

Coronary Heart Disease

presenter:

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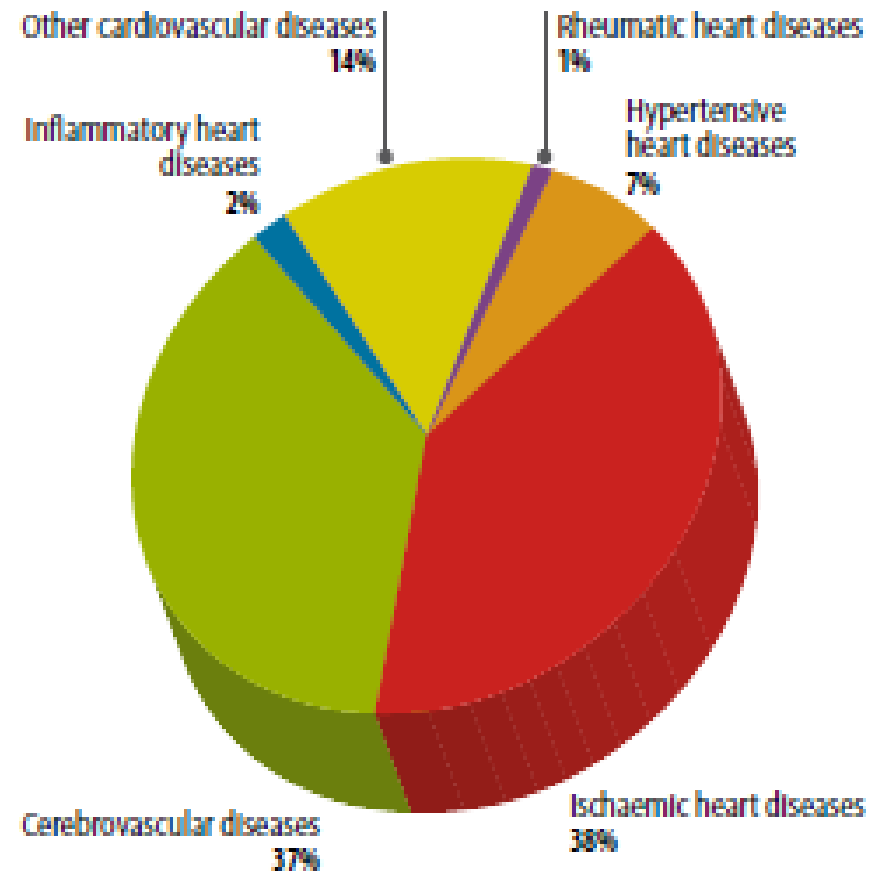
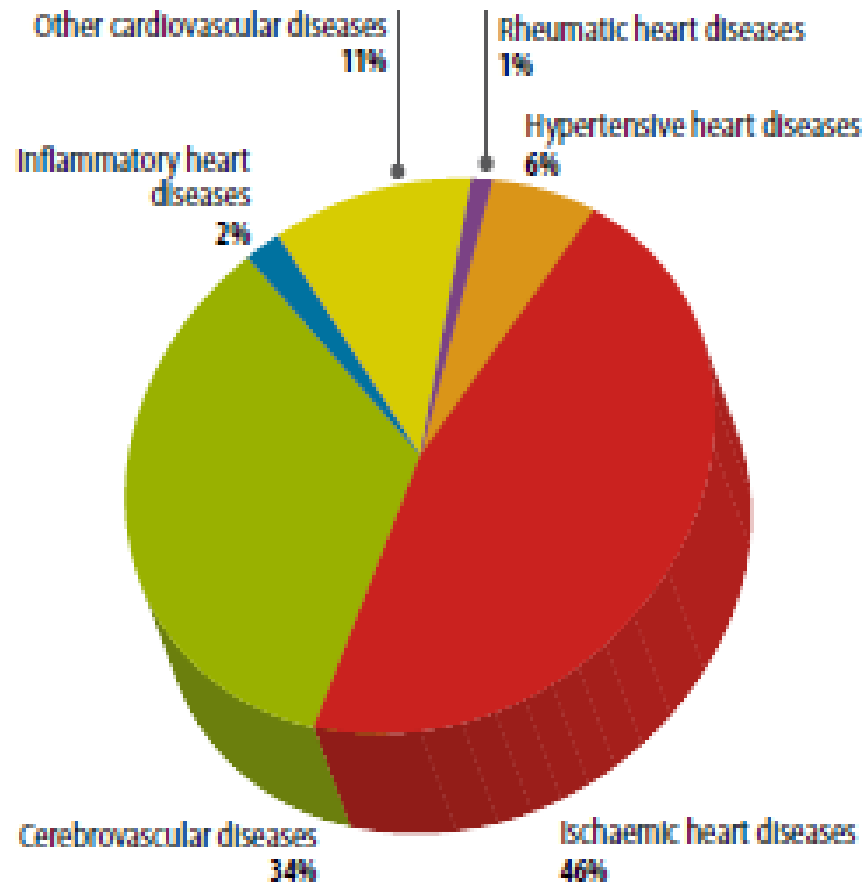
Measuring the Burden of Disease

- Proportional Mortality Ratio
- Loss of Life Expectancy
- CHD Incidence Rate
- Age-specific Death Rates
- Prevalence Rate
- Case Fatality Rate

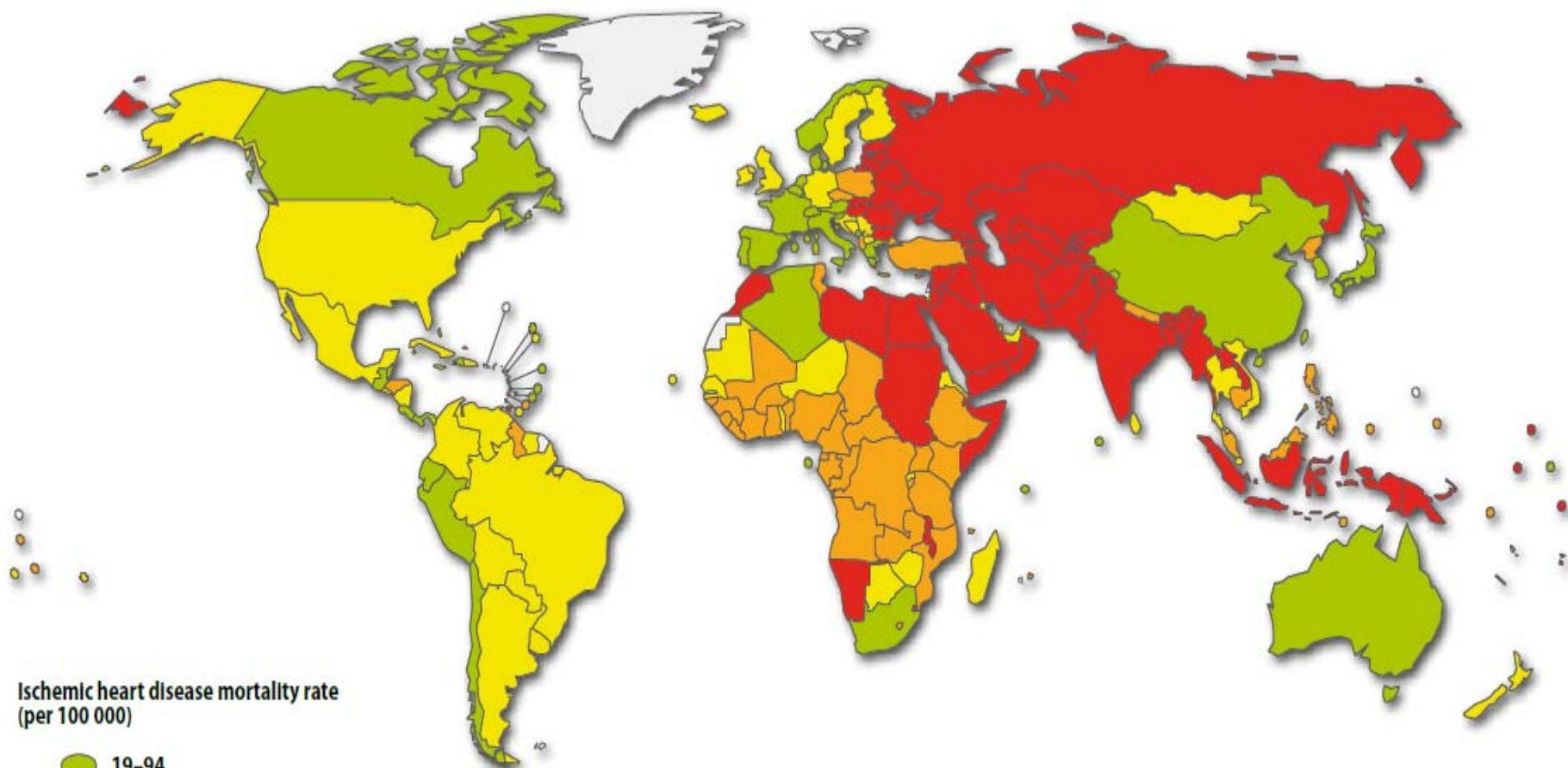
Epidemicity

- U.S. : 1920s
 - Britain: 1930s
 - Now.... Developing countries.
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- Decline in CHD mortality in U.S. & other countries
 - Changes in life-styles, diet, exercise, cigarette use
 - Inverse relation in SES & CHD in developed countries

Distribution of CVD deaths



World map showing the global distribution of CAD mortality rates (age standardized, per 100 000) in Males



Ischemic heart disease mortality rate
(per 100 000)

19-94

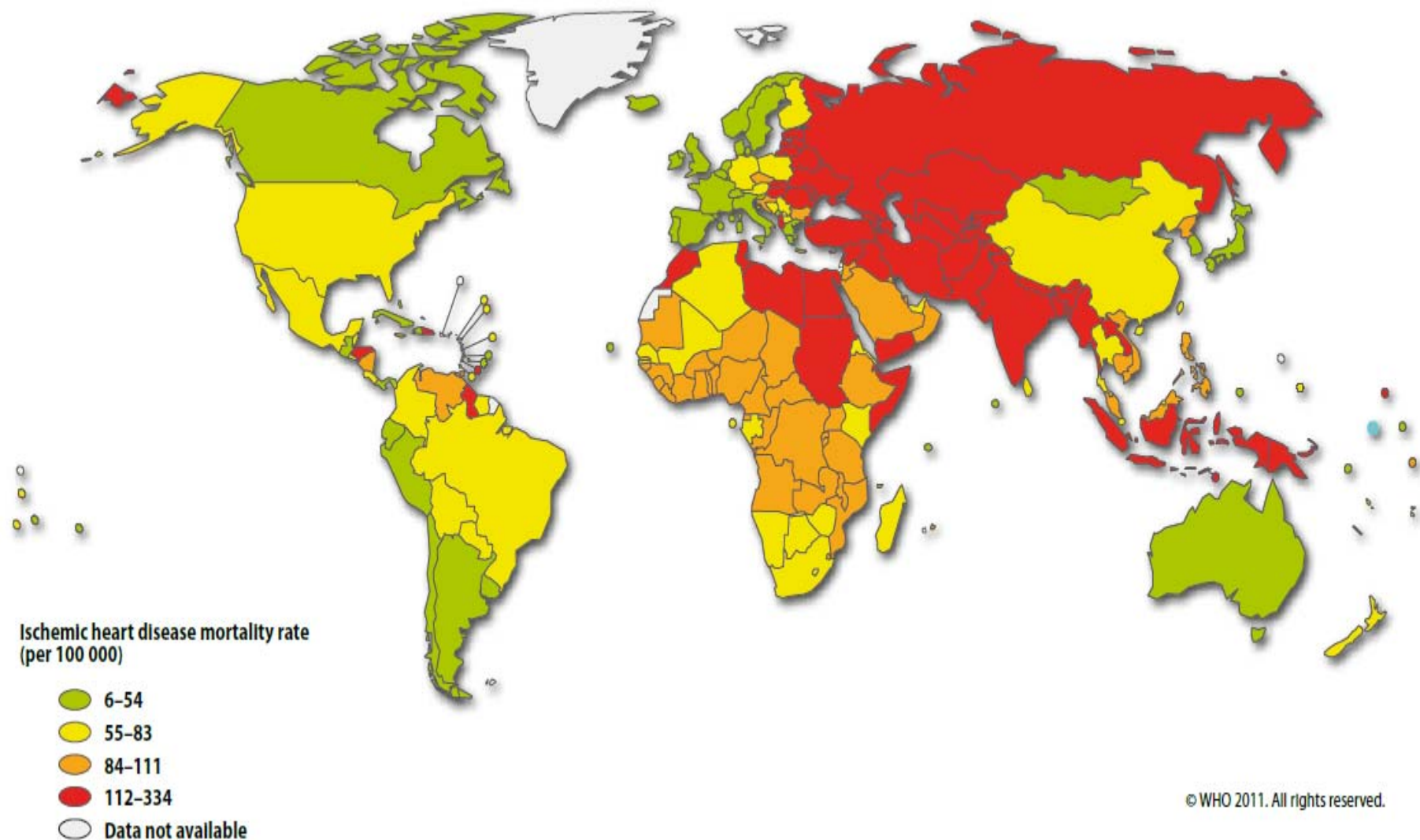
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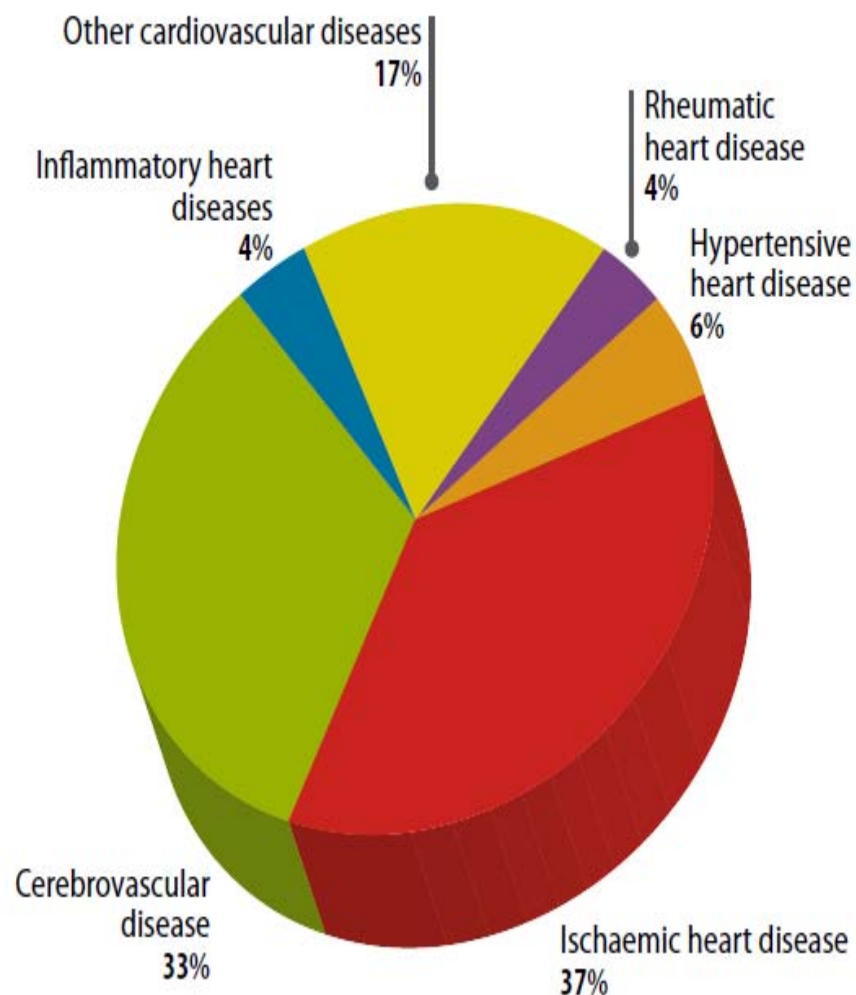
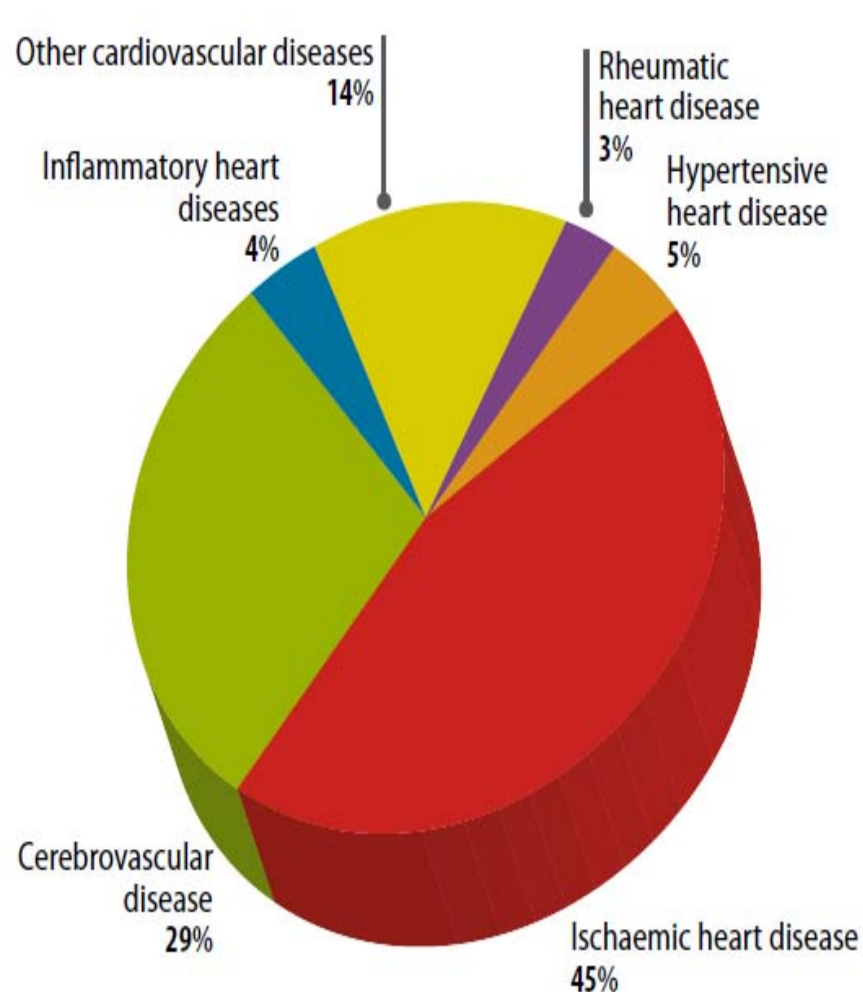
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Data not available

World map showing the global distribution of CAD mortality rates (age standardized, per 100 000) in Females



Distribution of global CVD burden (DALYs)



Risk Factors

- Hypertension
- Smoking
- Serum Cholesterol
- Other:
 - Genetic
 - Physical activity
 - Type A personality
 - Alcohol
 - Oral Contraceptives

Prevention of CHD

- Population strategy
- High risk strategy
- Secondary prevention

Population Strategy

- Specific intervention:
 - Dietary changes
 - Smoking
 - Blood pressure
 - Physical activity
 - Primordial Prevention

High Risk Strategy

- Identifying risk
- Specific advice

Secondary Prevention