

Social Determinants of Health

Michael Marmot
UCL

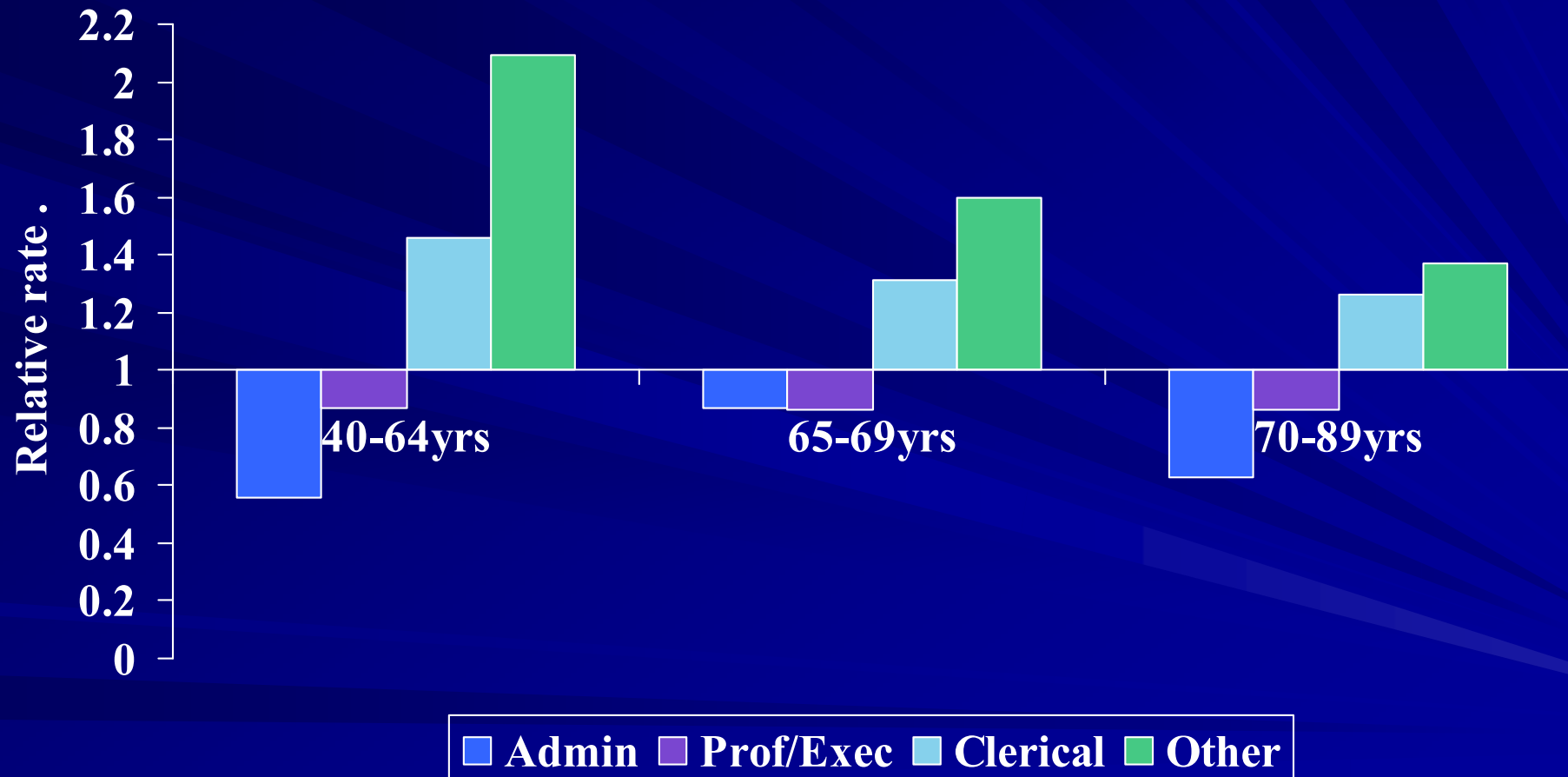
Chair of CSDH

Plenary

IUHPE, Vancouver

11 June 2007

MORTALITY OVER 25 YEARS ACCORDING TO LEVEL IN THE OCCUPATIONAL HIERARCHY: WHITEHALL



(Marmot & Shipley, 1996)

% PROBABILITY OF DYING BETWEEN AGES 15 AND 60 (males)

LESOTHO	84.5
RUSSIA	48.5
BOLIVIA	24.8
SRI LANKA	23.2
COLOMBIA	22.6
PAKISTAN	22.2
SWEDEN	8.2

SOURCE: THE WORLD HEALTH REPORT 2006,WHO

OUTLINE

- **The Challenge**
- Conceptual Framework
- Explanations
- Linking poverty and the gradient
- Integrating knowledge for action

The background is a solid dark blue color with a pattern of diagonal lines in various shades of blue, creating a sense of depth and movement. The lines are most prominent on the right side and fade towards the left.

- ONE APPROACH TO HEALTH INEQUALITIES IN RICH AND POOR COUNTRIES

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Social Determinants of Health

The simplified framework

- The causes of the causes

Social Context



Social Stratification

Differential access to 'capital' by e.g. education, class, sex, ethnicity



Differential Exposures & Vulnerabilities

VULNERABILITIES:

Material
Psychosocial
Behavioural
Constitutional

**Differential Health
Consequences**



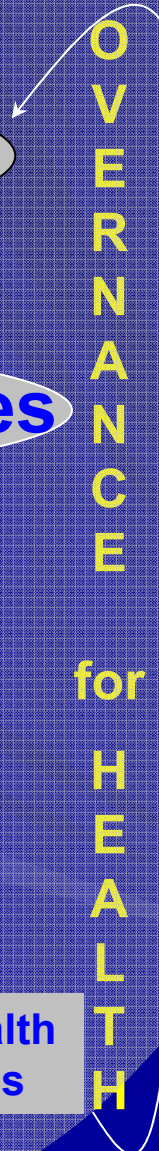
Average & Differential Health Impact

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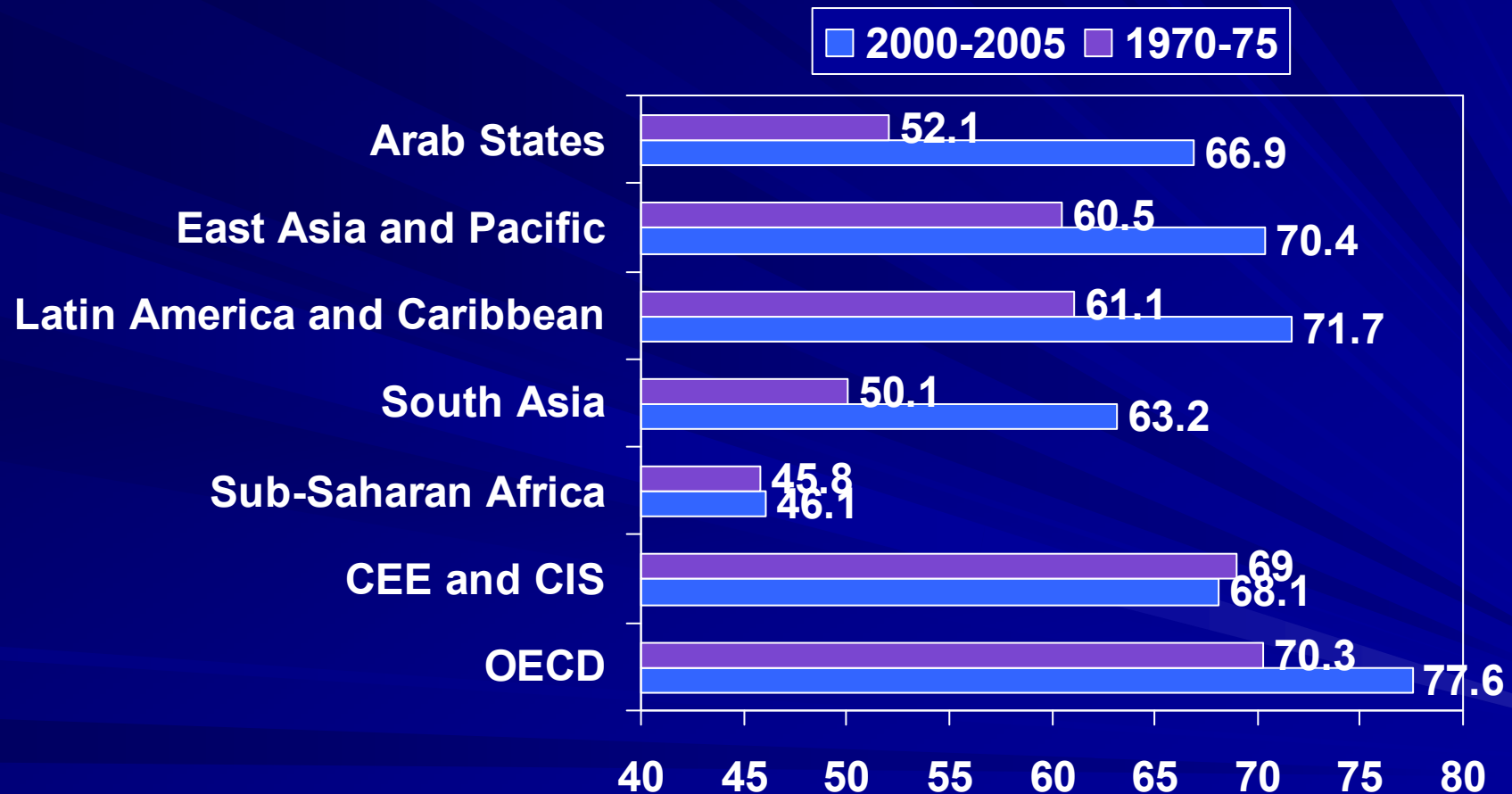
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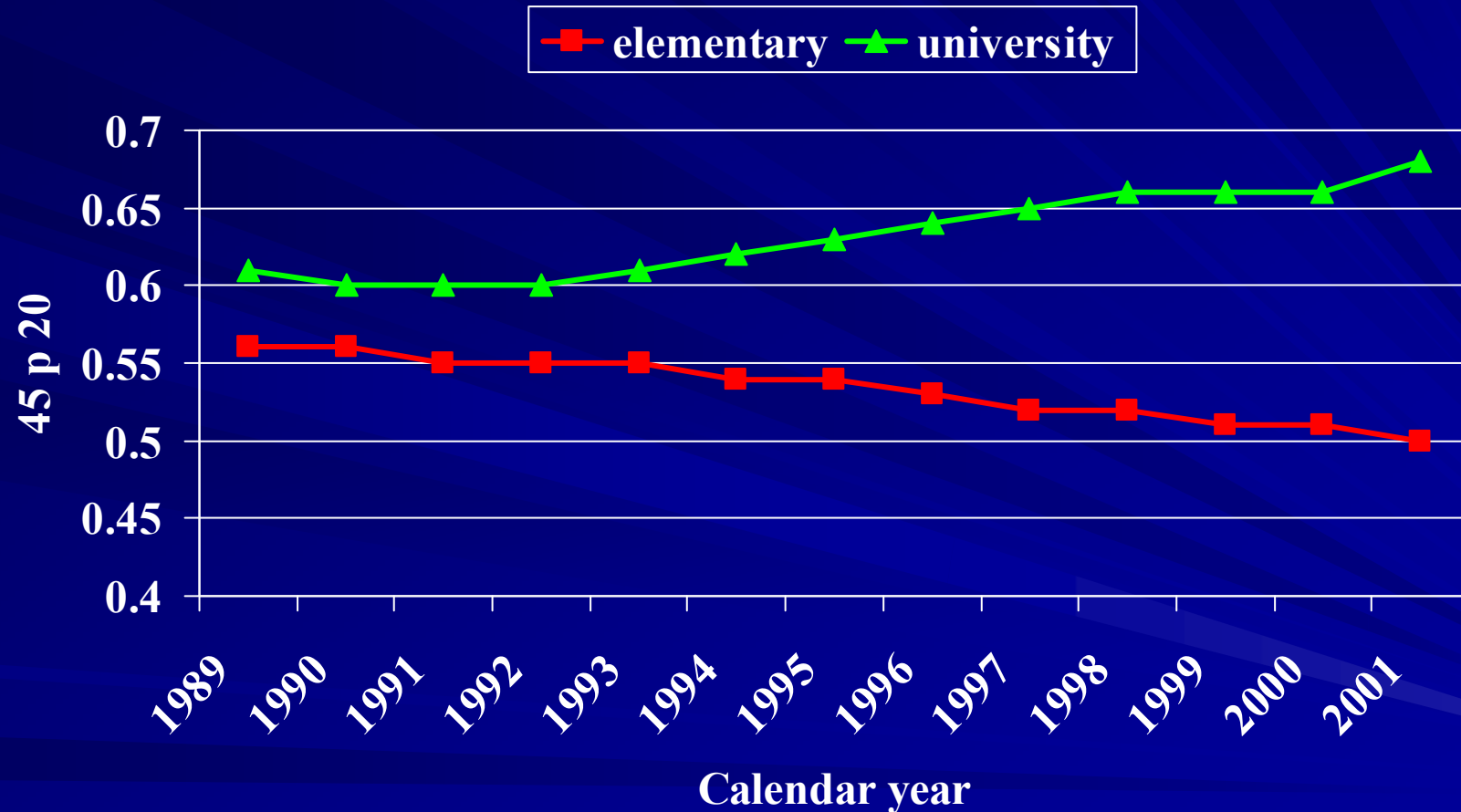
■ EXPLANATIONS:

- “IT’S THE NATURAL ORDER”

TRENDS IN LIFE EXPECTANCY



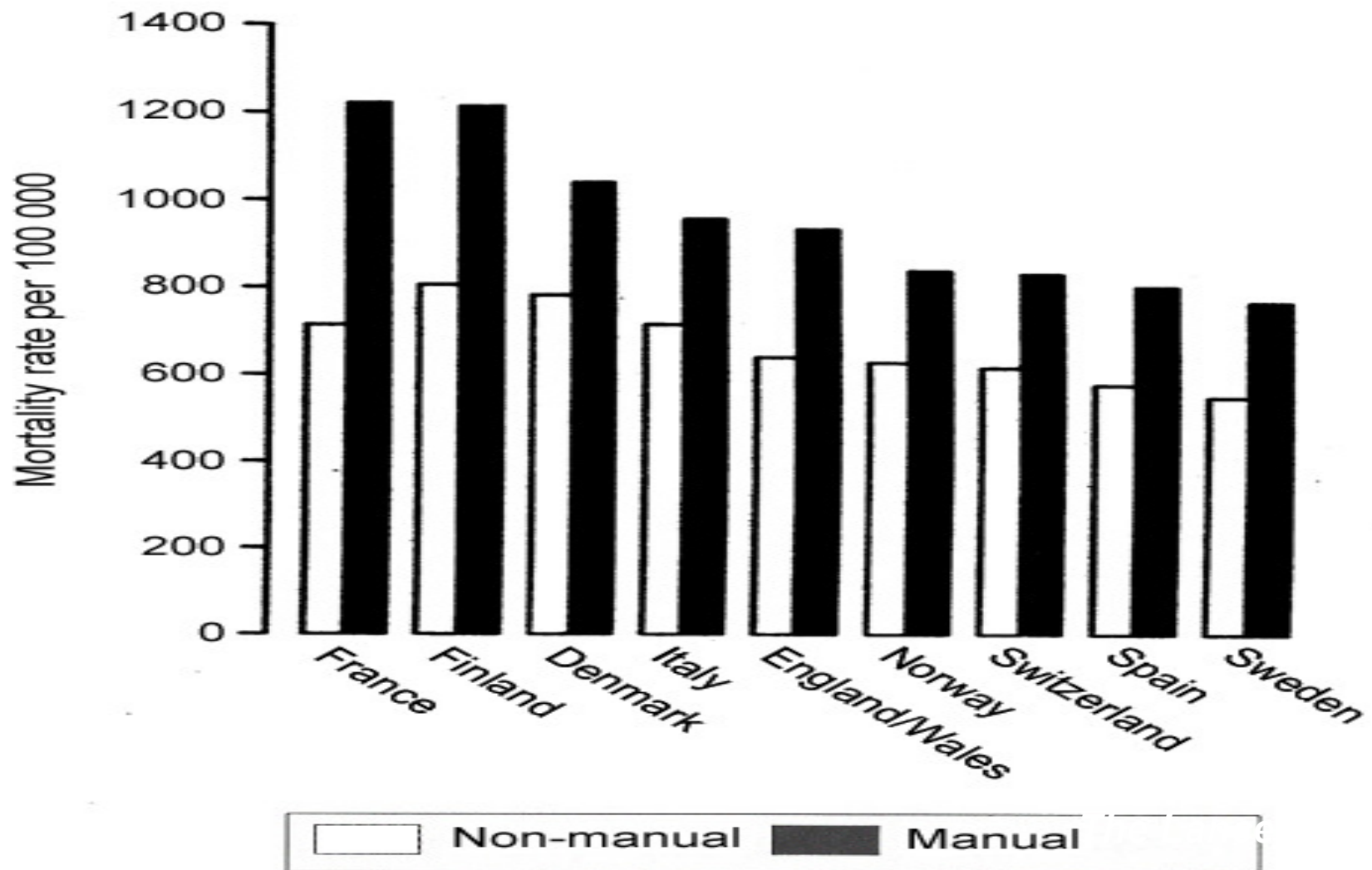
The widening trend in mortality by education in Russia, 1989-2001



45 p20 = probability of living to 65 yrs when aged 20 yrs

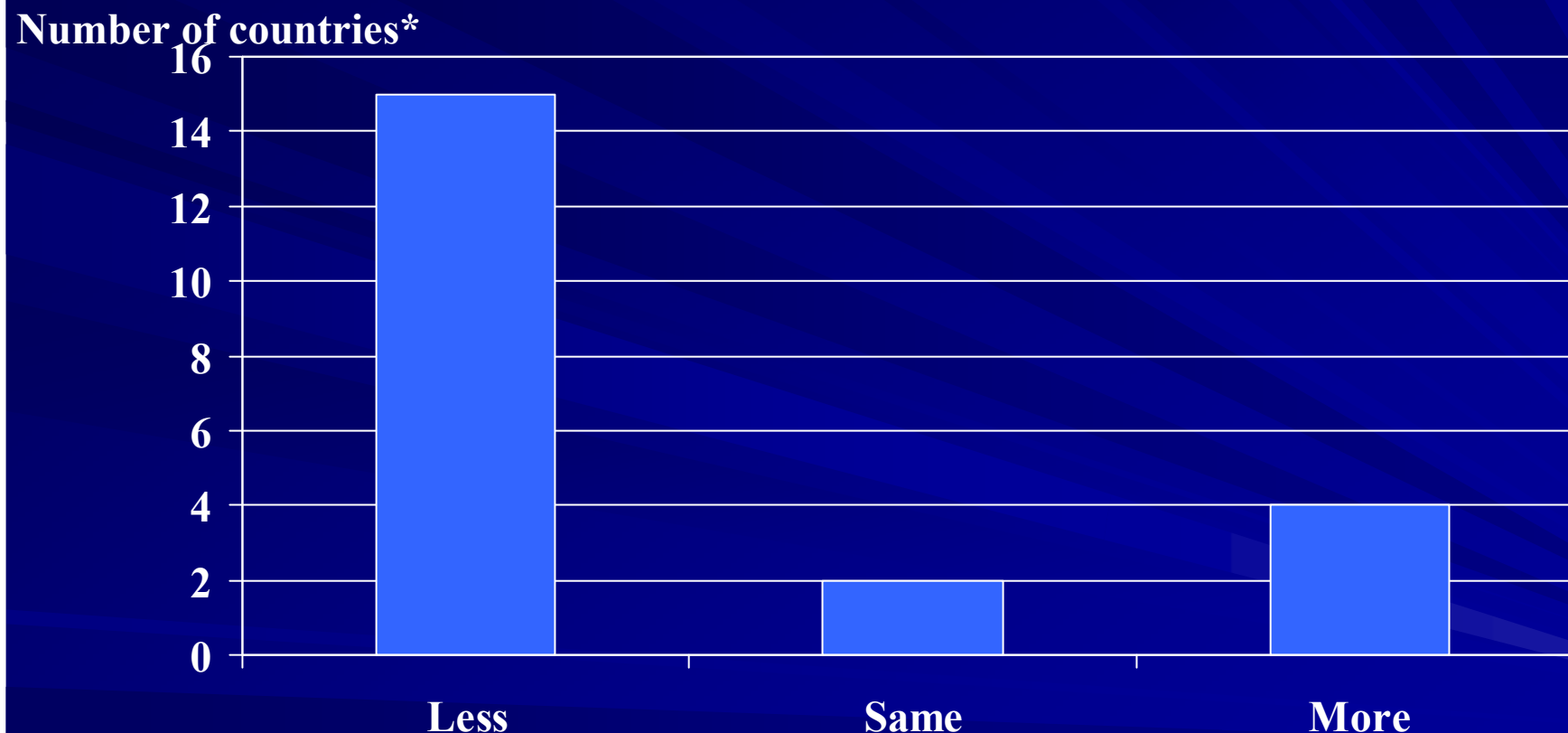
Source: Murphy et al, AJPH, 96, 1293-9, 2006

Mortality for non-manual and manual workers
in nine European countries
Ranked by absolute level of mortality of
manual workers; age groups 45-59



MEDICAL CARE?

BENEFITS FROM GOVERNMENT HEALTH SERVICE EXPENDITURE, AVERAGE FOR 21 COUNTRIES



***Number of countries where lowest quintile receives less, the same, or more benefit compared with the highest income quintile**

Source: Reaching the Poor, eds:Gwatkin,D.R. Wagstaff,A. Yazbeck A.S. The World Bank, 2005

EXPENDITURE ON MEDICAL CARE PER CAPITA IN US AND UK

- UNITED STATES:

 - US\$ 5274

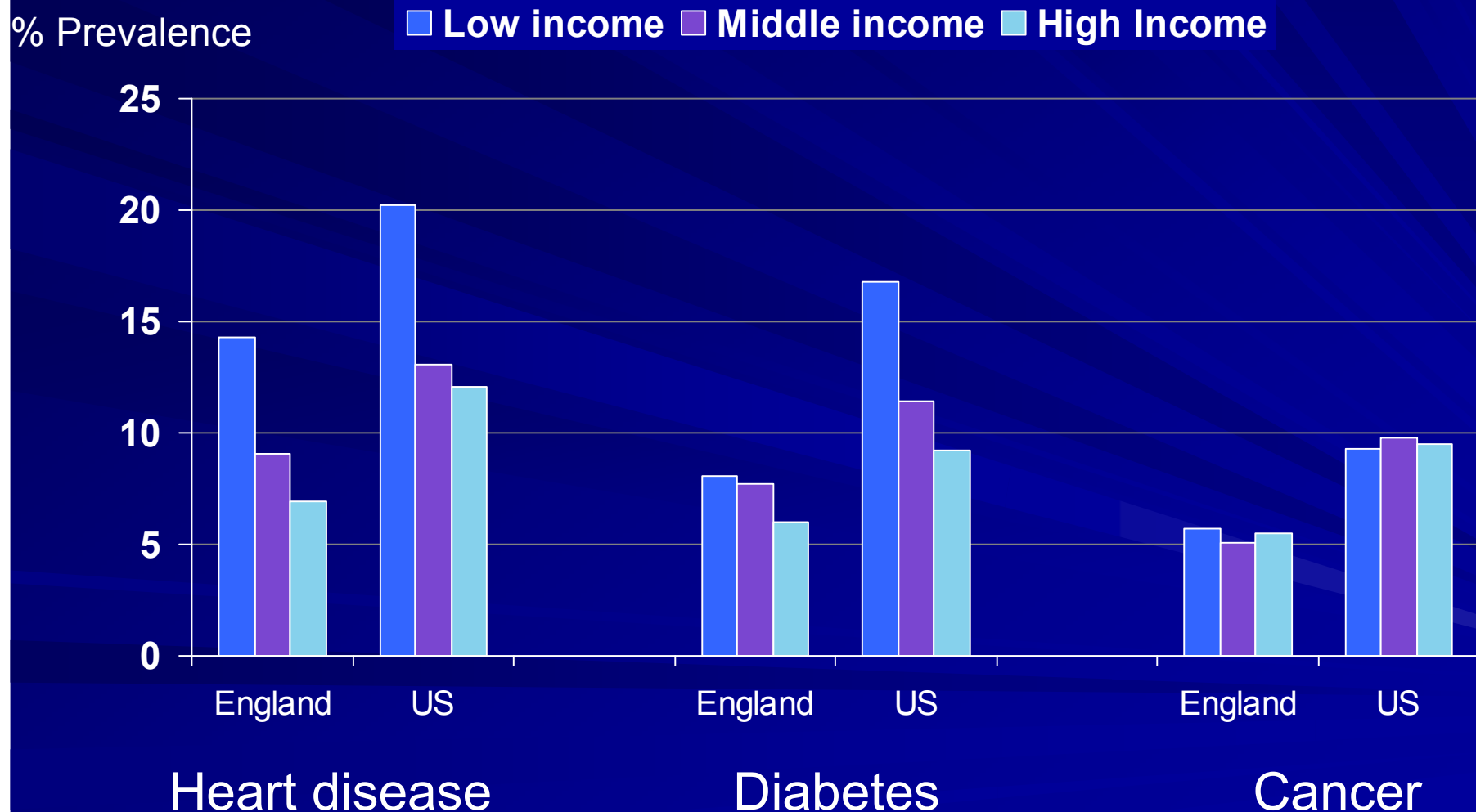
- UNITED KINGDOM:

 - US\$ 2164 (adjusted for purchasing power)

(Human Development Report 2005)

HEALTH DIFFERENCES BETWEEN ENGLAND AND THE US

55-64 year olds



Source: Banks, Marmot, Oldfield and Smith; JAMA 2006

Probability at birth of surviving to age 65(selected countries)

HDI rank	Country	Male (rank)	Female (rank)
2	Iceland	87.4 (1)	91.4 (5)
11	Japan	85.7 (4)	93.3 (2)
22	Hong Kong	86 (2)	93.7 (1)
15	UK	83.6	89.4
52	Cuba	80.0	86.2
37	Chile	79.1	88.5
10	USA	79.1 (33)	86.7 (36)

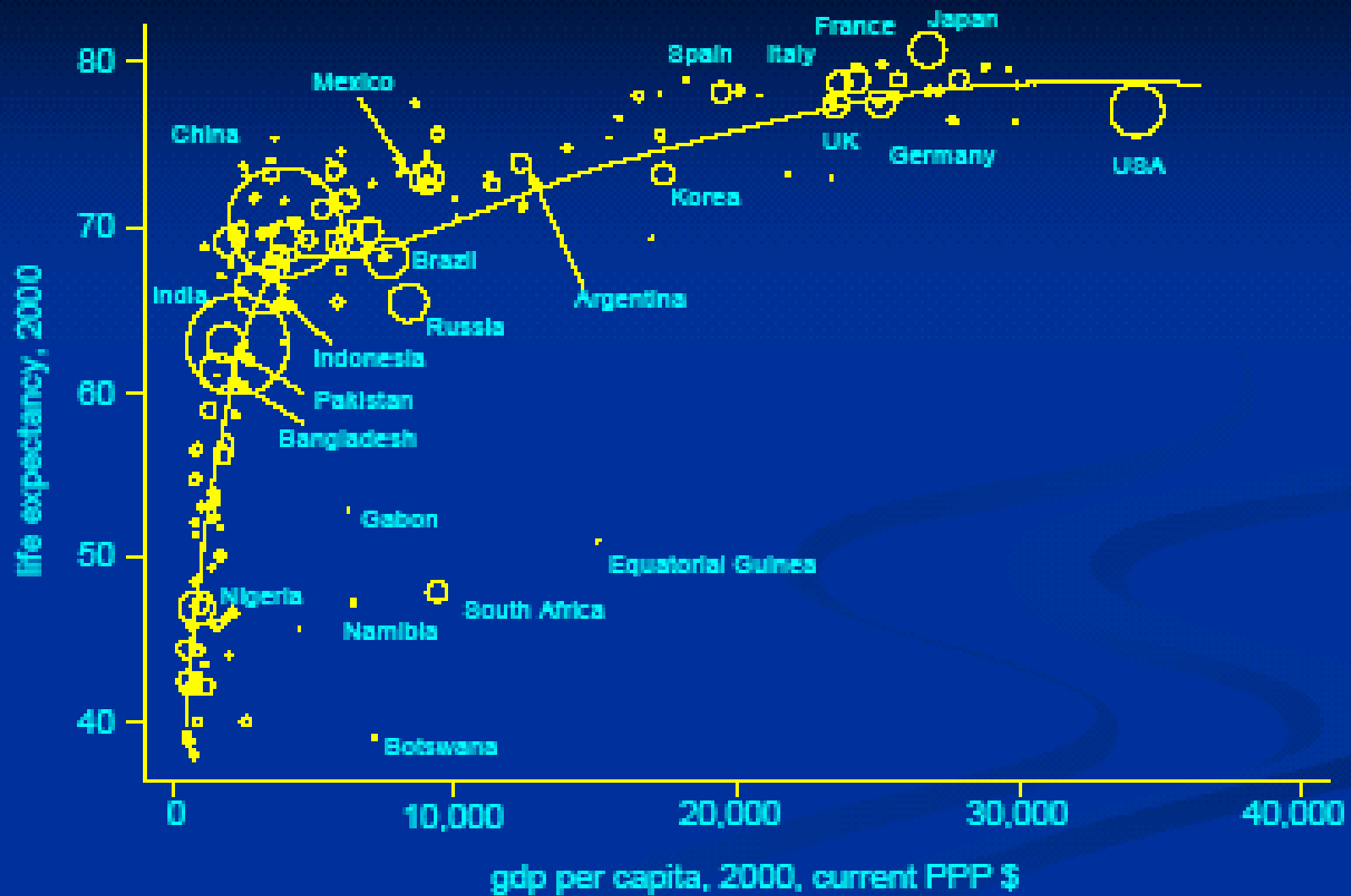
■ EXPLANATIONS:

POVERTY IN THE POOR COUNTRIES

&

BAD BEHAVIOUR IN THE RICH?

The Millennium Preston Curve



(Source: Angus Deaton)

■ YES, BUT...

GDP PER CAPITA AND LIFE EXPECTANCY: SELECTED COUNTRIES

	GDP PER CAPITA (PPP US\$)	LIFE EXPECTANCY AT BIRTH (MALES)
SRI LANKA	4,390	71.7
COSTA RICA	9,481	76.0
RUSSIA	9,902	58.9
CHILE	10,874	75.1

Source: Human Development Report 2006

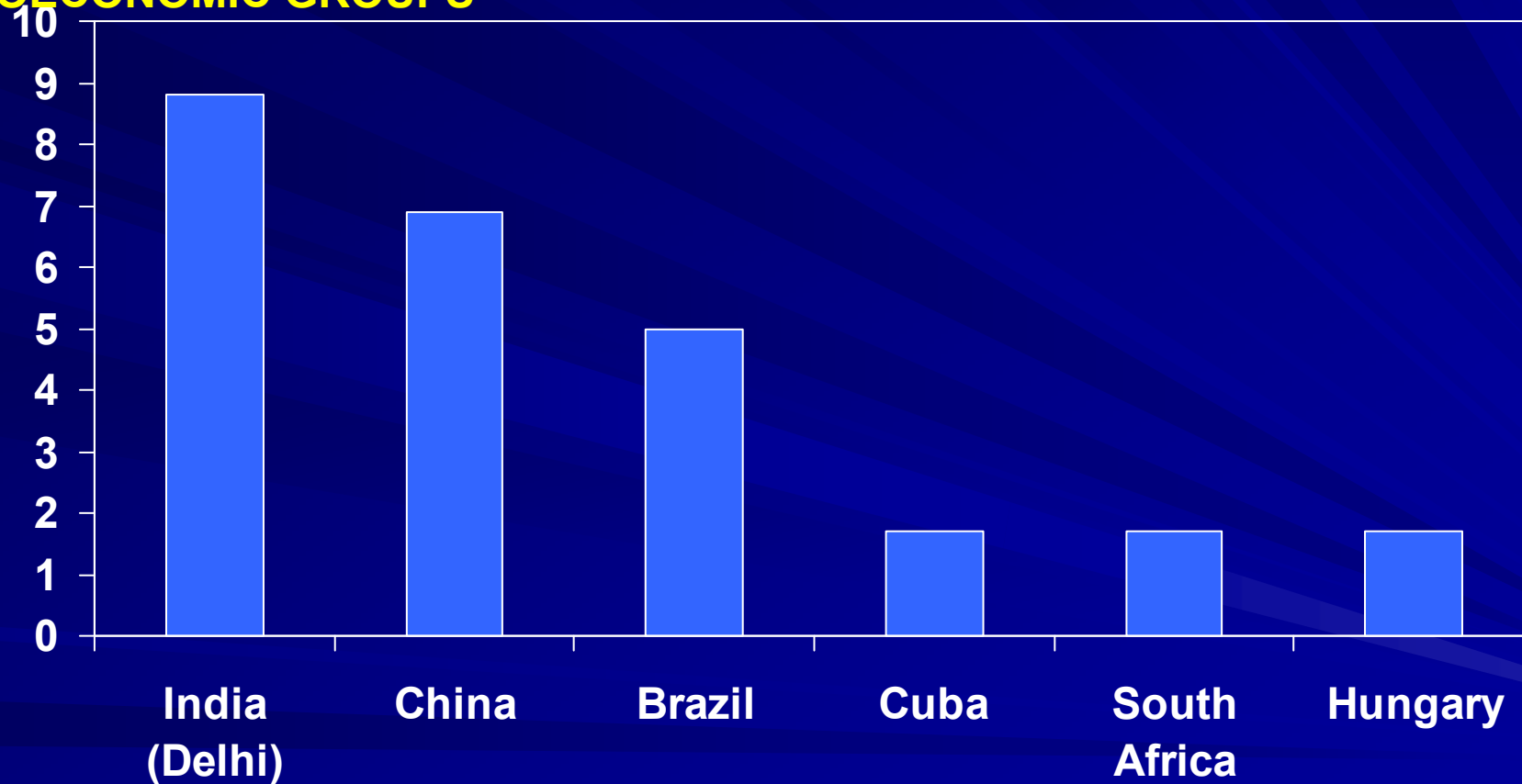
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COMPARISON OF SMOKING PREVALENCE BETWEEN LOW AND HIGH SOCIOECONOMIC GROUPS

SMOKING RATE RATIO BETWEEN LOW AND HIGH SOCIOECONOMIC GROUPS



Bobak et al in 'Tobacco control in developing countries' ed: Jha & Chaloupka, 2000

Technology transfer?
Yes, but...

■ RICHER UNDERSTANDING OF POVERTY

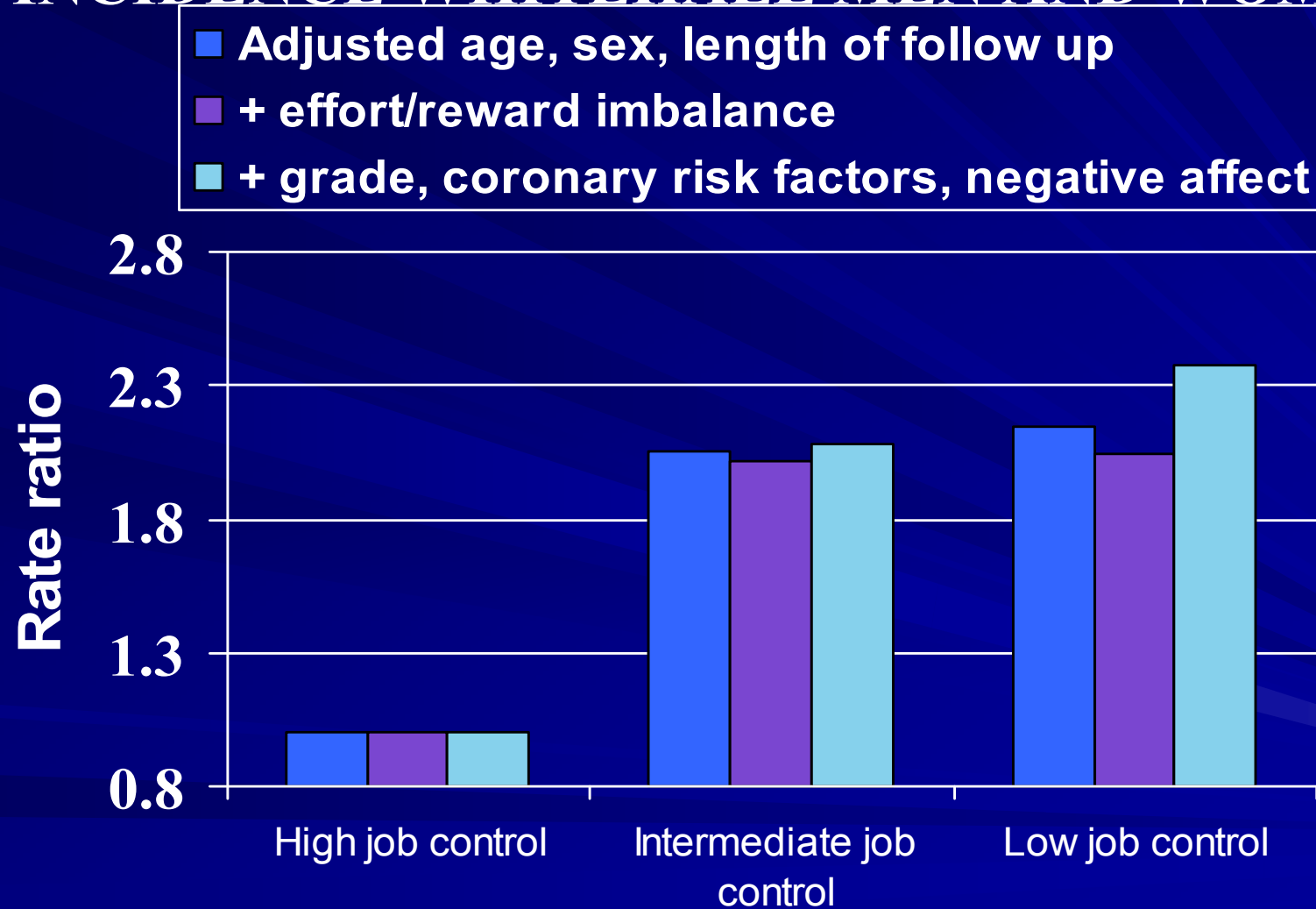
OUTLINE

- The Challenge
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■ EMPOWERMENT

- Material
- Psychosocial
- Political

SELF-REPORTED JOB CONTROL AND CHD INCIDENCE WHITEHALL MEN AND WOMEN



Bosma et al, 1998

OUTLINE

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Commission on Social Determinants of Health 2005 -2008

Set up by the World Health Organisation

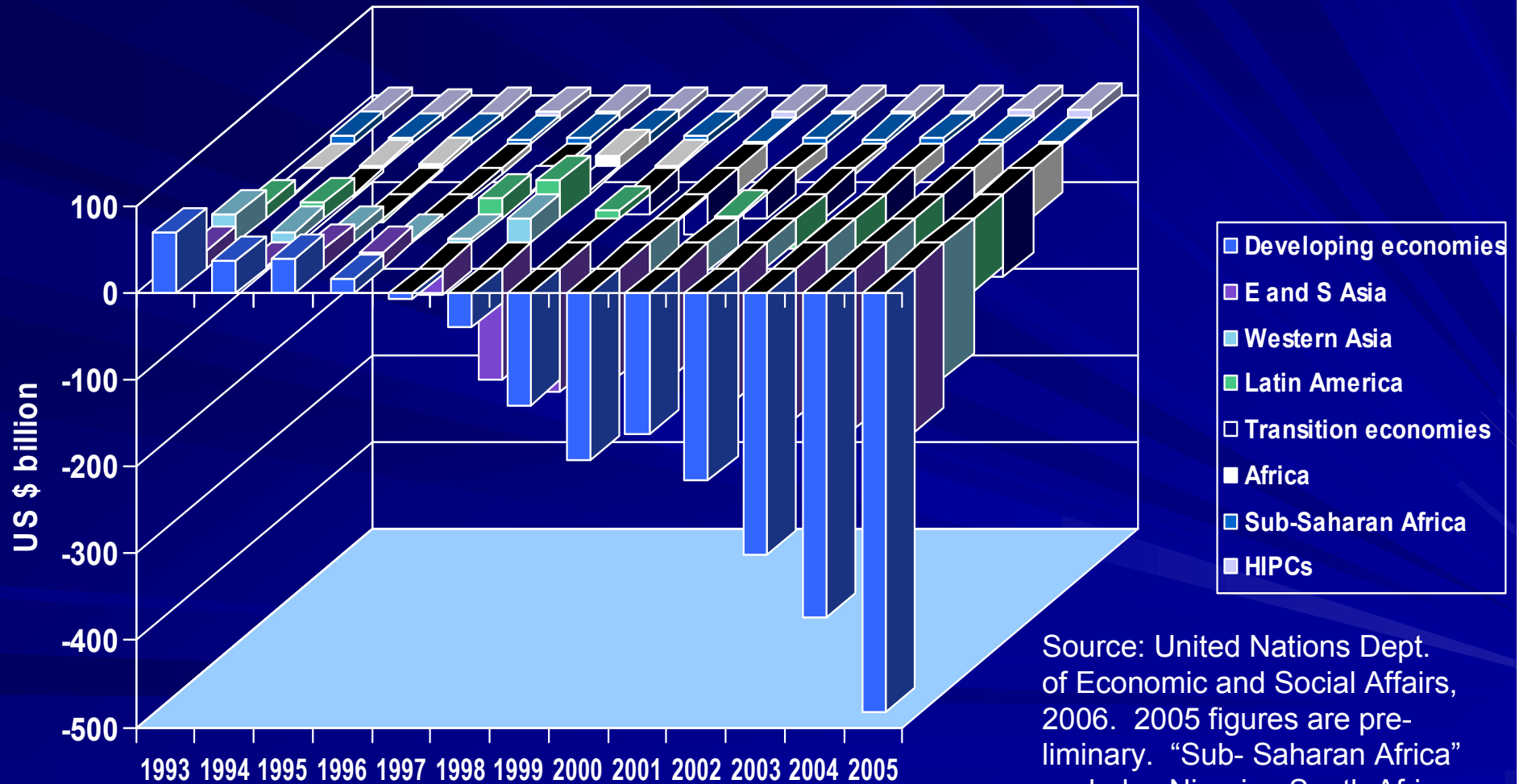


- Launched Chile March 2005
- Interim Statement July 2007
- Final Report and recommendations mid-2008

www.who.int/social_determinants

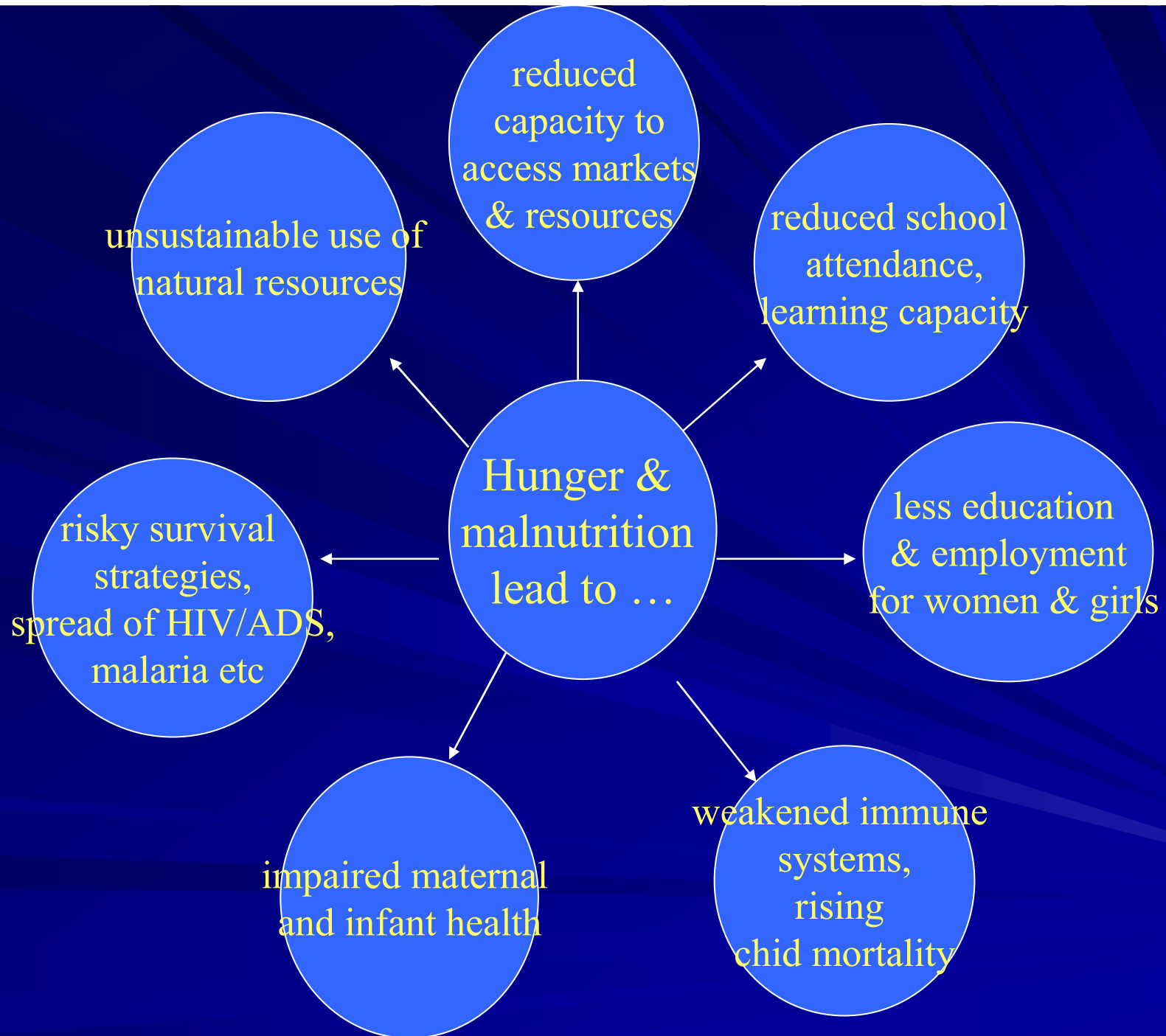
Knowledge into action:
Create the social conditions
for empowerment

Net financial flows, by region and all developing and transition economies, 1993-2005



Source: United Nations Dept. of Economic and Social Affairs, 2006. 2005 figures are preliminary. "Sub-Saharan Africa" excludes Nigeria, South Africa

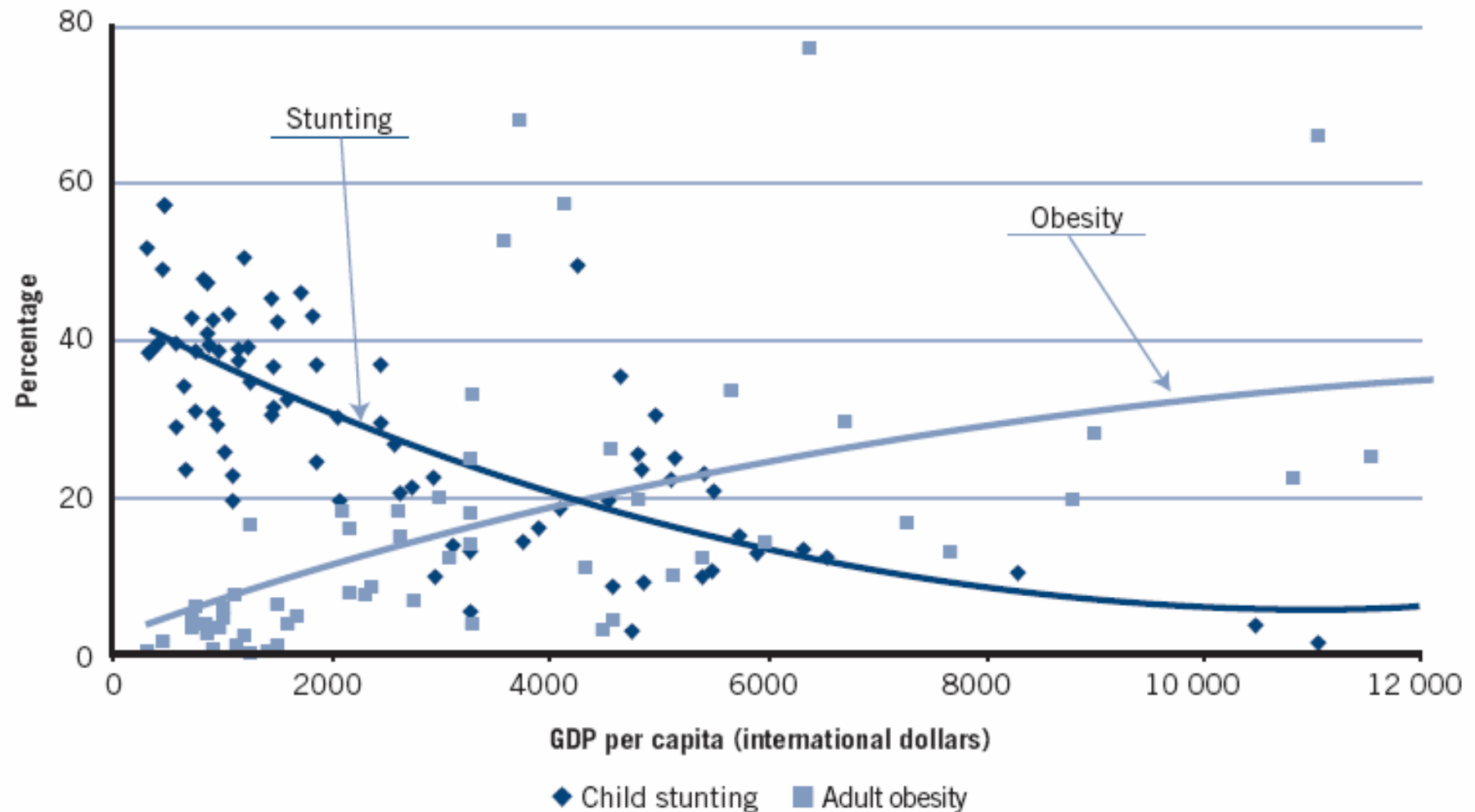
(CSDH GKN)



Adapted from: FAO: The State of Food Insecurity in the World 2005

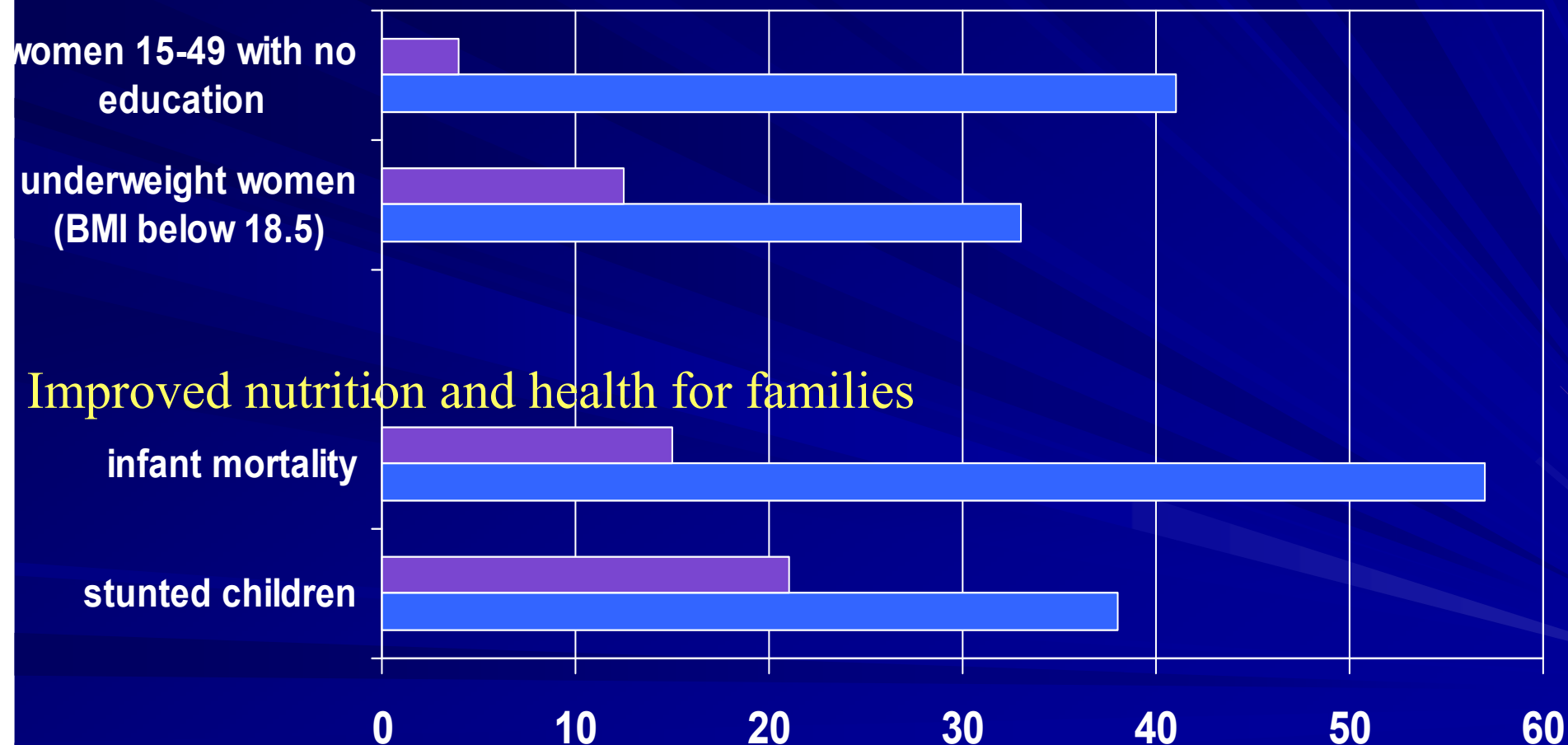
The Nutrition Transition

Undernutrition and obesity by the level of GDP per capita



Impact of better education and nutrition for women on nutrition and health for families in Kerala, India

Better education and nutrition for women



Improved nutrition and health for families

National Family Health Survey, India (NFHS-3: 2005-2006)

India as a whole Kerala

“The success of an economy and of a society cannot be separated from the lives that the members of the society are able to lead... we not only value living well and satisfactorily, but also appreciate having control over our lives.”

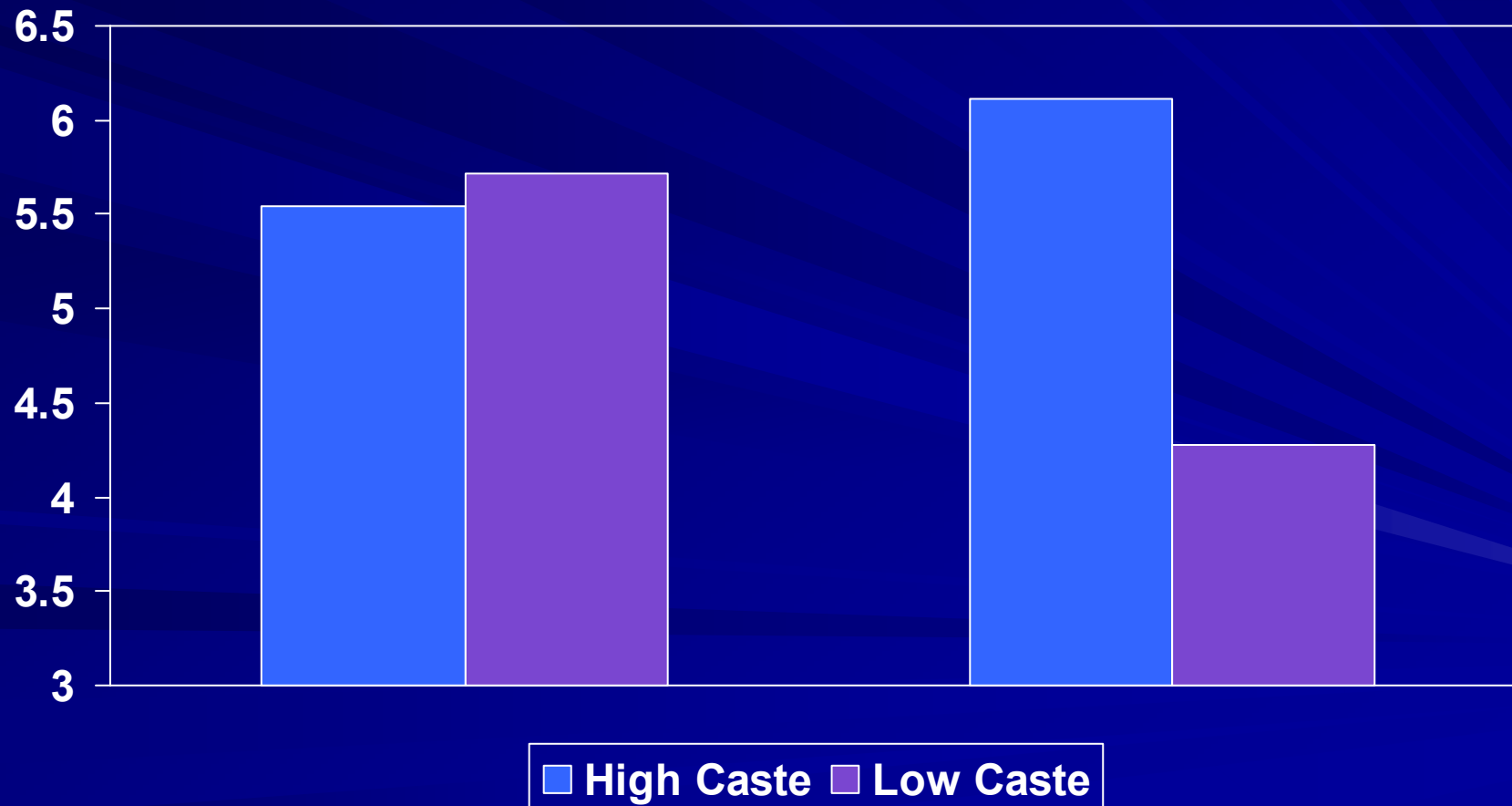
Amartya Sen, Development as Freedom
(1999)

NUMBER OF MAZES SOLVED IN 15 MIN: INDIAN CHILDREN 11-12 YEARS

Caste announced?

NO

YES



(Source: Hoff & Pandey, 2004)

MAKING A DIFFERENCE TO PEOPLE'S LIVES: SEWA

- Vegetable sellers in Ahmedabad
- Micro credit
- Vegetable wholesalers
- Legal right to sell vegetables
- Child care provision
- Health care provision
- Housing
- Pensions

Commission on Social Determinants of Health



- Bringing people and organisations together to create a global movement

www.who.int/social_determinants/en

A world where social justice is taken
seriously

“Rise up with me

...

against the organisation of misery.”

From: The Banner by Pablo Neruda