

Population Health Infant and Child Mortality

Impact of Military Interventions and Economic
Sanctions

Nader Sadeghi, MD

Associate Professor of
Otolaryngology/Surgery
George Washington University
Washington, DC

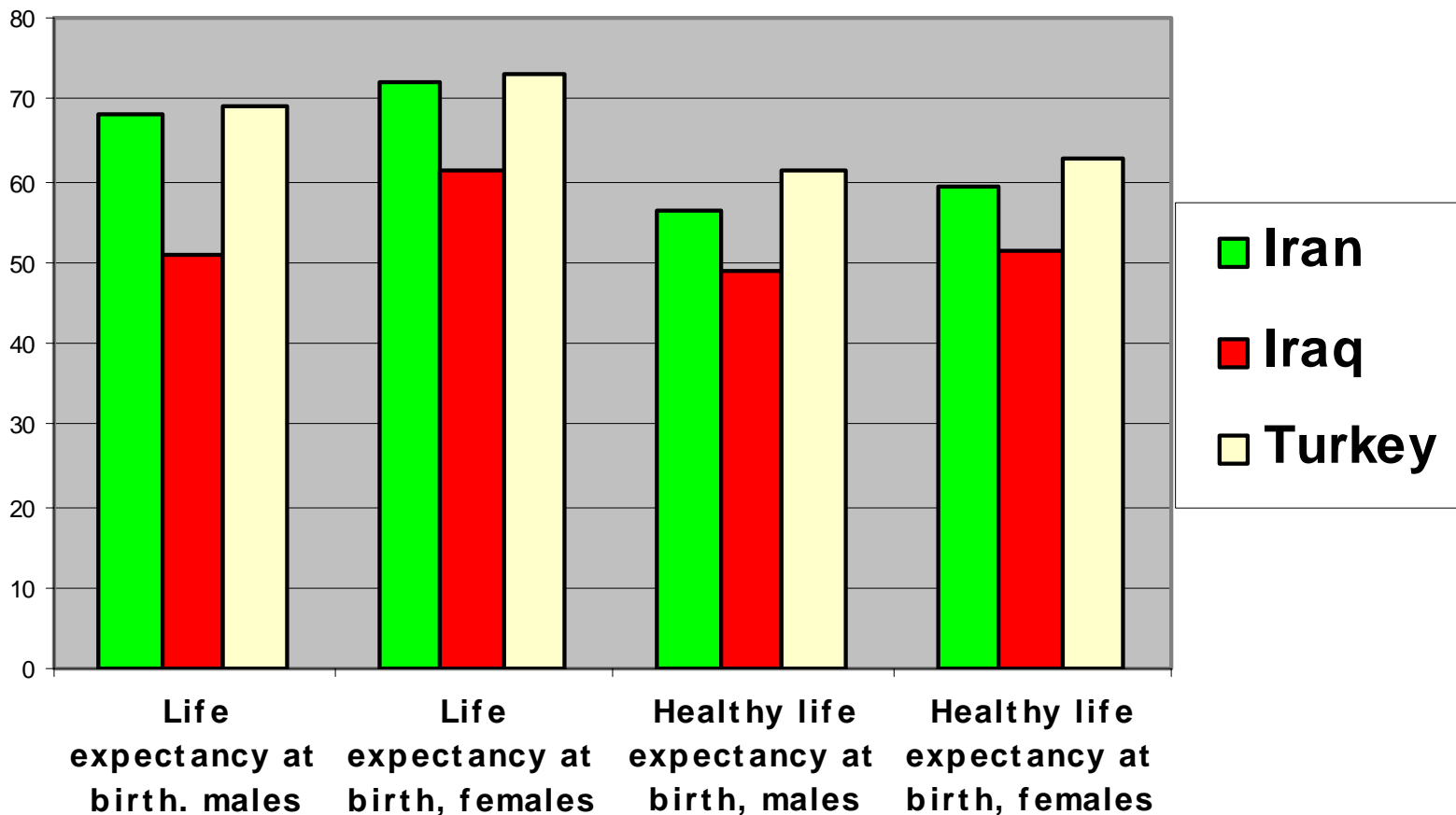
nsadeghi@mfa.gwu.edu

202-741-3254

Sources of Data

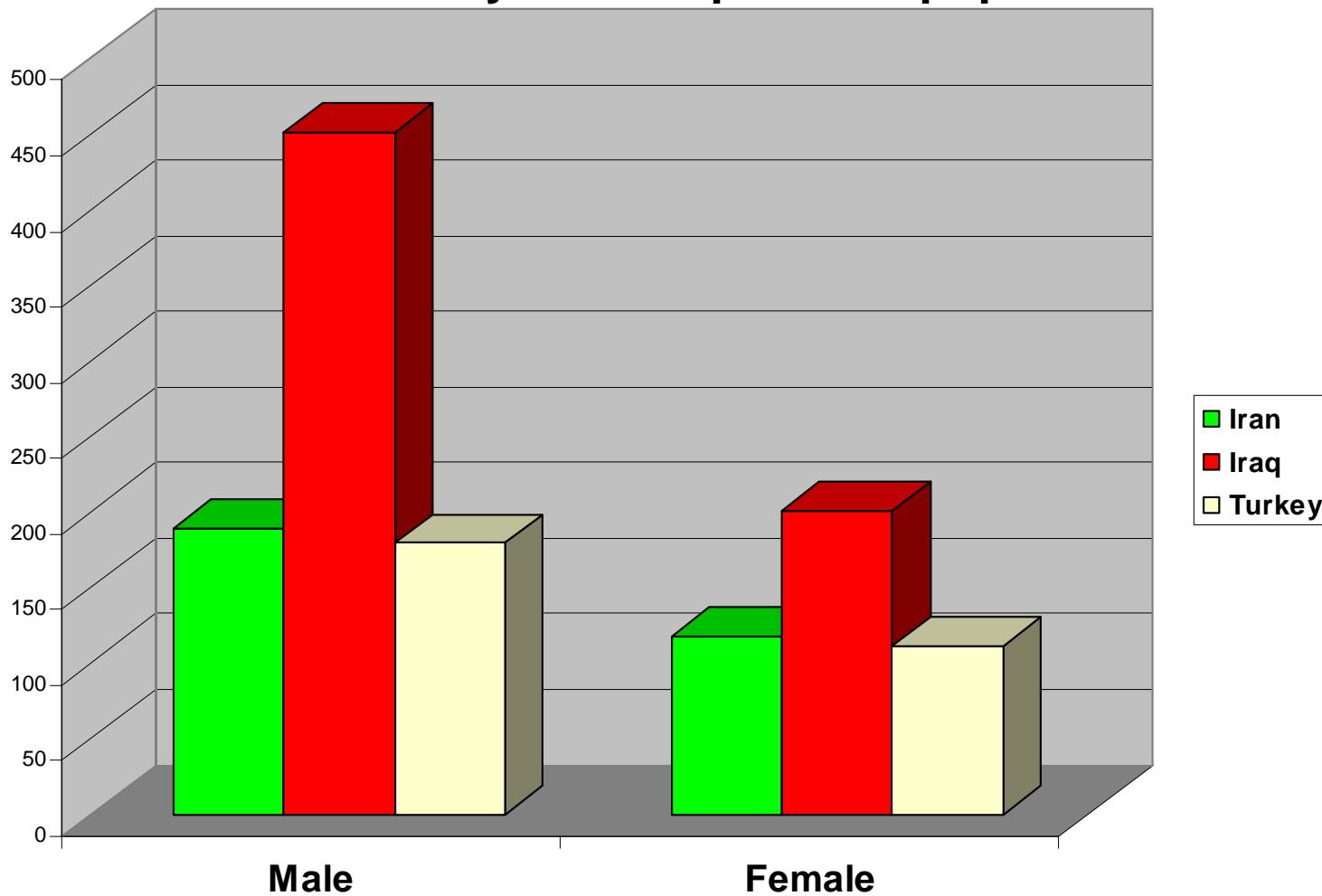
- UNICEF
- WHO core health indicators
- Other selected bibliography on the effects of US military interventions in Iraq:
 - The effect of the Gulf crisis on the children of Iraq. The Harvard Study Team, NEJM 325, 977-80, 1991
 - Effect of the Gulf War on infant and child mortality in Iraq, Ascherio et al, NEJM 327, 931-6, 1992
 - The health impact of economic sanctions, Garfield et al, Bull NY Acad Med 72, 454-69, 1995
 - A multivariate method for estimating mortality rates among children under 5 years from health and social indicators in Iraq, Garfield et al, Int J Epidemiol 29, 510-5, 2000

Life and Healthy Life Expectancy 2004 and 2002 data

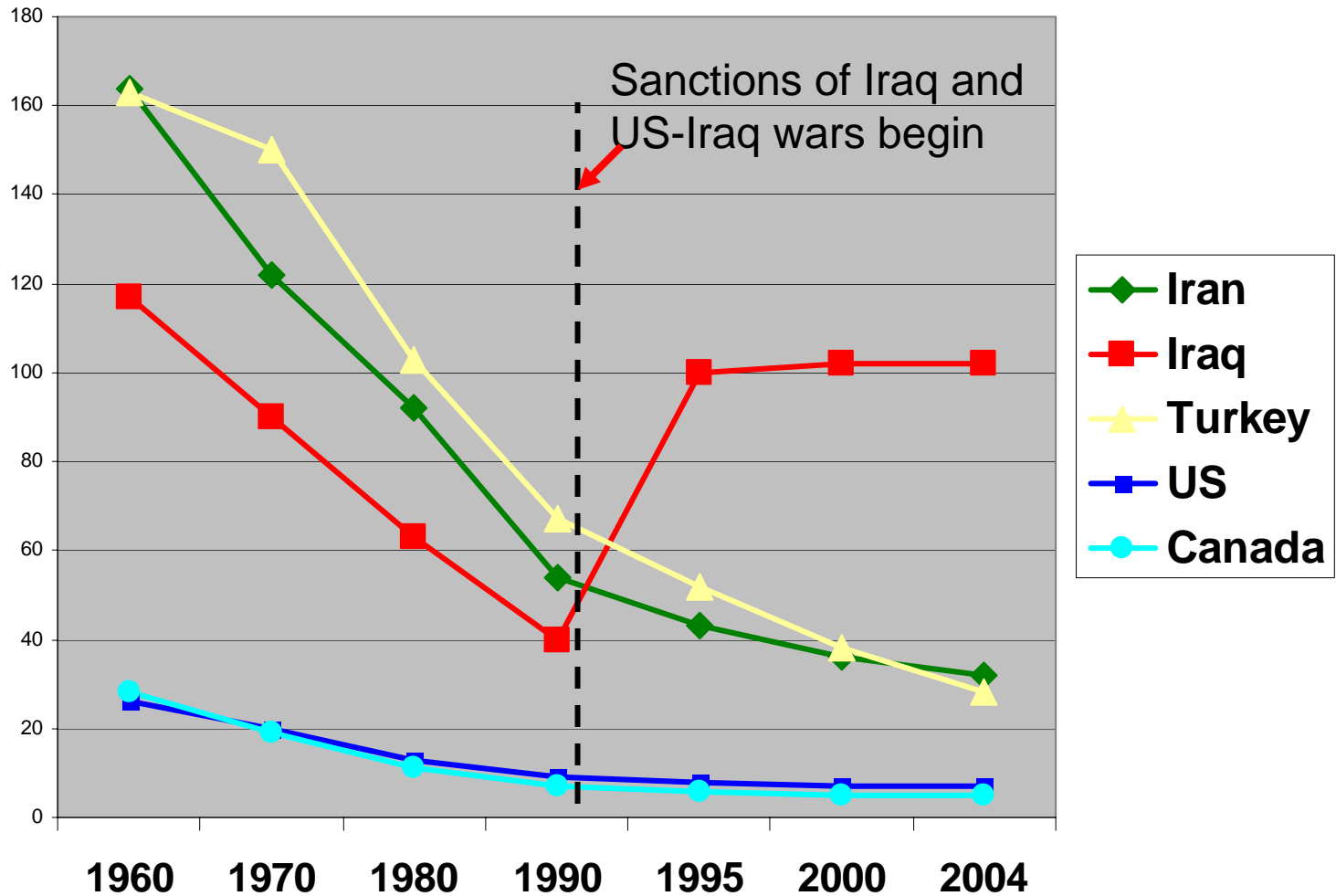


Adult Mortality Rate, 2004

Between 15-60 years old per 1000 population

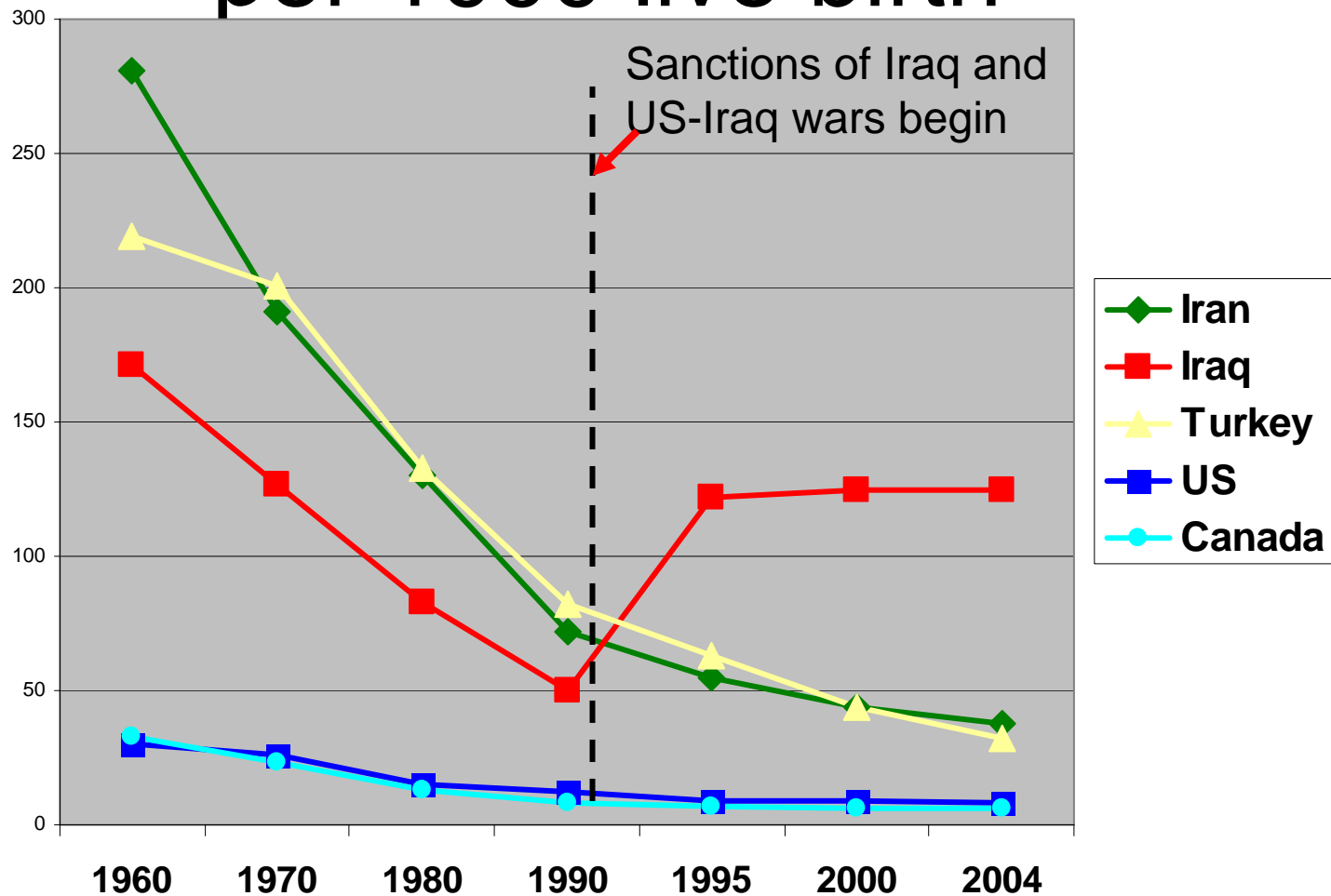


Infant Mortality Rate, per 1000 live birth



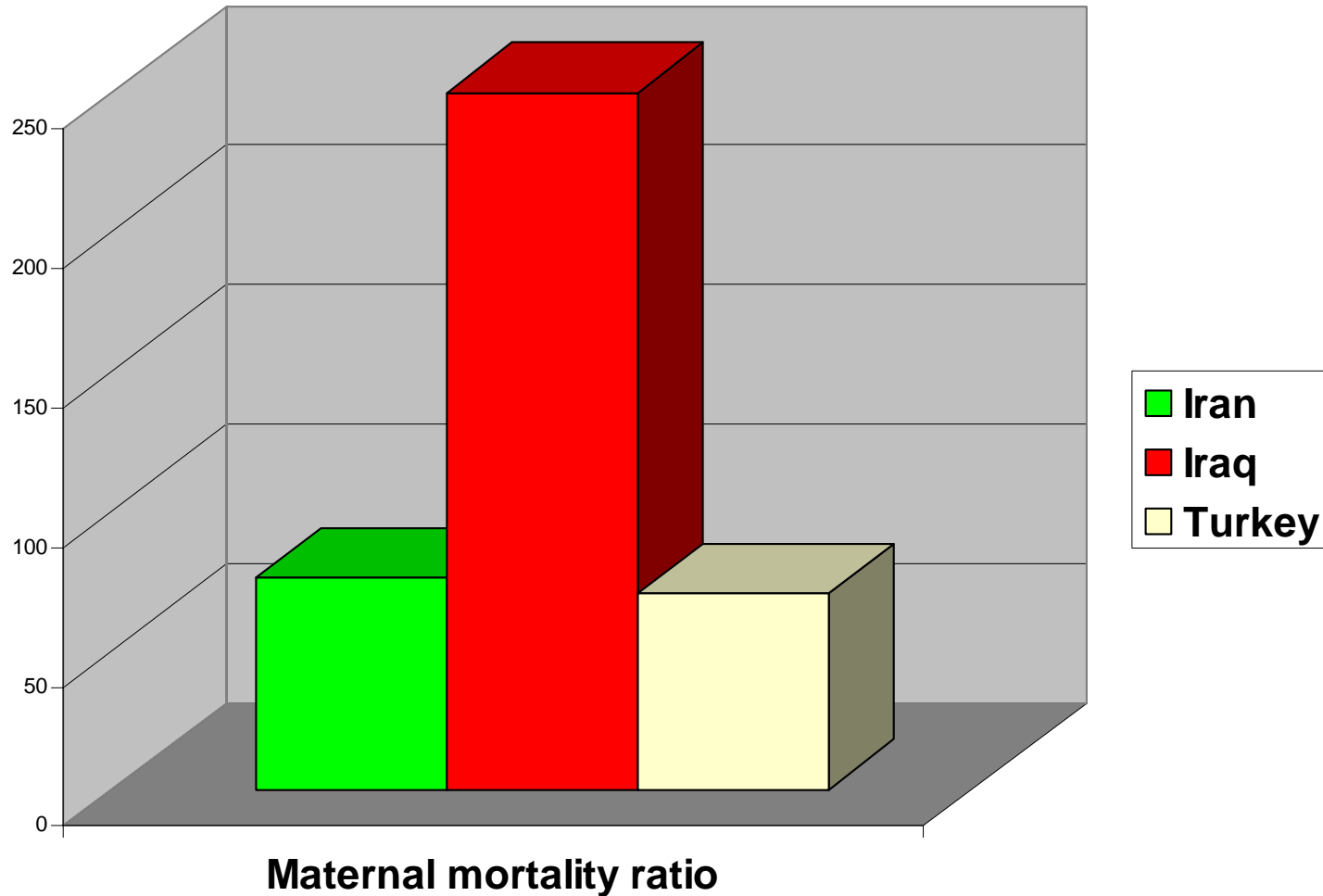
UNICEF data: <http://millenniumindicators.un.org/unsd/mi/mi.asp>

Child under 5 mortality rate per 1000 live birth

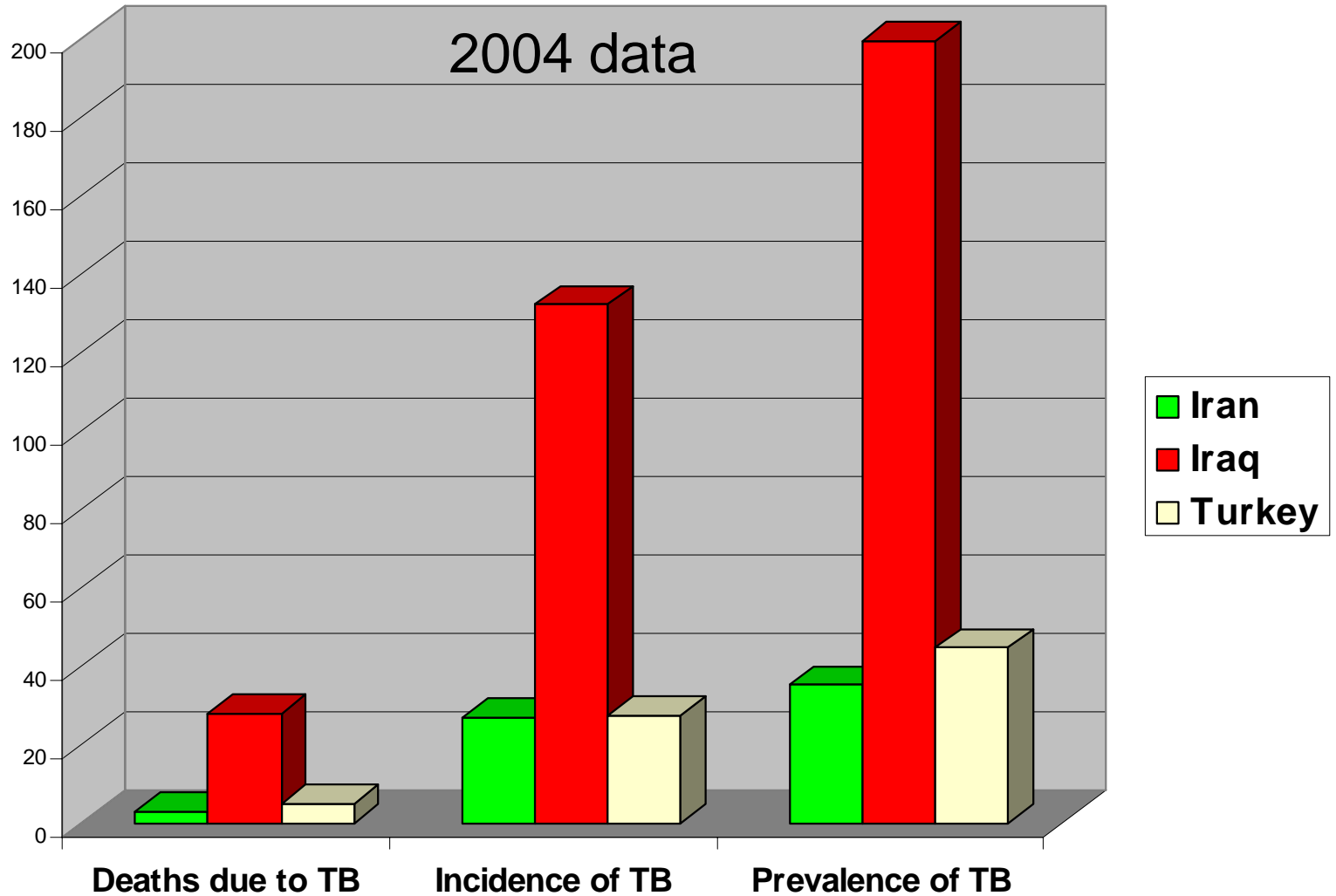


UNICEF Data: <http://millenniumindicators.un.org/unsd/mi/mi.asp>

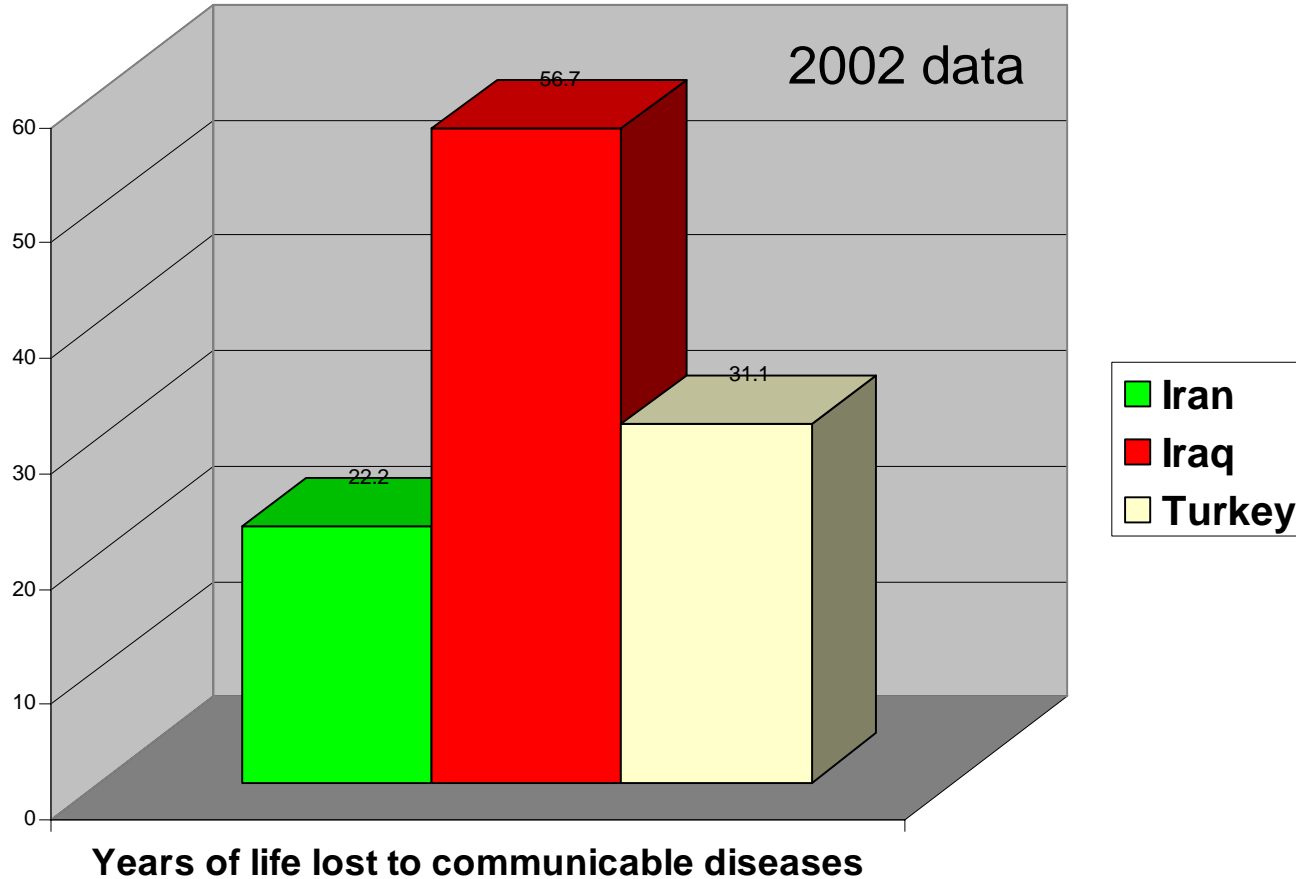
Maternal Mortality Ratio (2000) per 100,000 live birth



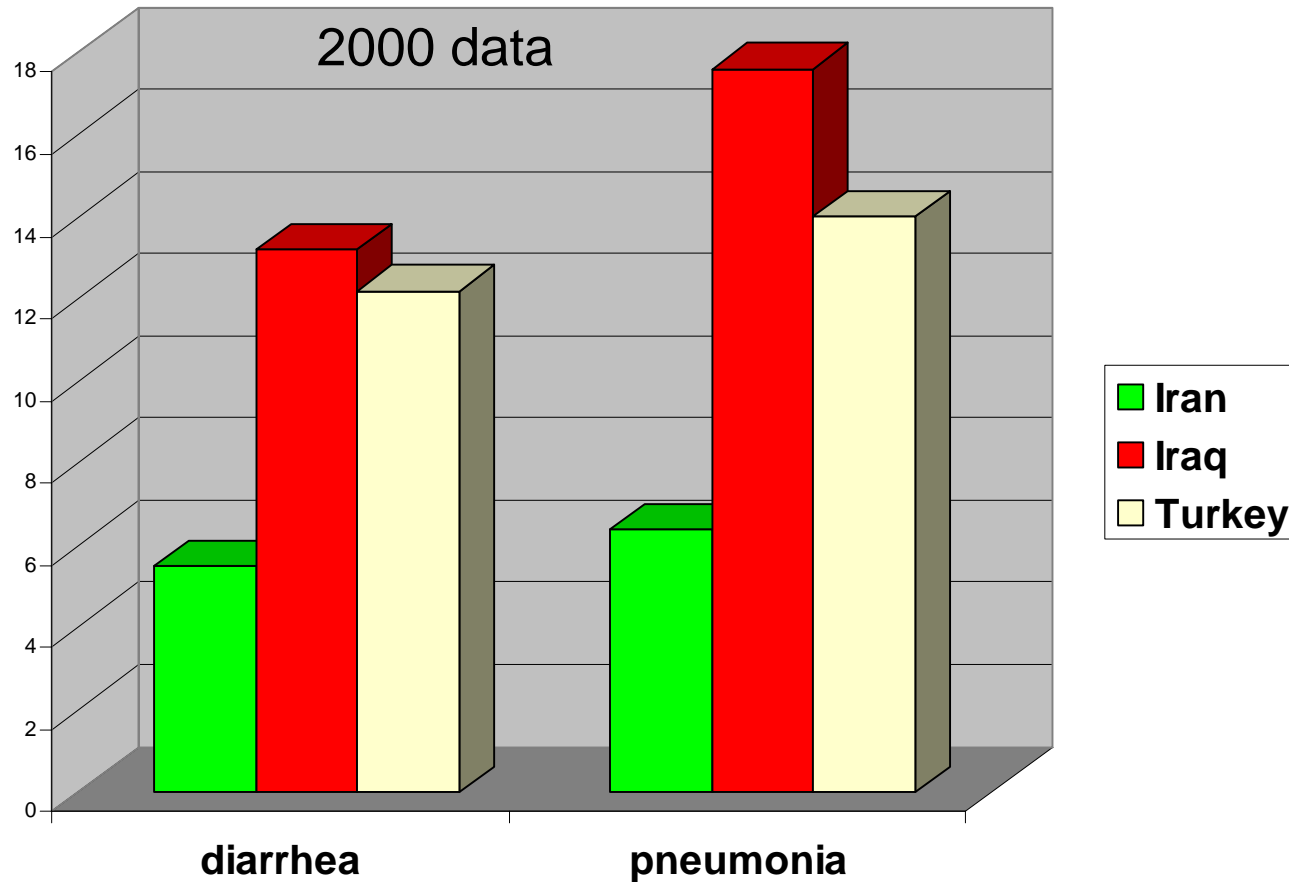
TB stats in non-HIV



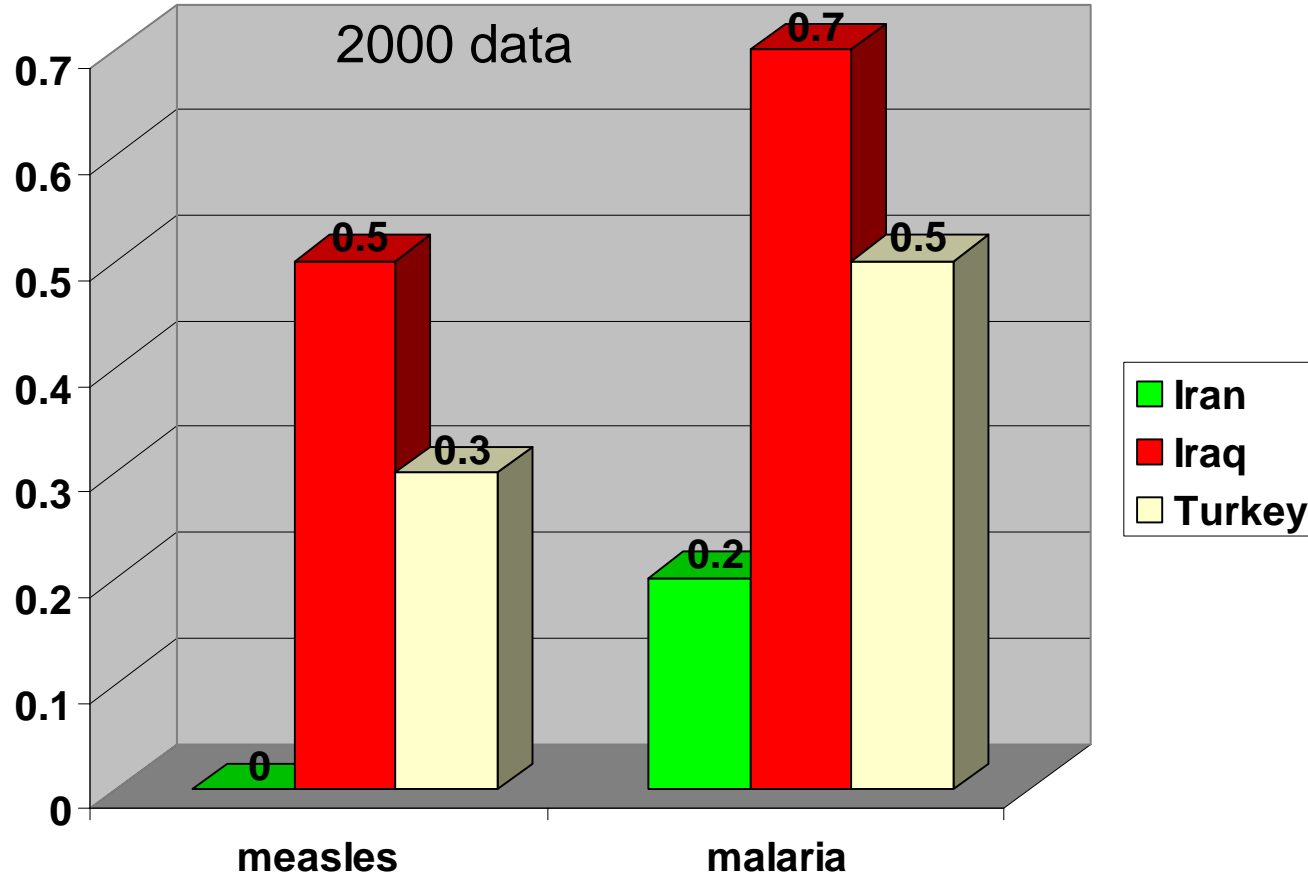
Years of Life Lost to Communicable Disease



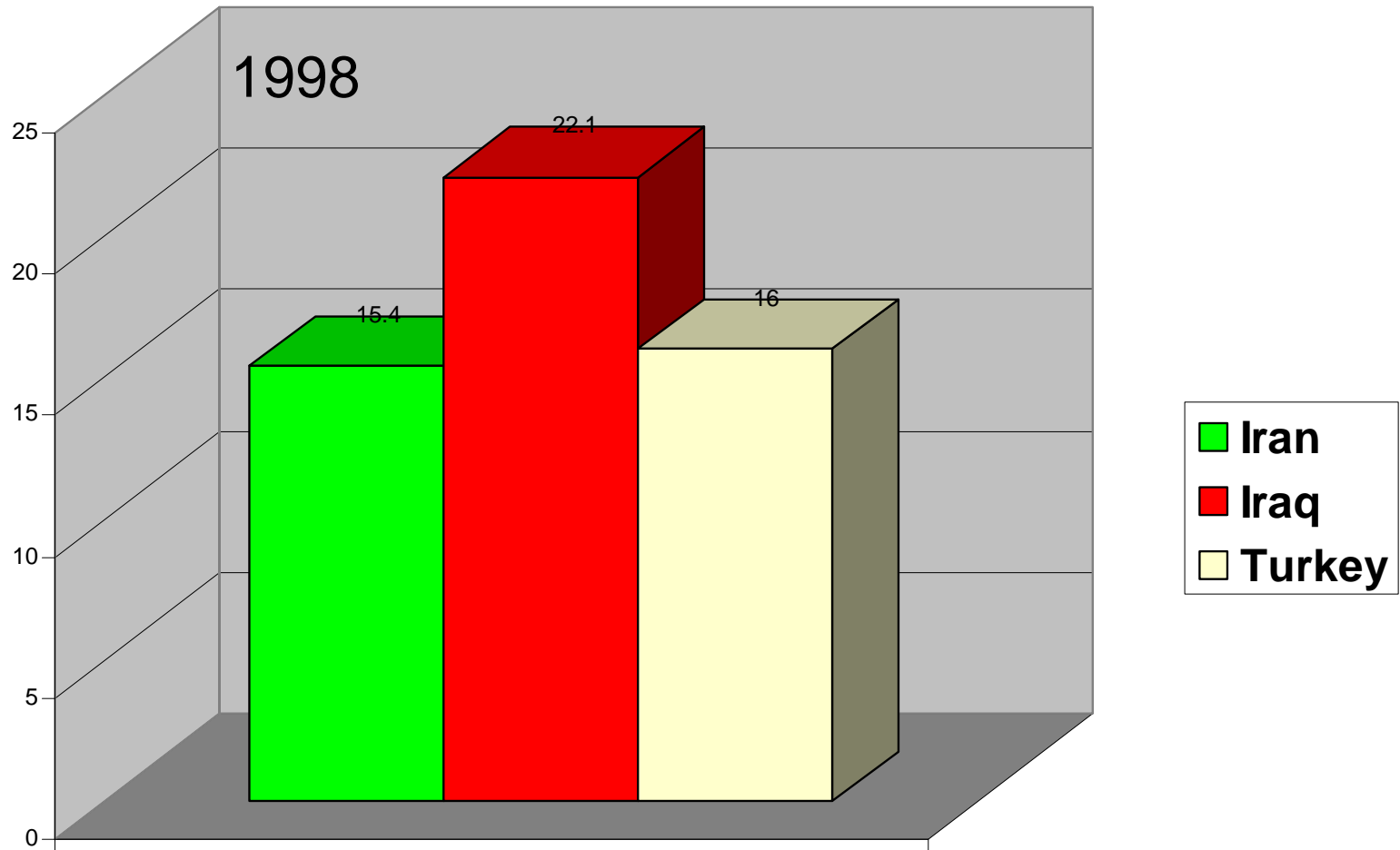
Child < 5 Death from (%)



Child < 5 Death from (%)

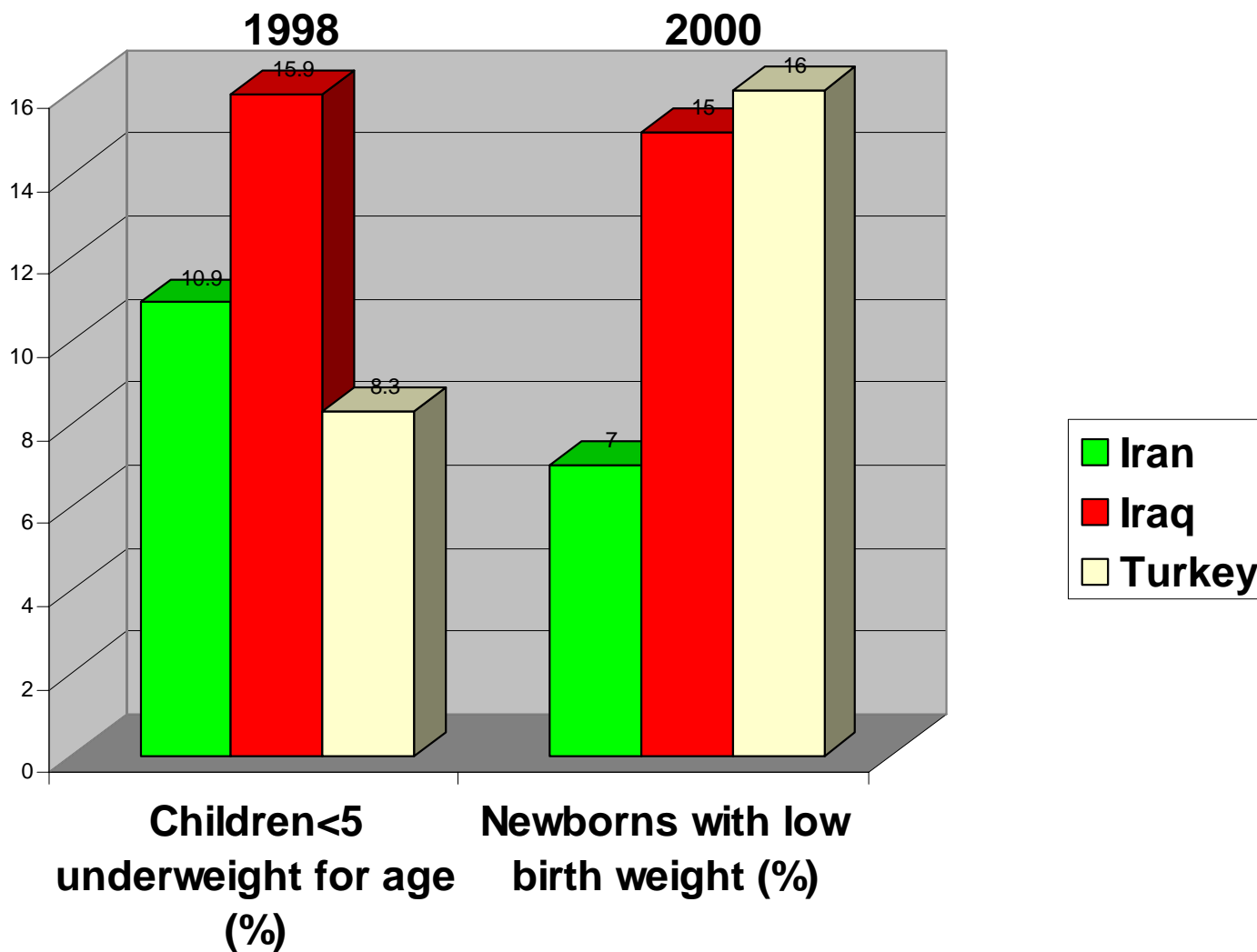


% children <5 stunted for age

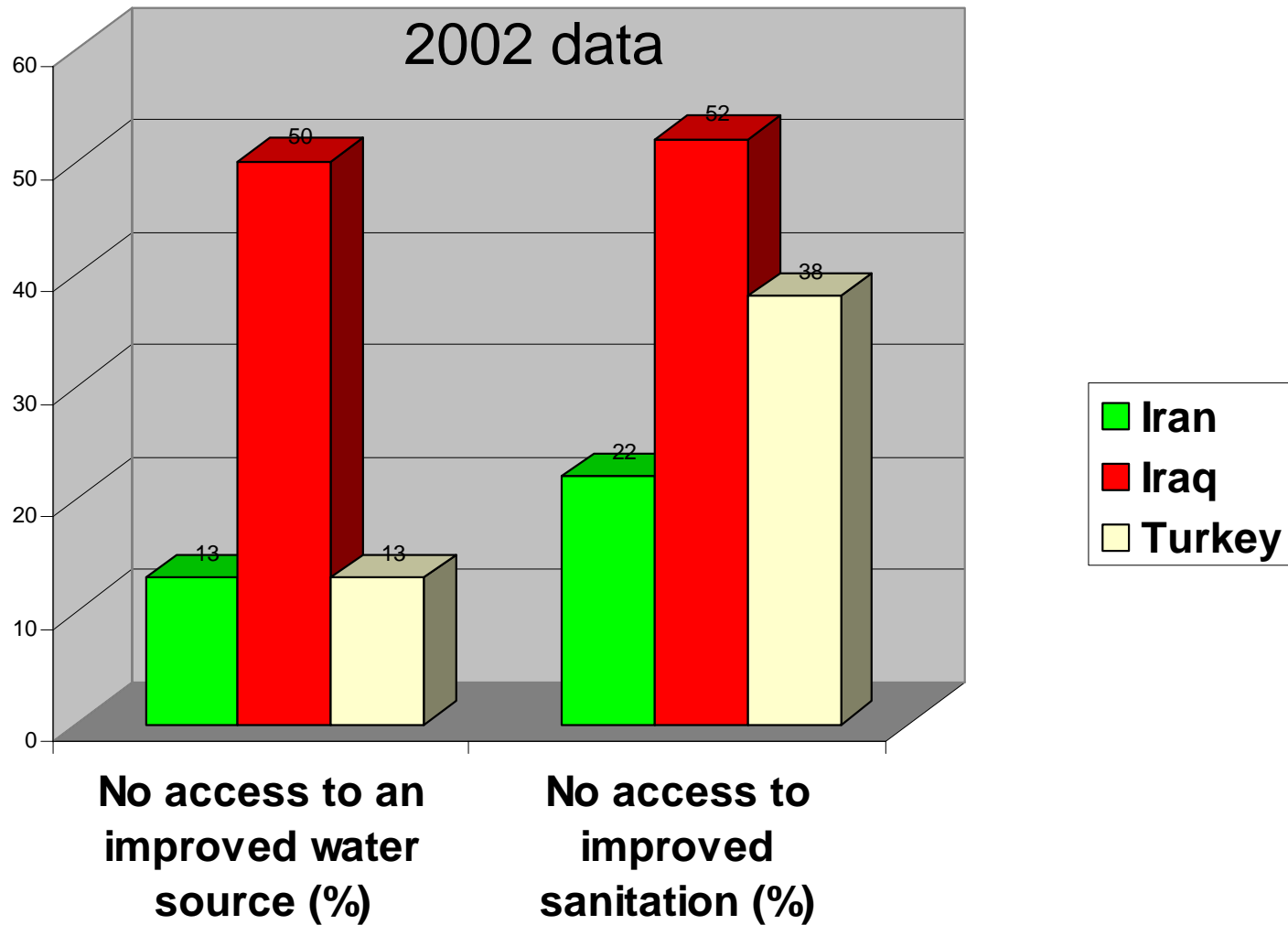


**Children under five years of age
stunted for age (%)**

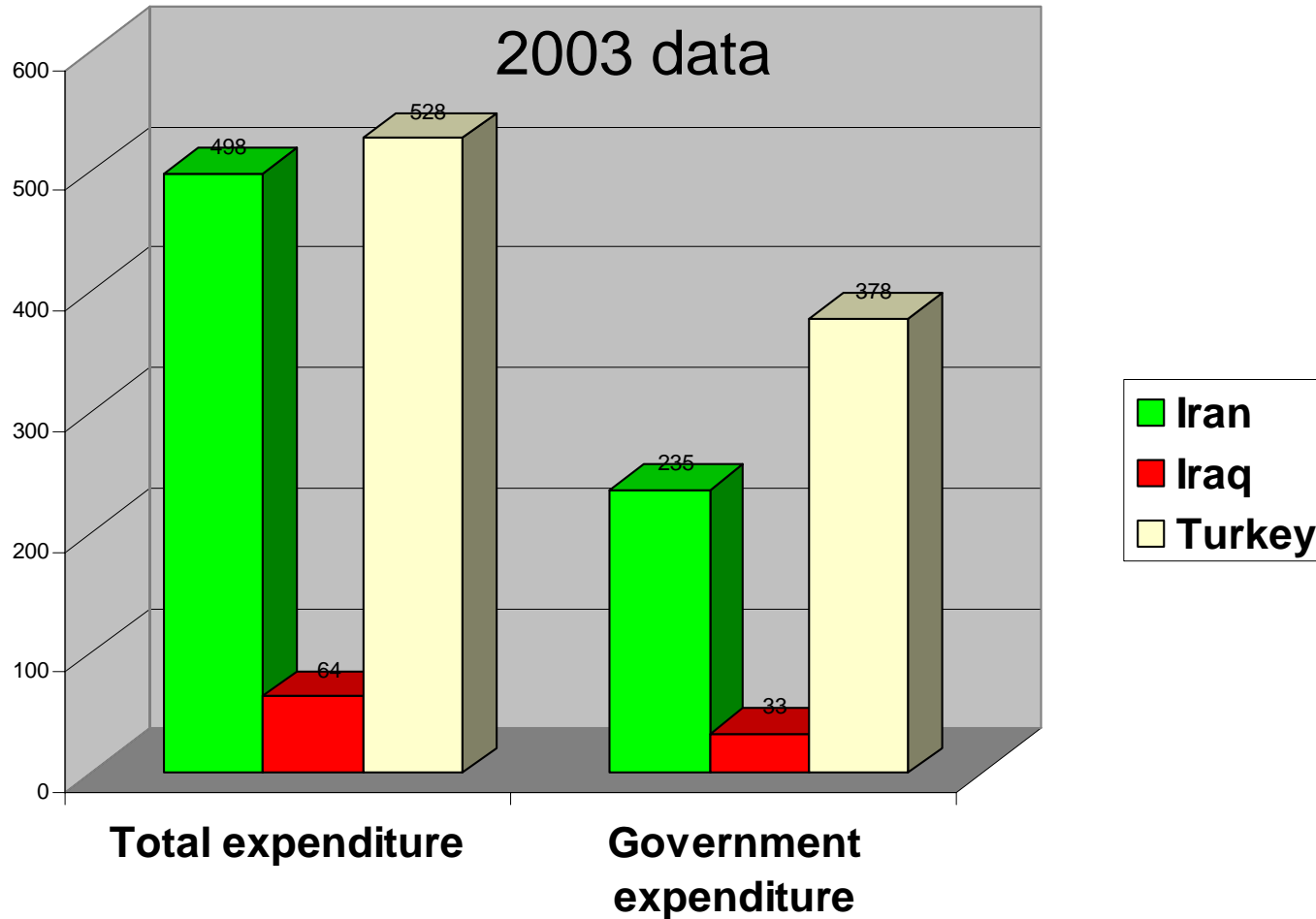
Underweight Newborn and Child <5



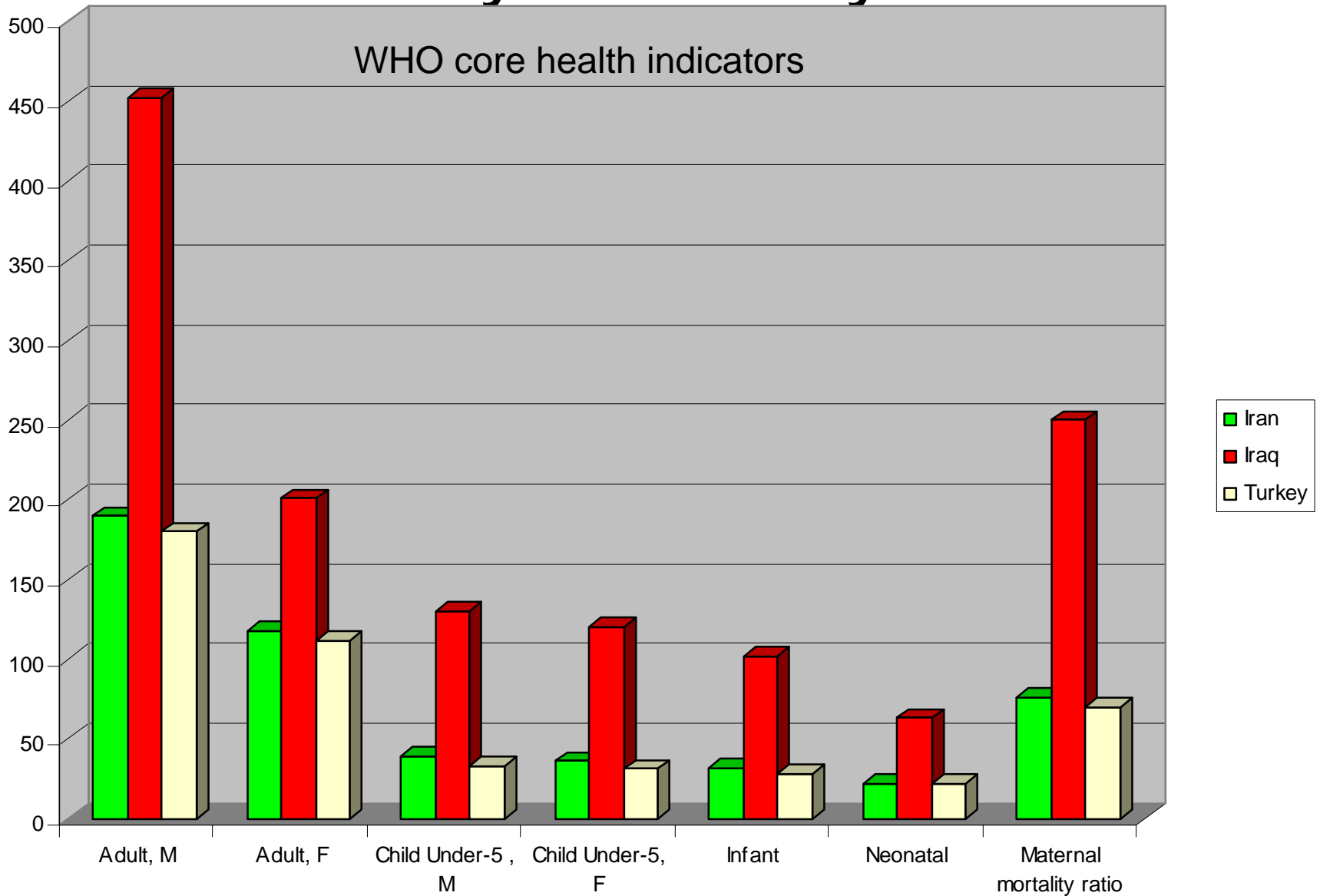
% Rural Population Lacking Access to Improved Water and Sanitation



Per Capita Expenditure on Health at International Dollar Rate



Summary Mortality Rate



Estimated consequences on children of UN sanctions or military interventions of US in Iran

- Number of live births in Iran in 2003:
1,171,573 based on UNICEF

Based on Iraq data, expected increased mortality in Iran may lead to:

- 80838 increased infants deaths per year
- 100755 increased children under 5 death per year
- 5-year conflict = 1 million children and infants death
- 15-year conflict = 3 million children and infants death

What can be done?

- Act to prevent sanctions and military intervention in Iran
- Expose catastrophic consequences of war
- Indifference is not a solution
- WHO: “The promotion and protection of human rights and promotion and protection of health are fundamentally linked.”