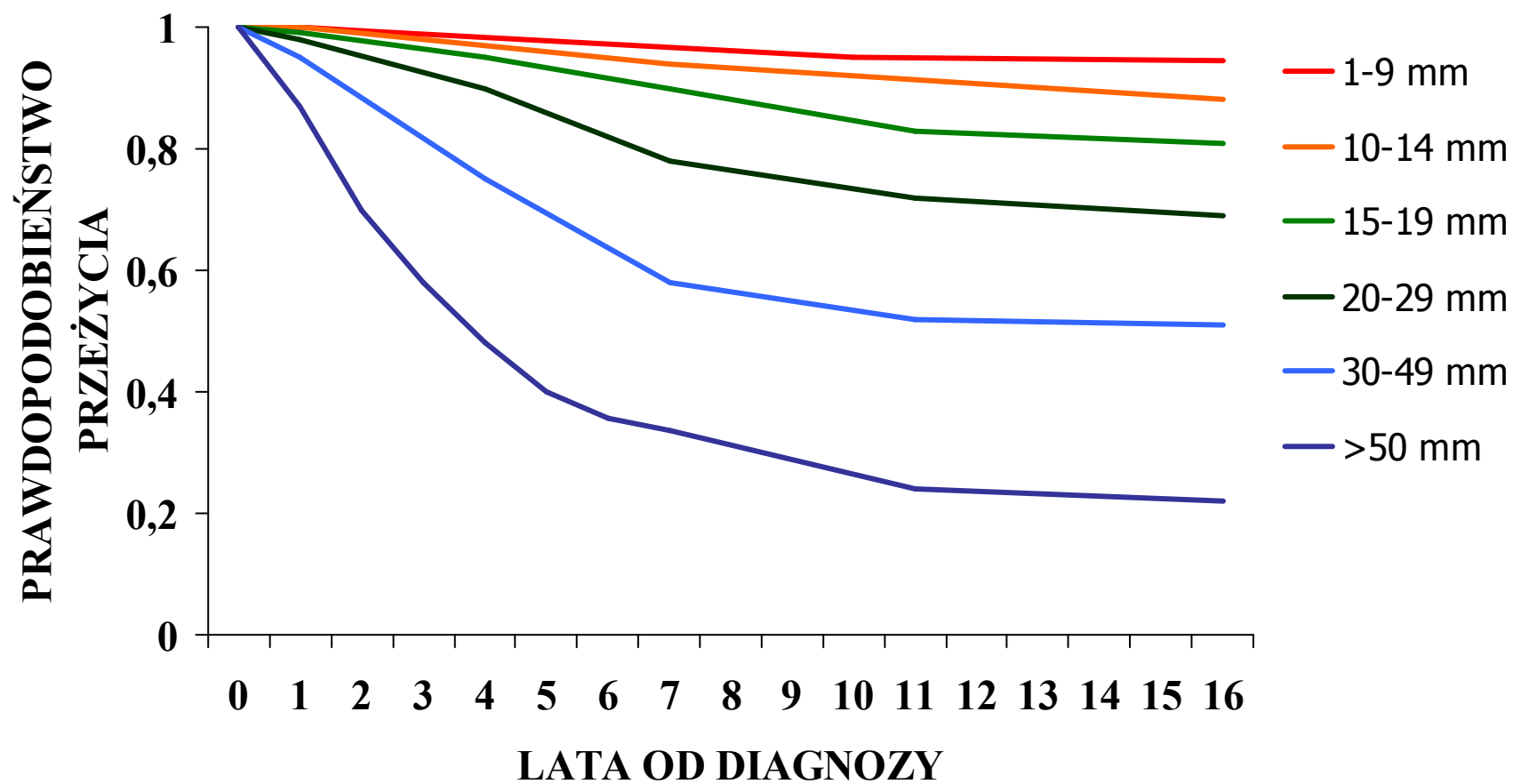
- Low health budgeted
- Limited number of health professionals
- At least one good center
- Limitations in equipment
- Cancer awareness
- Low but increasing incidence rate
- Poor results of treatment

European Union Breast Cancer

- 46 countries
- Population 822 000 000
- 331 000 – new cases
- 90 000 – death
- 17% of all cancer death

IARC 2006

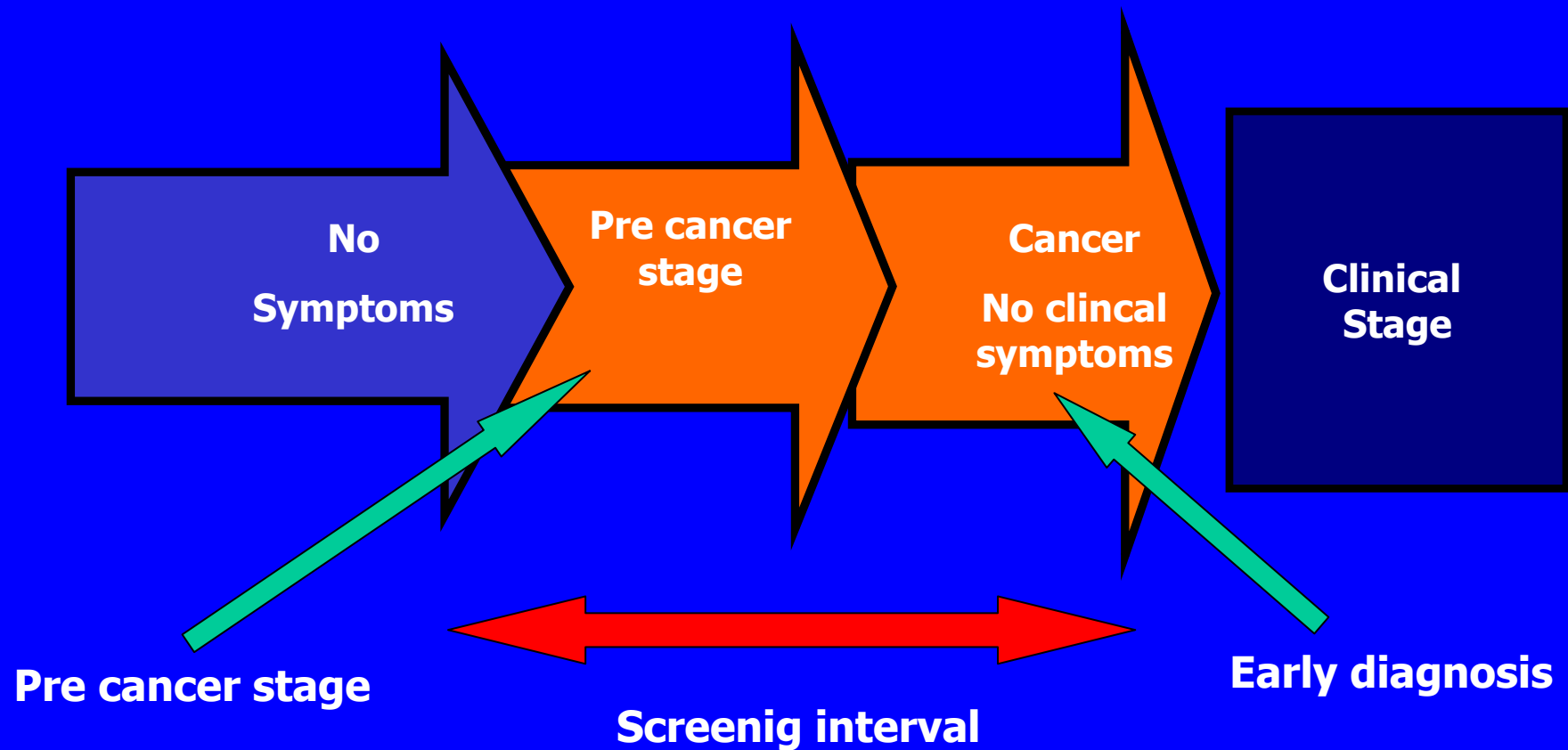
TUMOR SIZE AND SURVIVAL



Źródło: Duffy S., Hill C., Esteve J. Quantitative methods for the evaluation of cancer screening, London 2001

Prewencja wtórna: zaledwie kilka nowotworów

Screenig



Breast cancer screening Randomised Trials

- 8 randomised trials
- First HIP 1963
- Different population
- Different intervals
- Reduction of breast cancer death in screenig population

Breast cancer screening

- Target population
- Test
- Interval
- Invitation
- Quality control
- Promotion
- Proper diagnosis and treatment

Cancer screening European Union

- 50 national screening programs
- Cervix cancer – 50%
- Breast cancer
- Colon cancer

Breast cancer screening Hungary

- 2001
- Target population 45-65 years old
- Invitations - yes
- Biannual mammography

Breast cancer screening

Czech Republic

- 2002
- Target population – older than 45 years
- Invitations - not for all women
- Annual mammography

Breast cancer screening Latvia

- 2009
- Target population 50-69 years old
- Invitations - yes
- Mammography annual

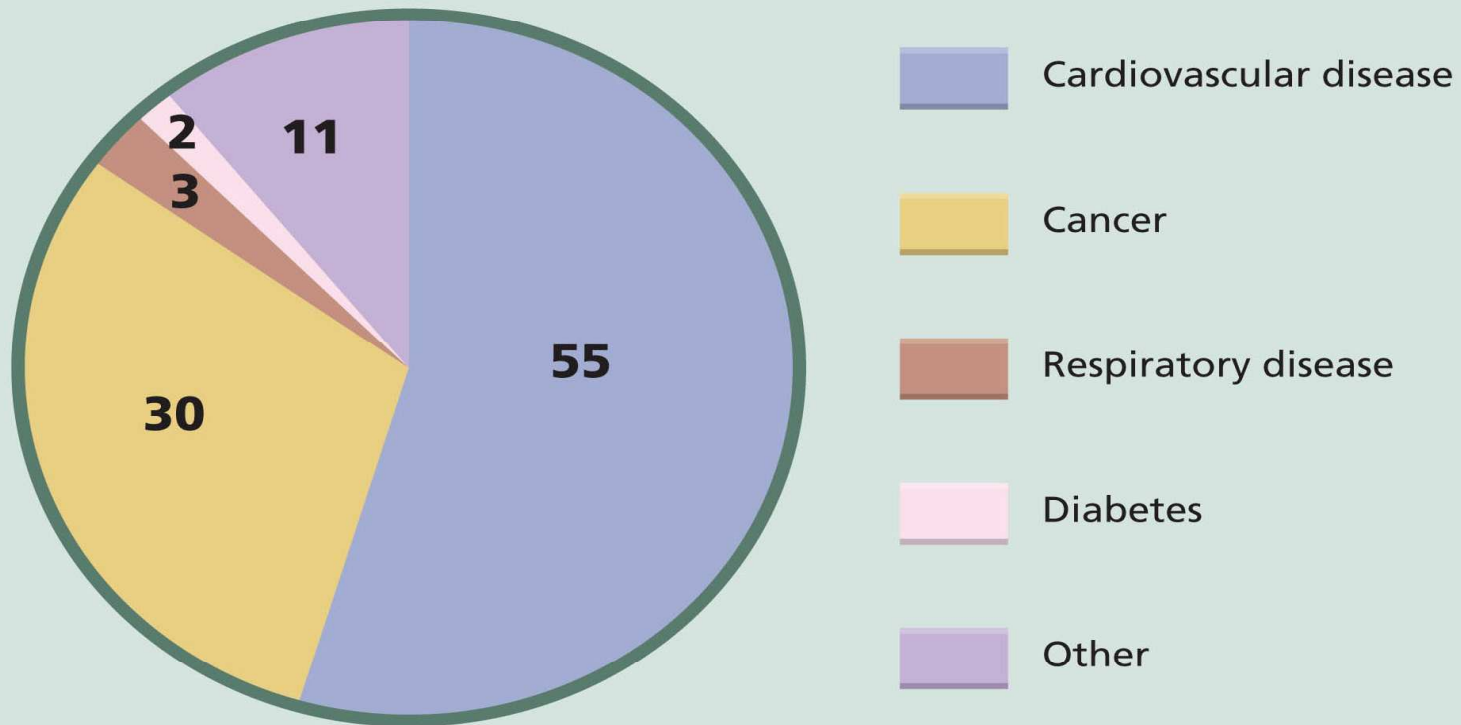
Breast cancer screening Croatia

- 2006
- Target population over 50 year of age
- Invitations - yes
- Annual mammography

Non-communicable causes of death

Poland

Per cent of deaths

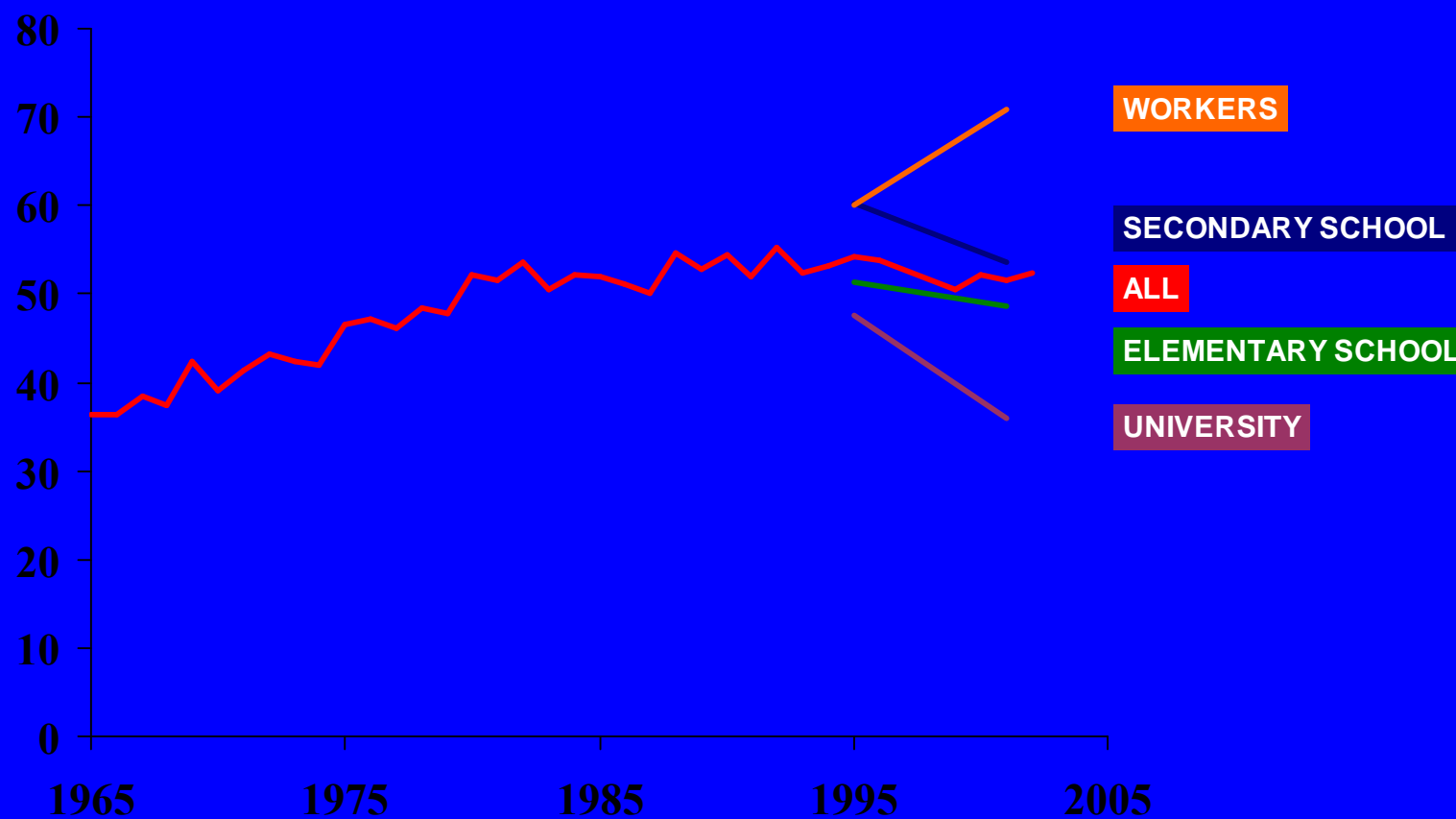


Data from World Health Organization⁴⁶

Breast cancer screening Poland

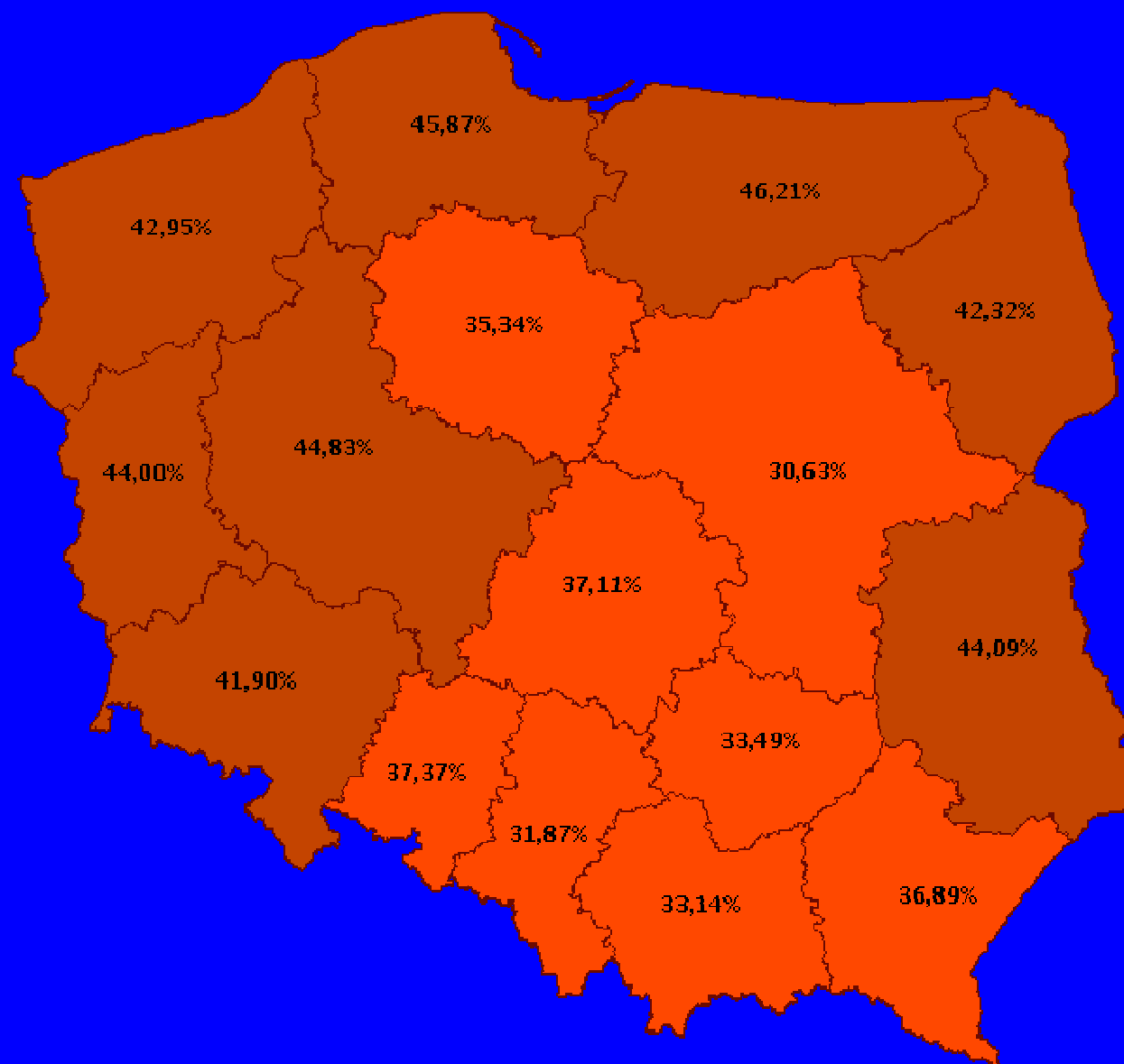
- 2007
- Target population 50-69 years old
- Invitation - yes
- Test biannual mammography

Breast cancer death rates. Women 50-69 years old Poland, 1963-2002

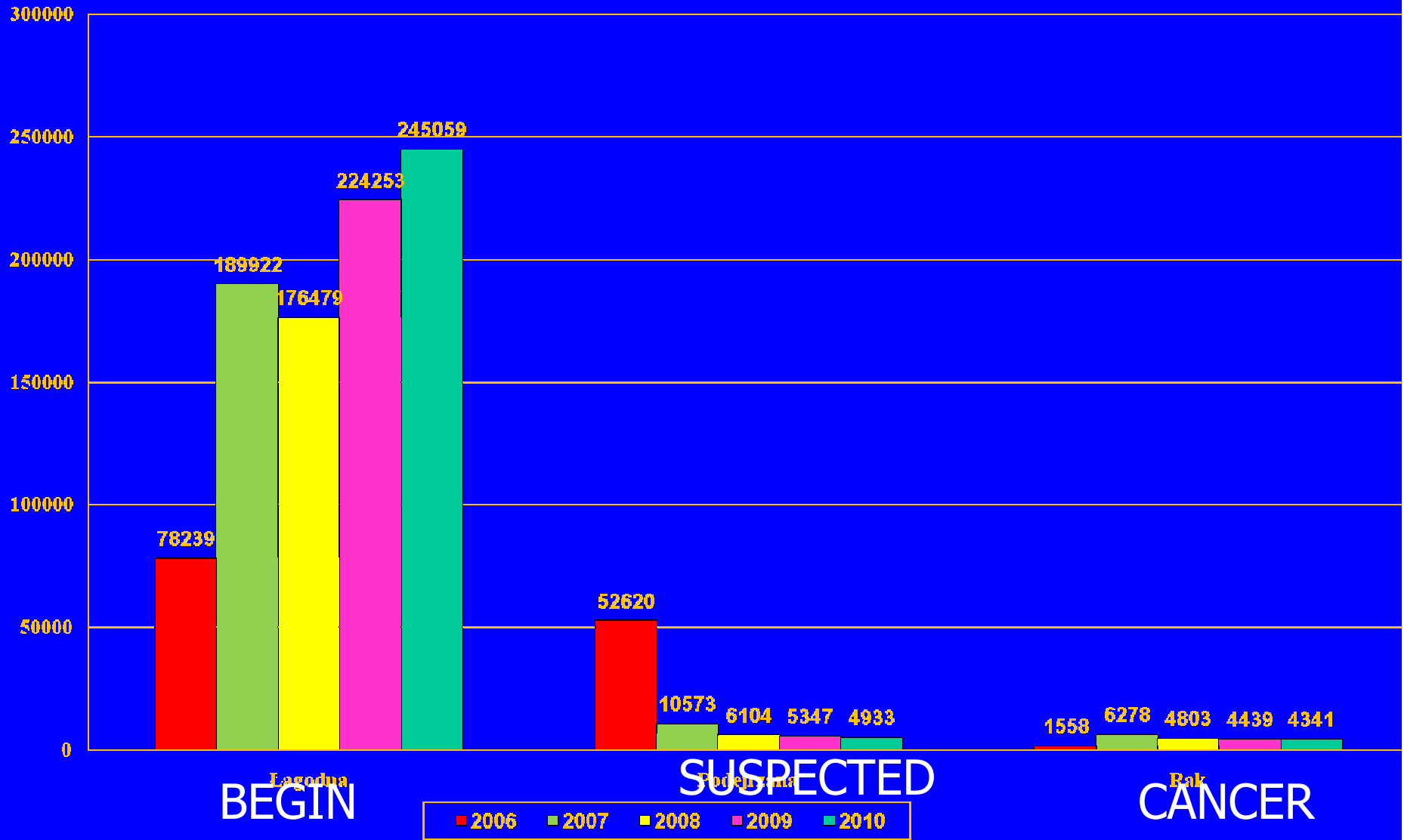


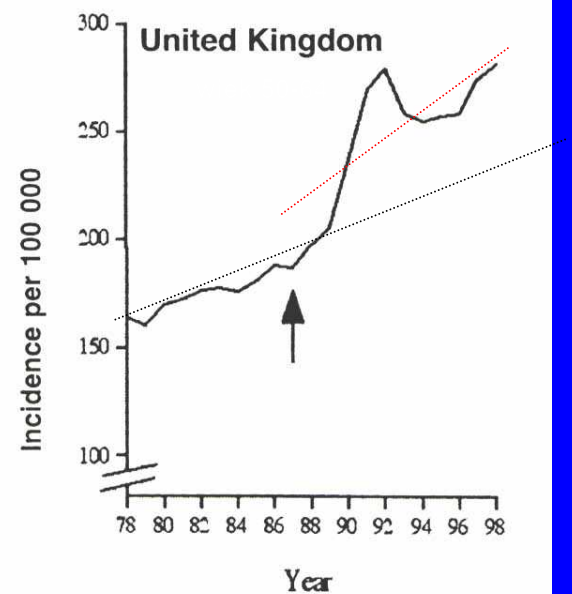
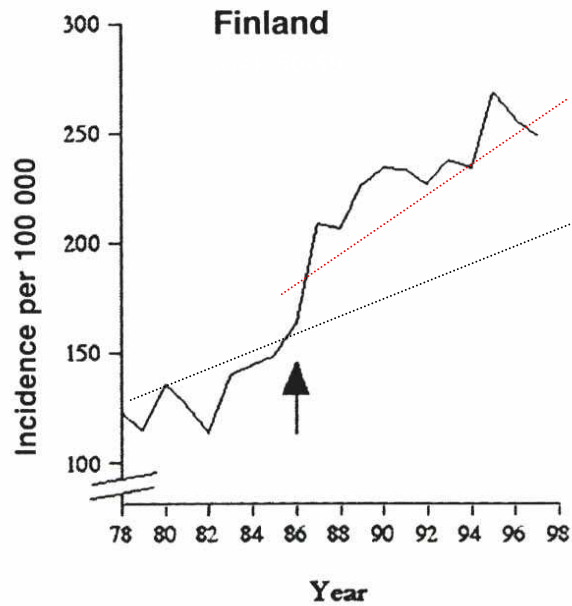
Źródło: Wojciechowska U. Analiza wpływu wybranych cech społeczno-demograficznych na umieralność z powodu nowotworów złośliwych w Polsce w 1994-1996 roku. COI2005

BREAST CANCER SCREENING BY VOIVODESHIPS (%) 01-01-2011

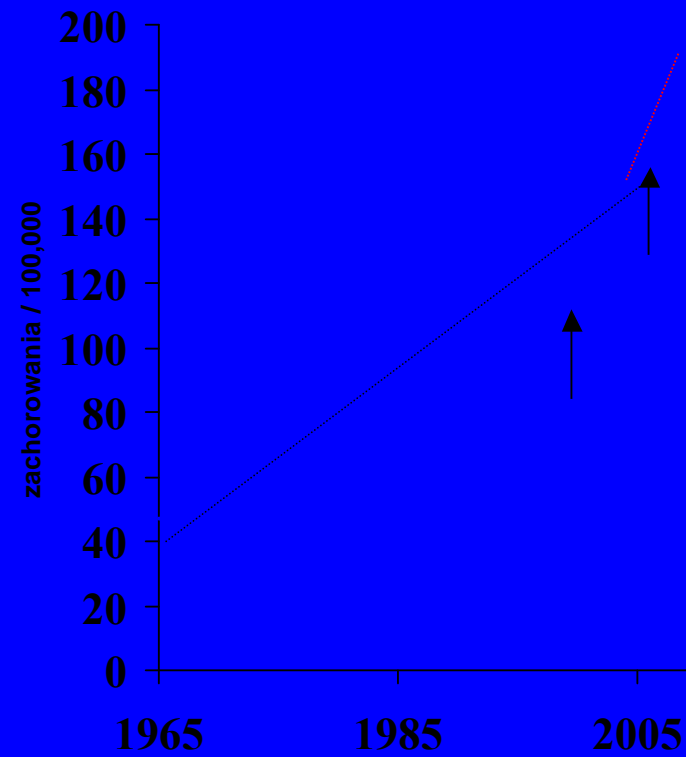


RESULTS OF SCREENING 2006 - 2010



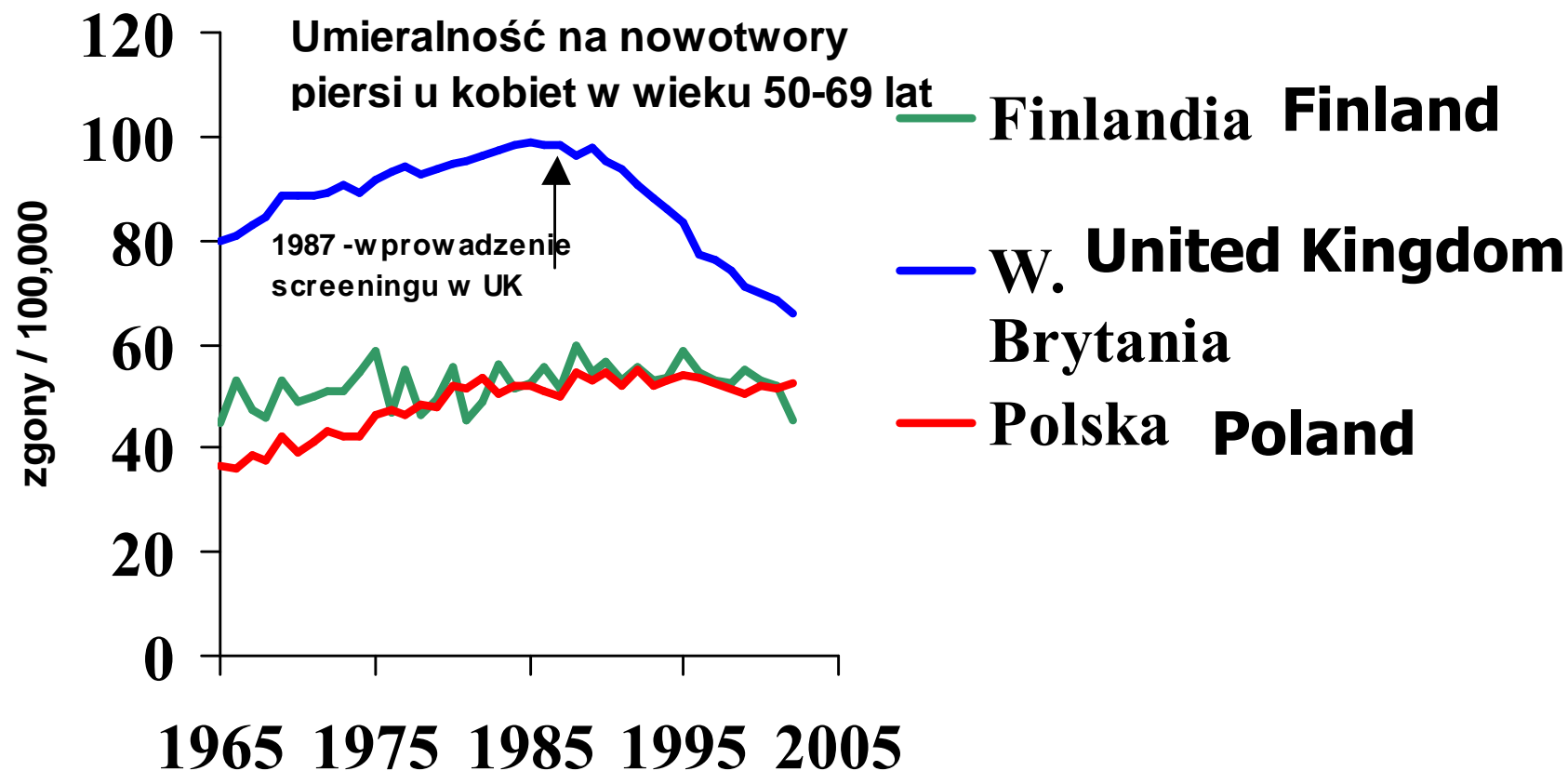


Zachorowalność na nowotwory piersi w Polsce
wiek 50-69 lat

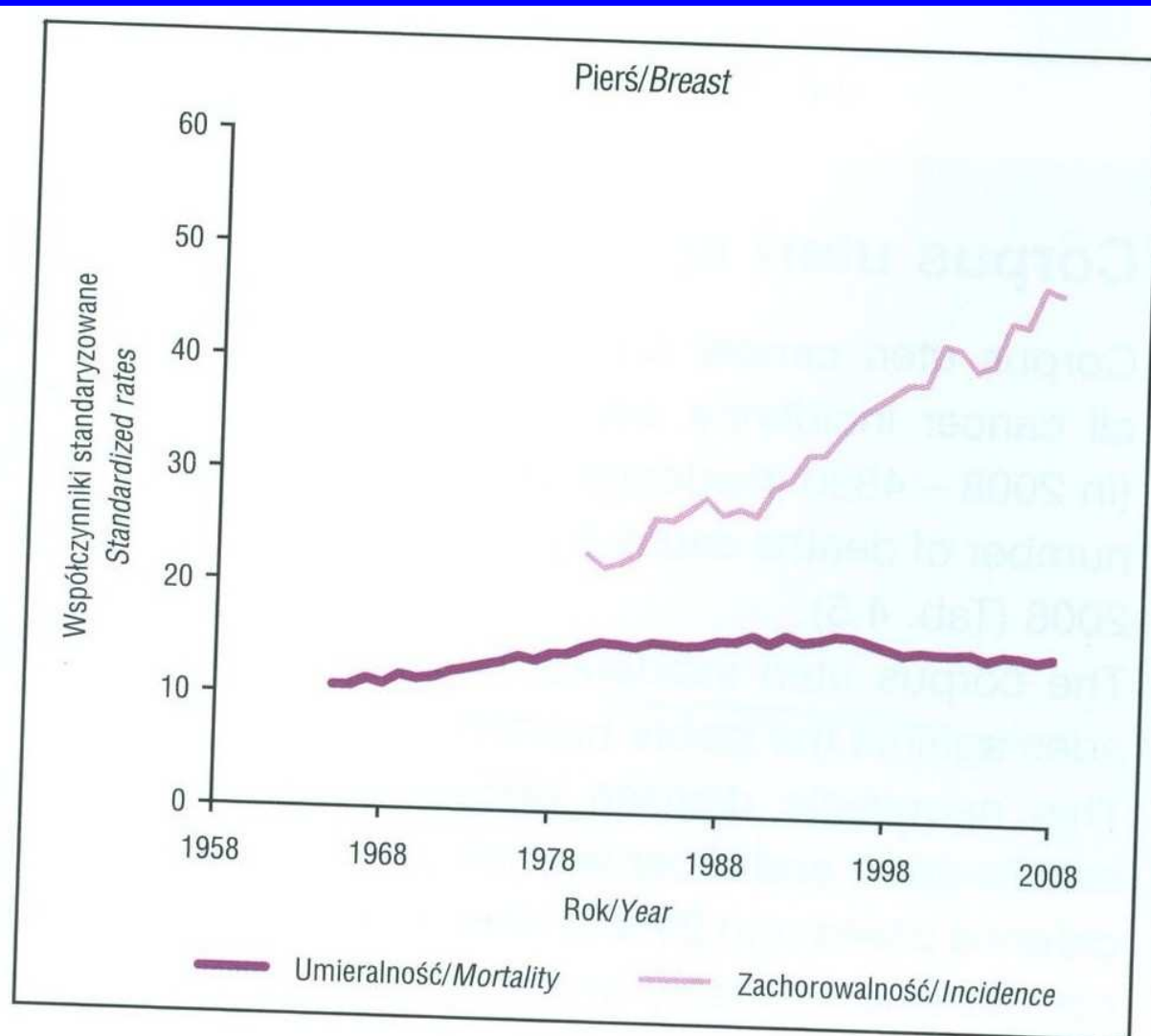


Breast cancer incidence rate
50-69
Poland

Influence of breast cancer screenig on death rates Women 50-69 years old

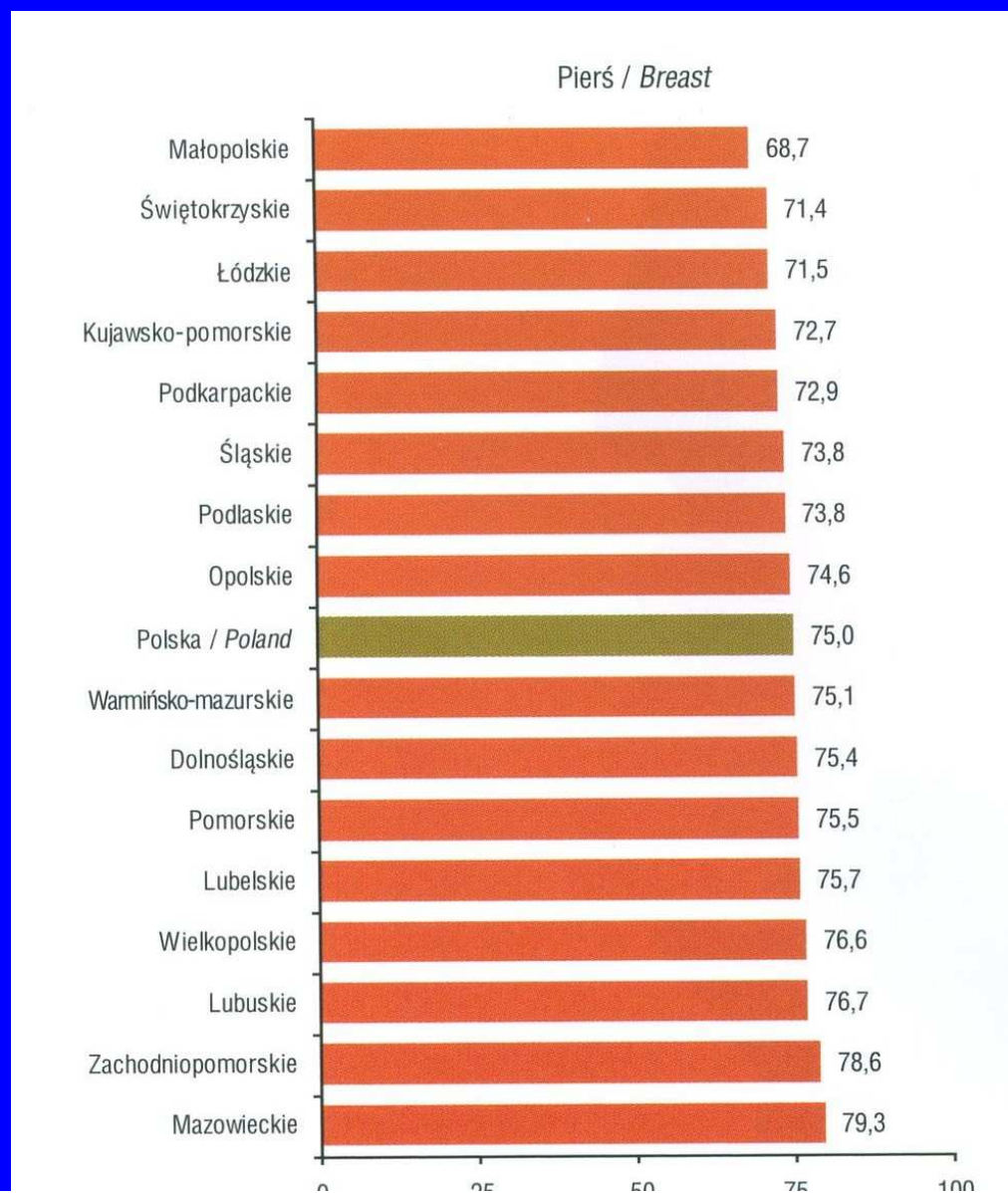


Incidence vs mortality trend in Poland



Polish
Cancer
Registry

Comparison of 5-year relative survival rates Poland by voivodeships



Polish Cancer
Registry

