

Health-Demography

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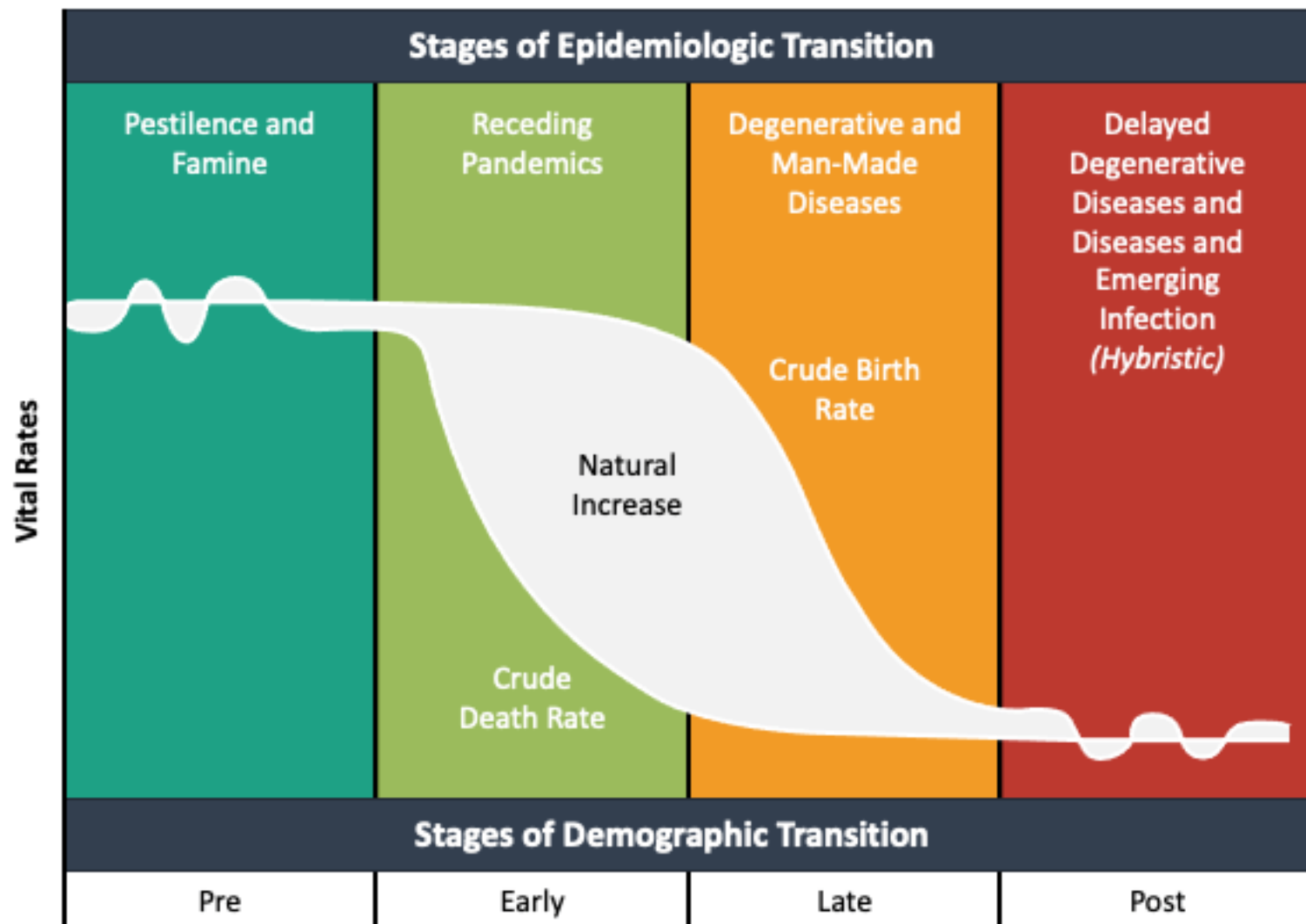
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EPIDEMIOLOGICAL TRANSITION

Omran(1971)

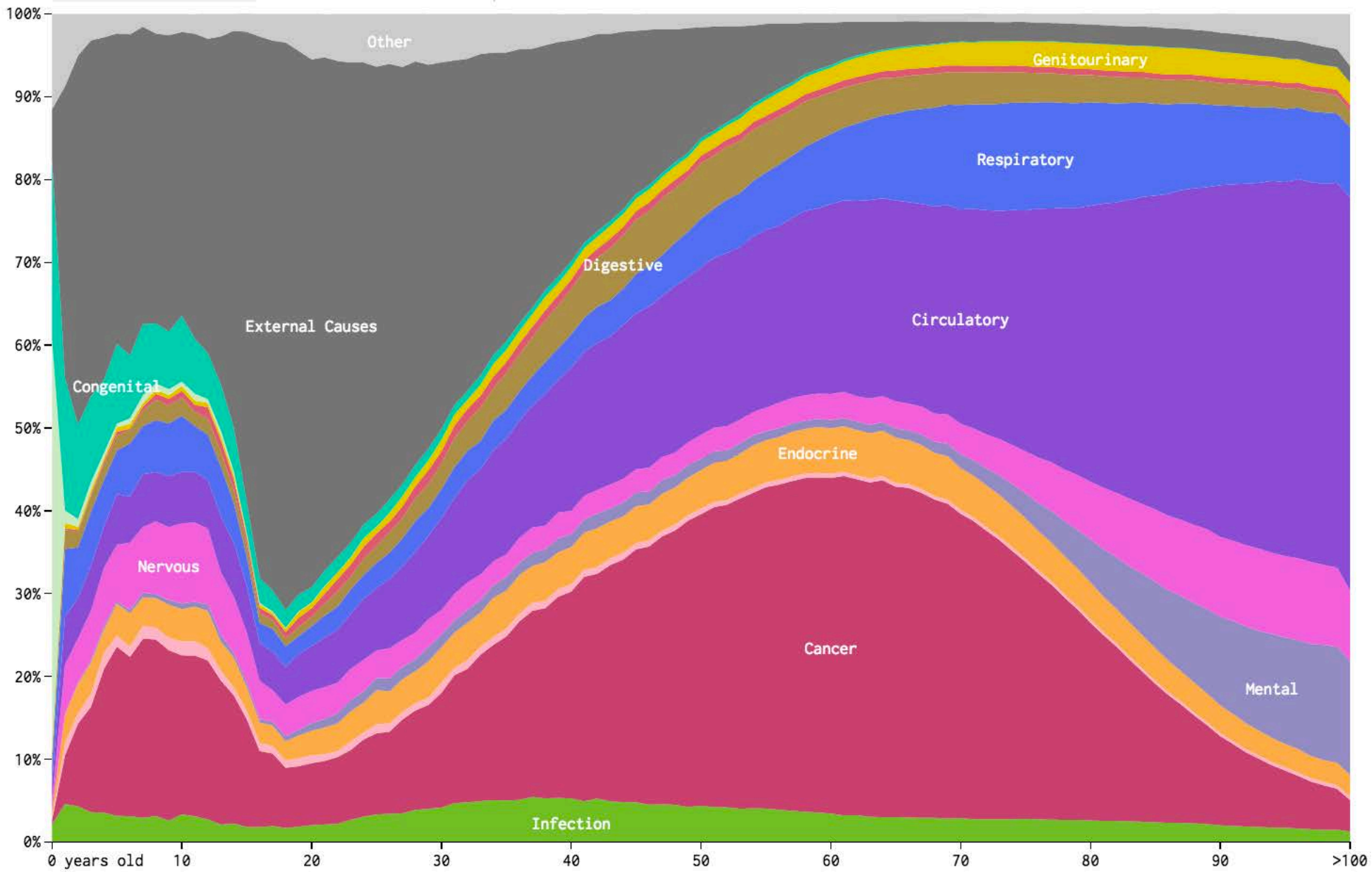
EPIDEMIOLOGICAL TRANSITION

Demographic Transition Framework



DRIVERS OF MORTALITY CHANGE

- Earlier in European countries driven by decreases in deaths due to infectious disease:
 - Medical advances – no significant impact until advent of antibiotics in the 20th century.
 - Pathogenic evolution – not sufficient to explain sustained decline in all diseases.
 - Standard of living – sanitation control well after onset of decline, largely driven by food supply and nutrition.
- Public health measures
- Medical advances – vaccines, immunisations
- Standard of living



RISK FACTORS

- Demographic
Age, sex
- Social factors
SES, marital status, family status.
- Life history
Places of residence, occupational history.
- Environment
Exposure to pollution, sources of chemical or radioactive contamination.
- Medical history
Presence of disease, exposure to disease, trauma and injury.
- Medical care
Access to doctors, medications, screening, health services, medical technology.

FRAMEWORKS

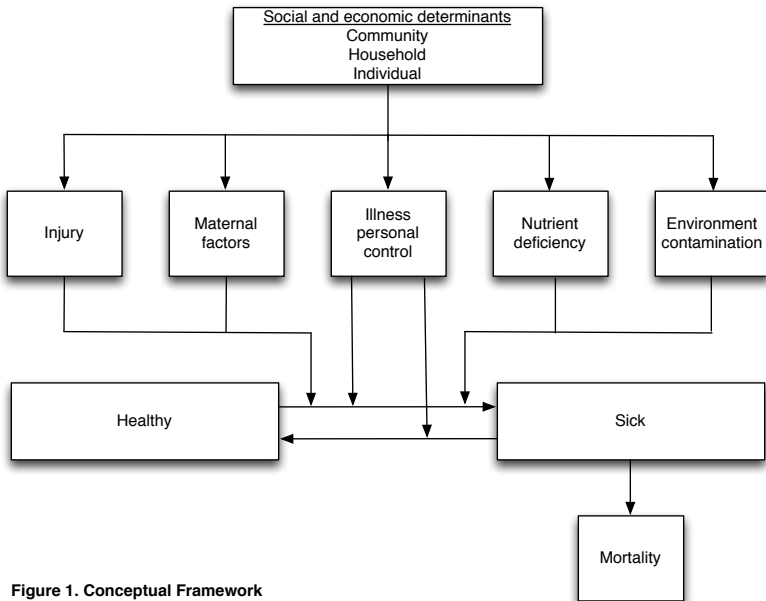
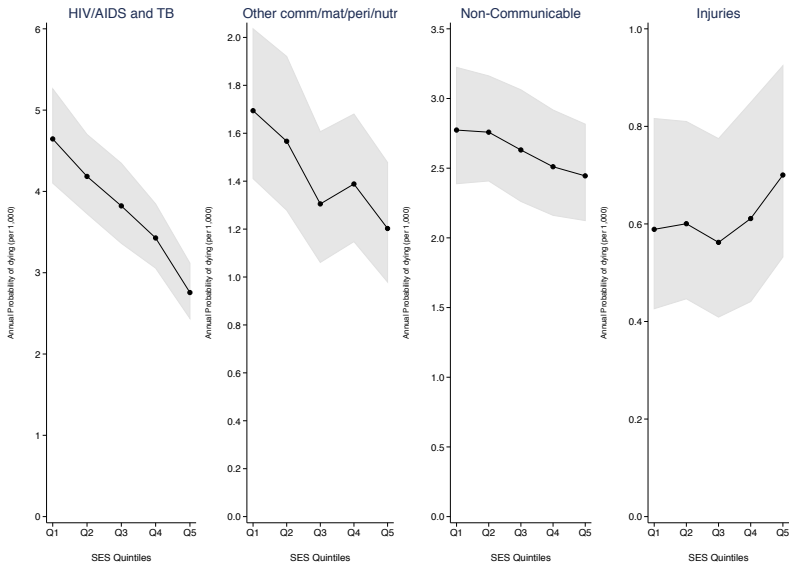
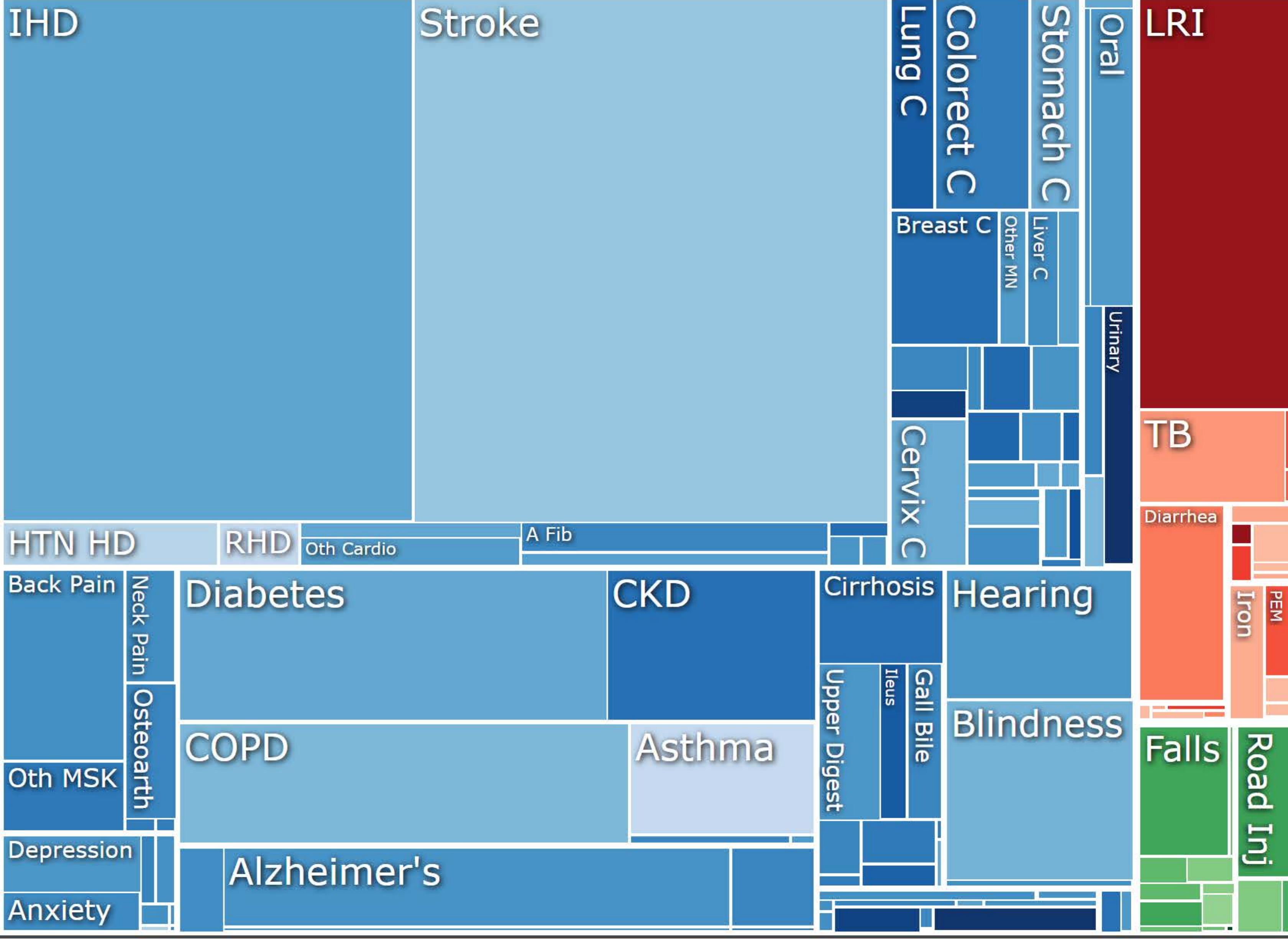


Figure 1. Conceptual Framework

Source: Mosley and Chen 1984

SOCIAL GRADIENT





EPIDEMIOLOGICAL TRANSITION

CONTINUED

Also variation in the pattern, pace, determinants, and consequences of the transition:

- 'Classic', with progressive mortality and fertility declines followed by socioeconomic development.
- 'Accelerated', starting later and more rapid due to socioeconomic advances but enhanced by developments in medical technologies.
- 'Delayed', where transition unfinished and largely driven by spread of medical/public health interventions.

CRITIQUES

- Linear, sequential relationship.
- Eras may overlap.
- Patterns may reverse ('counter' transition).
- Changes may not occur fully.
- Infectious and noncommunicable disease may coexist ('prolonged' transition).

Health transition is an ongoing concept . . .

Region

GLOBAL

Sex

Female

Male

Both

Life Expectancy Comparisons

WITHIN REGION

BETWEEN REGIONS

SEX-GAP

SDG

%

OFF

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