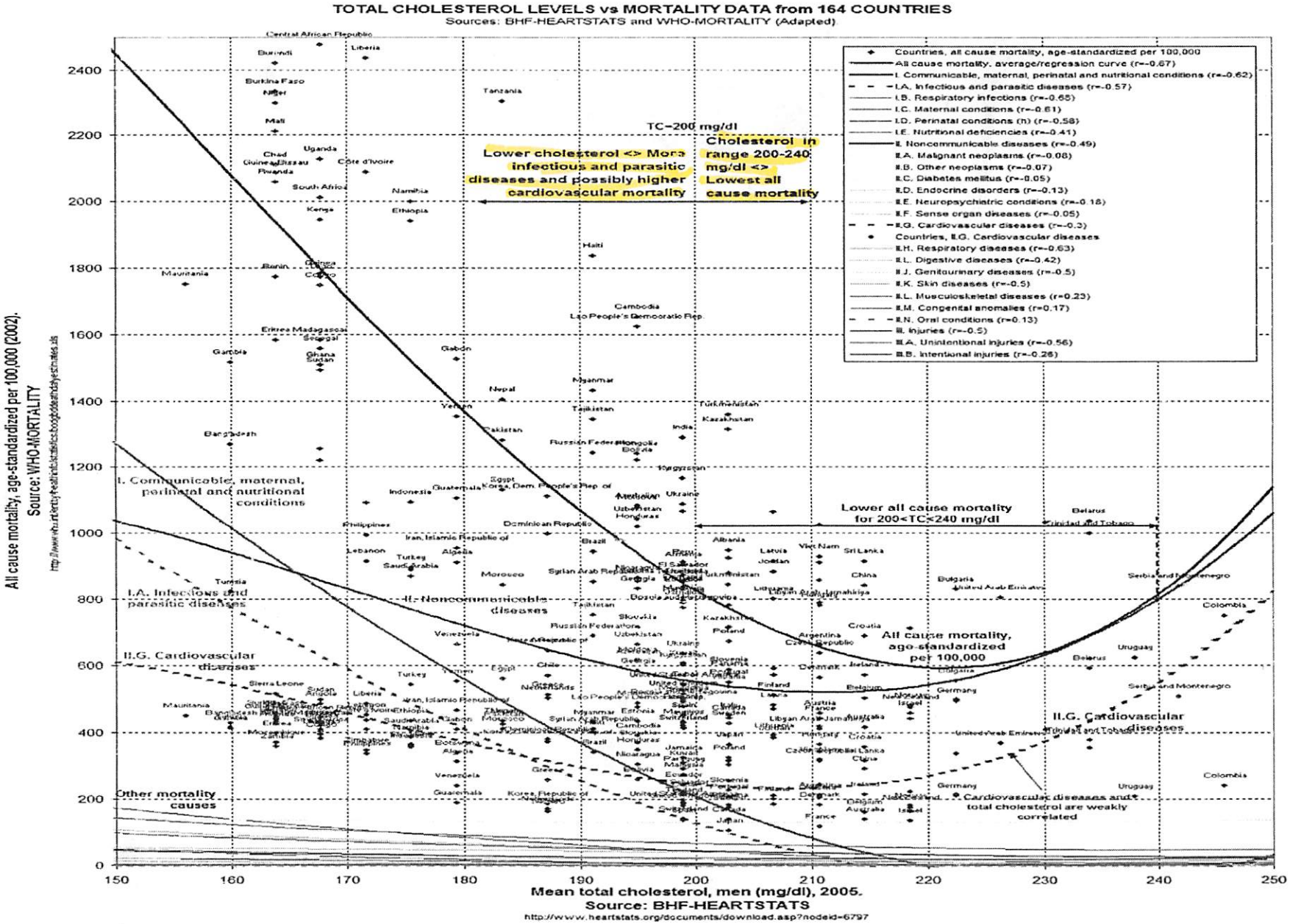
TOTAL CHOLESTEROL LEVELS vs MORTALITY DATA from 164 COUNTRIES
Sources: BHF-HEARTSTATS and WHO-MORTALITY (Adapted)
All cause mortality, age-standardized per 100,000 (2002).
Source: WHO-MORTALITY
http://www.who.int/entity/healthinfo/statistics/bodgbddeathdalyestimates.xls
Countries, all cause mortality, age-standardized per 100,000
All cause mortality, average/regression curve (r=-0.67)
I. Communicable, maternal, perinatal and nutritional conditions (r=-0.62)
I.A. Infectious and parasitic diseases (r=-0.57)
I.B. Respiratory infections (r=-0.65)
I.C. Maternal conditions (r=-0.61)
I.D. Perinatal conditions (h) (r=-0.58)
I.E. Nutritional deficiencies (r=-0.41)
II. Noncommunicable diseases (r=-0.49)
II.A. Malignant neoplasms (r=-0.08)
II.B. Other neoplasms (r=-0.07)
II.C. Diabetes mellitus (r=-0.05)
II.D. Endocrine disorders (r=-0.13)
II.E. Neuropsychiatric conditions (r=-0.18)
II.F. Sense organ diseases (r=-0.05)
II.G. Cardiovascular diseases (r=-0.3)
Countries, II.G. Cardiovascular diseases
II.H. Respiratory diseases (r=-0.63)
II.I. Digestive diseases (r=-0.42)
II.J. Genitourinary diseases (r=-0.5)
II.K. Skin diseases (r=-0.5)
II.L. Musculoskeletal diseases (r=0.23)
II.M. Congenital anomalies (r=0.17)
II.N. Oral conditions (r=0.13)
III. Injuries (r=-0.5)
III.A. Unintentional injuries (r=-0.56)
III.B. Intentional injuries (r=-0.26)
TC=200 mg/dl
Lower cholesterol <> More infectious and parasitic diseases and possibly higher cardiovascular mortality
Cholesterol in range 200-240 mg/dl <> Lowest all cause mortality
Lower all cause mortality for 200<TC<240 mg/dl
I. Communicable, maternal, perinatal and nutritional conditions
I.A. Infectious and parasitic diseases
II. Noncommunicable diseases
II.G. Cardiovascular diseases
All cause mortality, age-standardized per 100,000
II.G. Cardiovascular diseases
Other mortality causes
Cardiovascular diseases and total cholesterol are weakly correlated
Mean total cholesterol, men (mg/dl), 2005.
Source: BHF-HEARTSTATS
http://www.heartstats.org/documents/download.asp?nodeid=6797