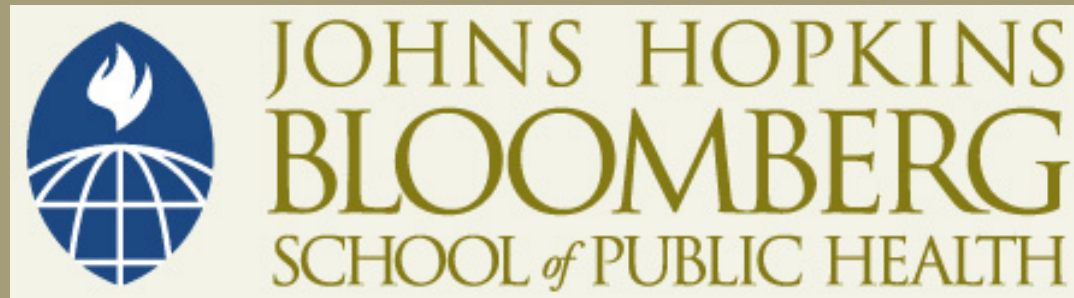


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JOHNS HOPKINS
BLOOMBERG
SCHOOL *of* PUBLIC HEALTH

Section B: Burden of Injuries

Adnan Hyder, MD, PhD

Leading Causes of Global Mortality, 2001

Disease or injury	Deaths in thousands
Ischemic heart diseases	6,880
Cerebrovascular disease	5,096
Lower respiratory infections	3,863
HIV/AIDS	2,943
COPD	2,520
Perinatal conditions	2,438
Diarrheal disease	2,124

Leading Causes of Global Mortality, 2001 (Continued)

Disease or injury	Deaths in thousands
TB	1,660
Road traffic accidents	1,259
Trachea bronchus and lung cancer	1,210
Malaria	1,080
Hypertensive heart disease	939
Self-inflicted injuries	814
Diabetes mellitus	808

Global Burden of Disease, 2000: Causes of Death

<i>Causes</i>	<i>Death (*10⁶)</i>	<i>%</i>
Group 1	12	24
Group 2	33	66
Group 3	5	10

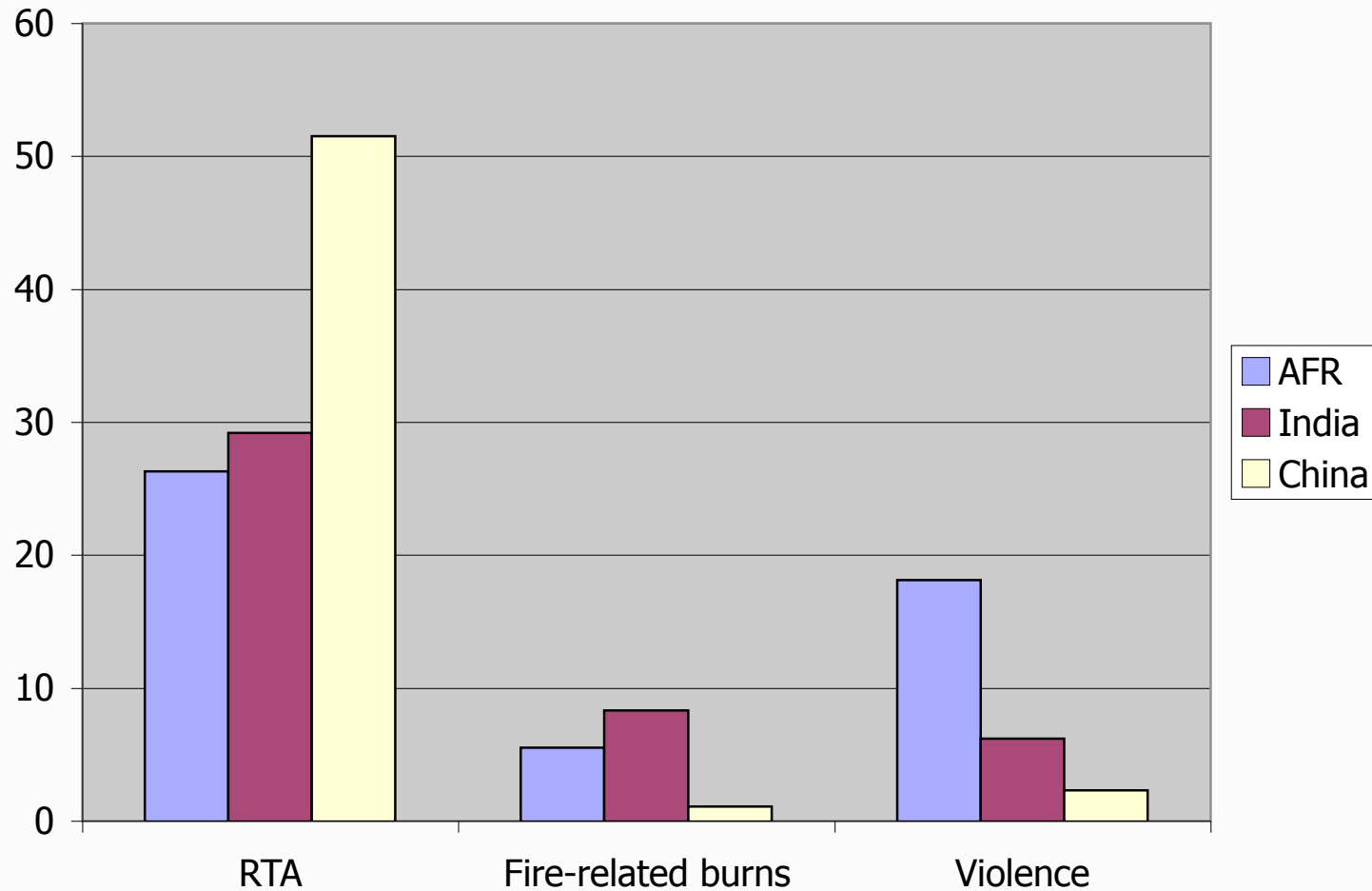
A Central Question

- Do injury patterns differ around the world?



Comparison of Death Rates

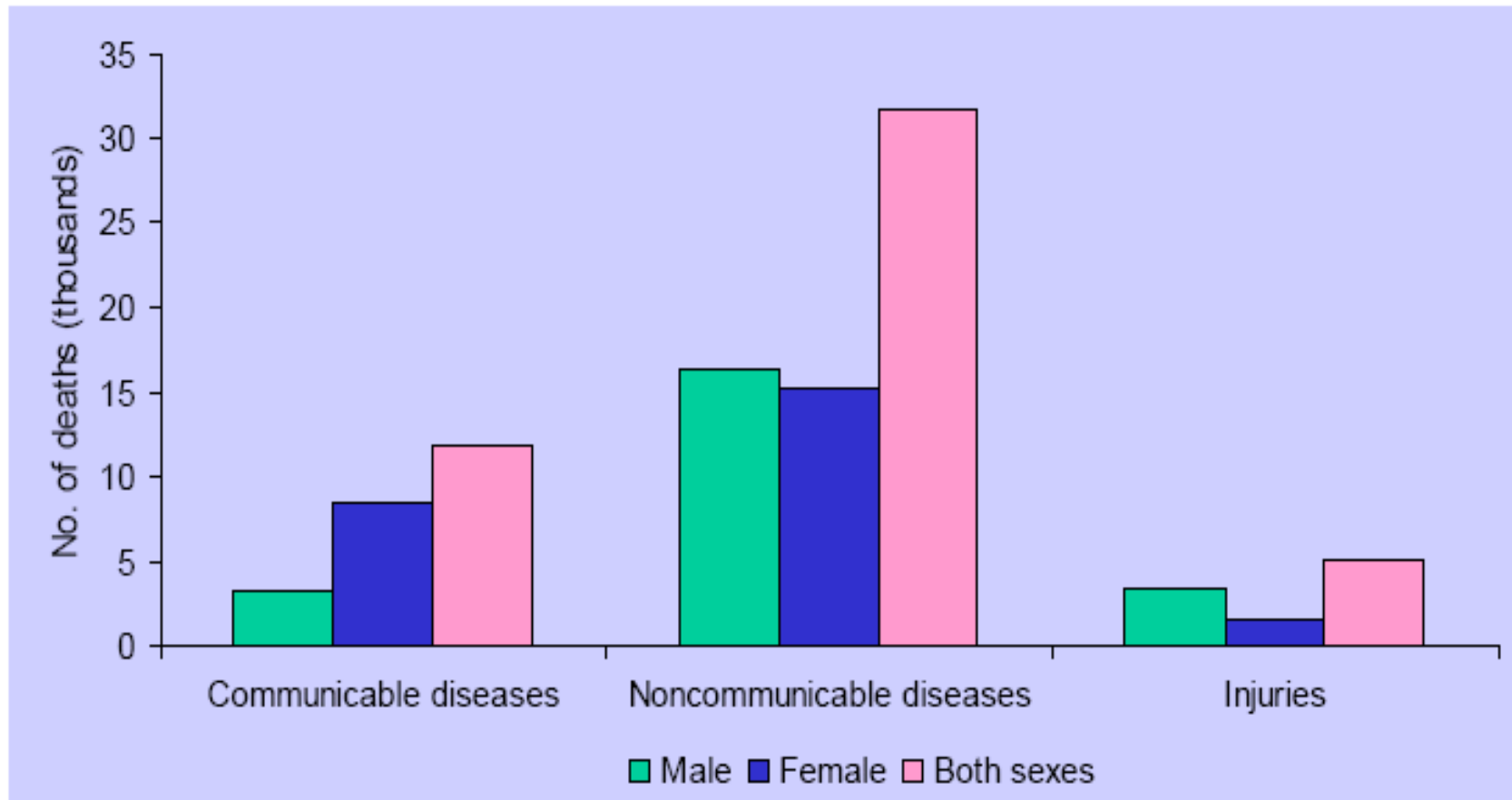
- Per 100,000 by various mechanisms in WHO regions 2000



Mortality Rates by Regions

- Injury rates higher in developing countries
 - 118.8 injury-related deaths per 100,000 in Africa
 - 47.6 injury-related deaths per 100,000 in the HIC Europe

Global Mortality by Sex and Cause, 2000



Injury Deaths in South Africa

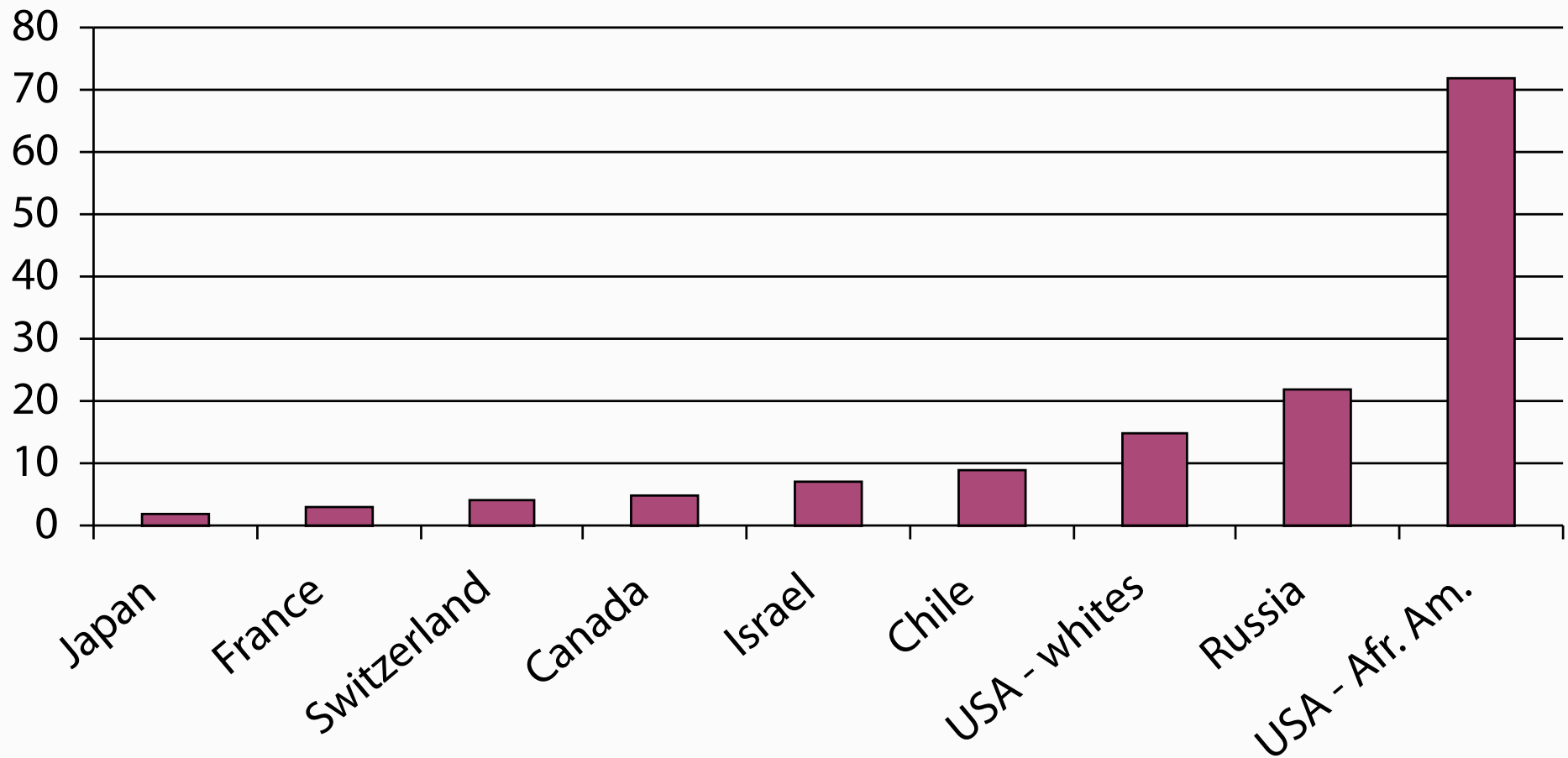
- In Africa, injuries cause approximately 100 deaths per 100,000 population per year, ranking third behind diarrhea and malaria
- Most common injuries causing death
 - Fall
 - Road traffic injuries
 - Assault
 - Burns
 - Poisoning

Injury Deaths in Mexico (1996)

- Accidents are the third leading cause of deaths in Mexico
- 8% of mortality in 1996 due to accidents
- Motor vehicle crashes caused 45.5% of accident-related deaths in 1996
- Most frequent locations with injury mortality were public roads, streets, or the home

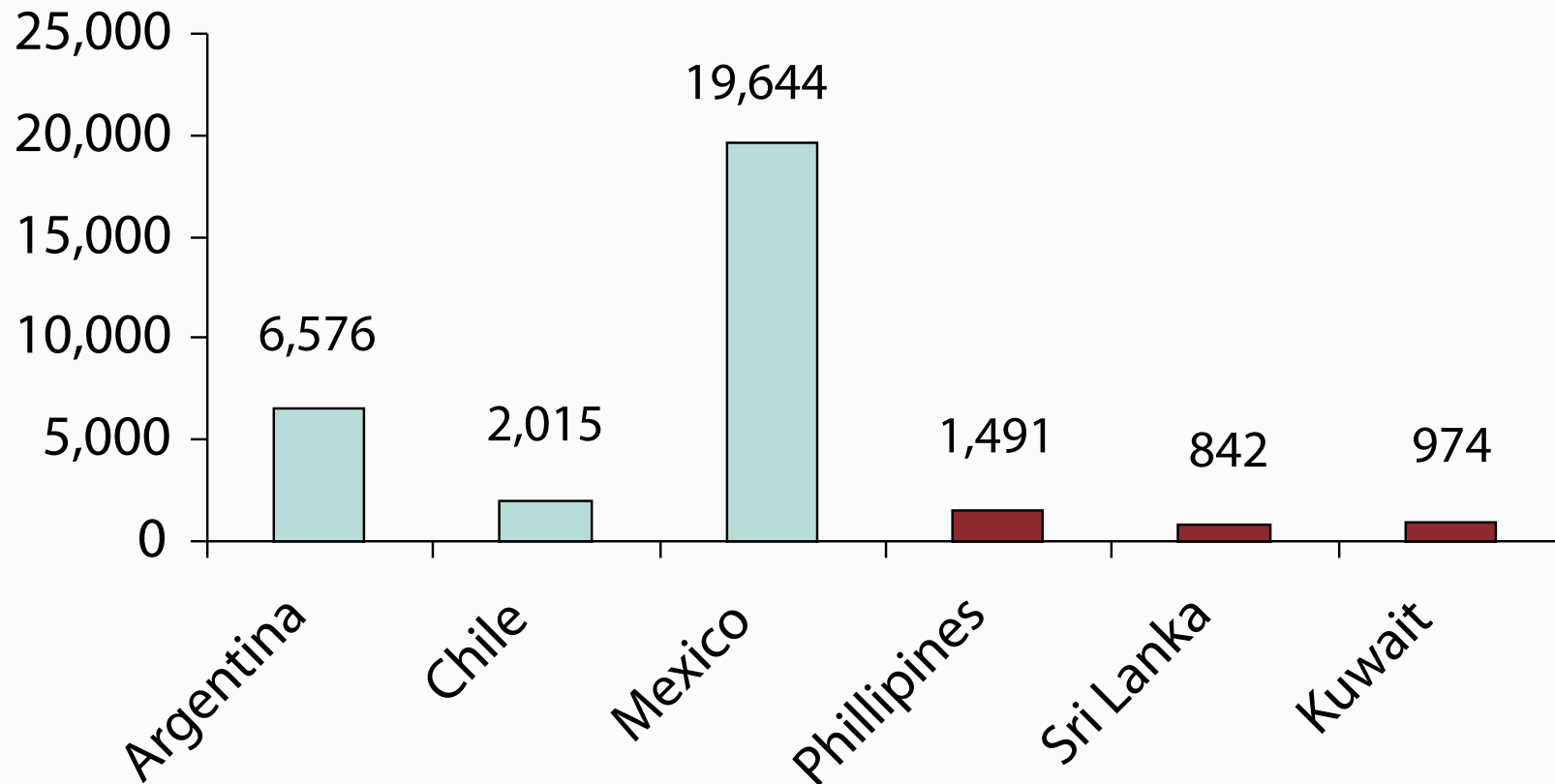
Adjusted Male Mortality from Homicides

- For selected countries—rates/100,000, 1989–91



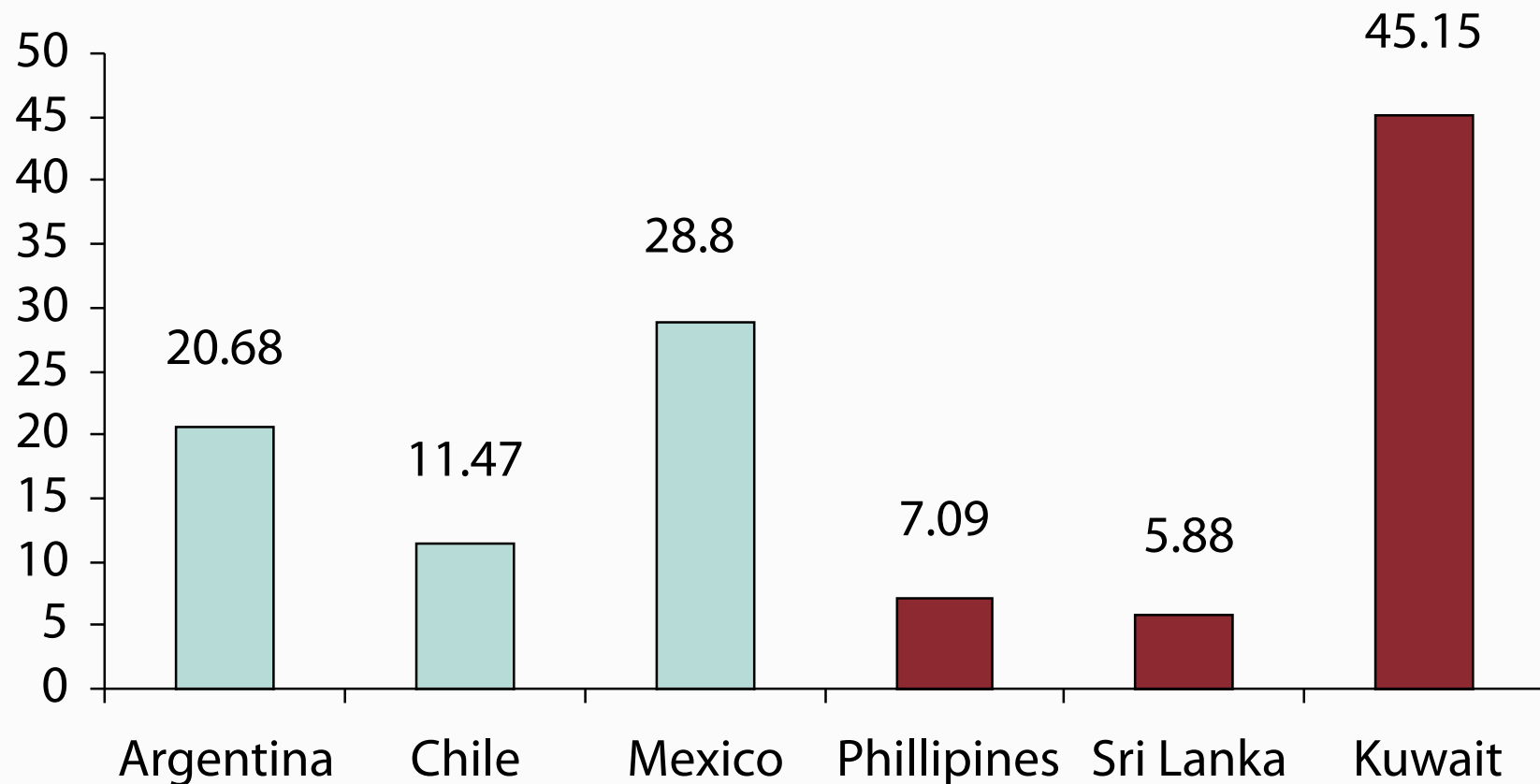
Total Number of Deaths Worldwide from MVC, 1985–89

- Total deaths from motor vehicle crashes (MVC)

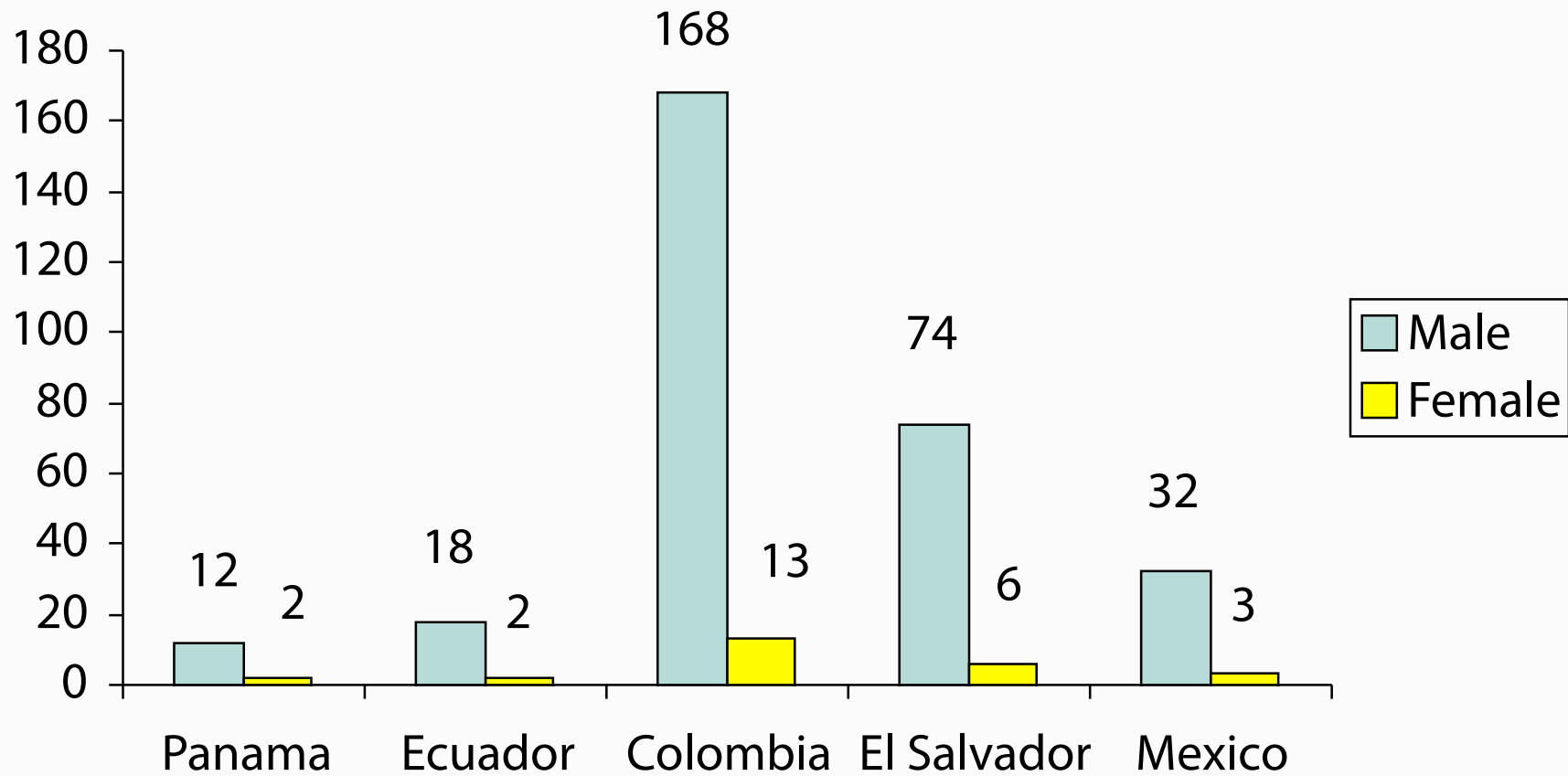


Age-Standardized–World Standard Mortality Rates

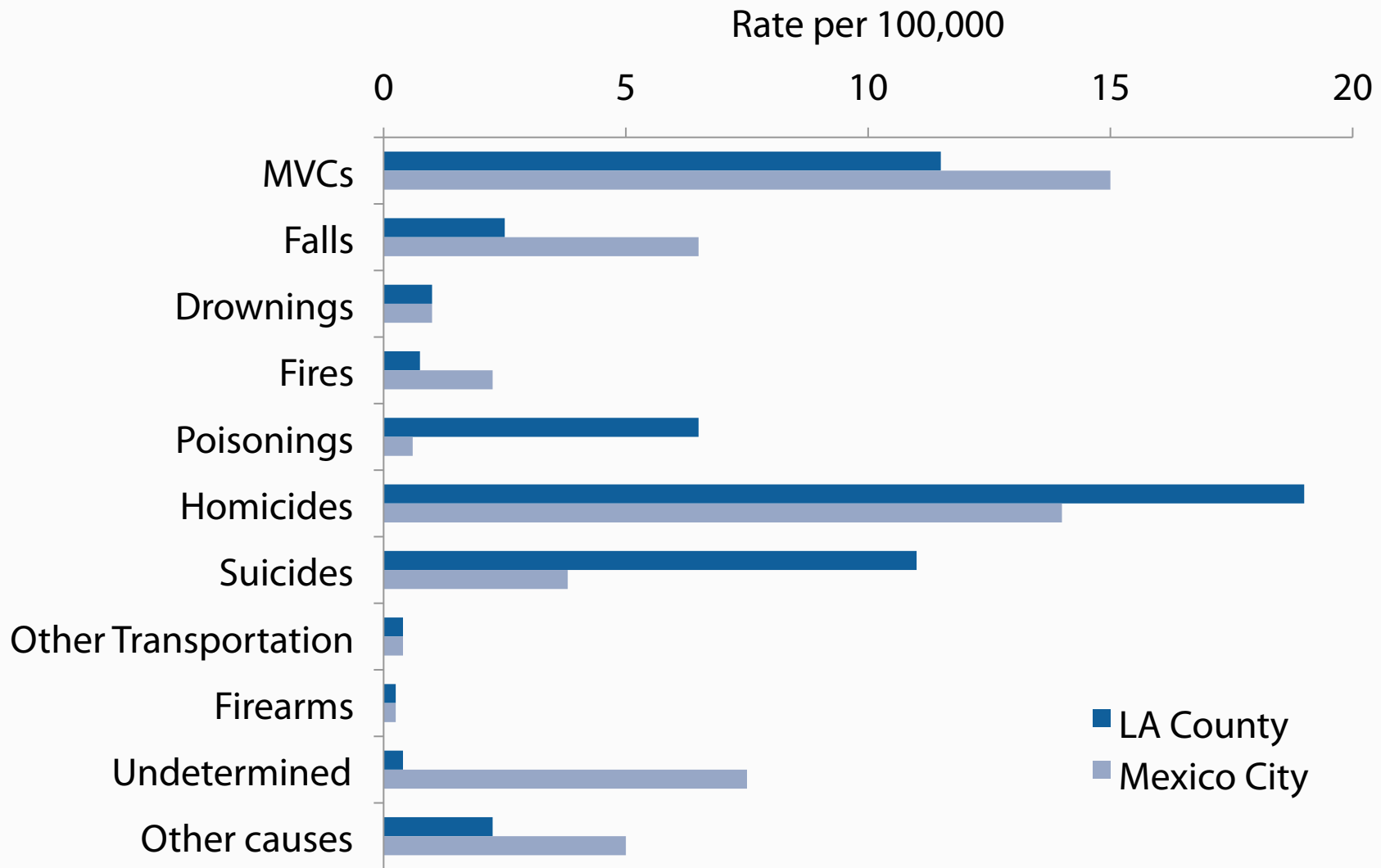
- Age-standardized–world standard mortality rates/100,000 population from MVC, 1985–89



Deaths per 100,000 in Selected Latin American Nations



Age-Adjusted Injury Death Rates by Cause, 1994-95



Top Three Causes of Injury Deaths in China and U.S.

- China
 - Road traffic injuries (RTI)
 - Suicide
 - Drowning
- United States
 - RTI
 - Interpersonal violence
 - Falls

Injury Death Rates per 100,000 in China and U.S. (2000)

