

The burden of disease in
Germany at national and
regional level - DALY from the
BURDEN 2020 study

Michael Porst + BURDEN 2020 study group

Standardized assessment of population health

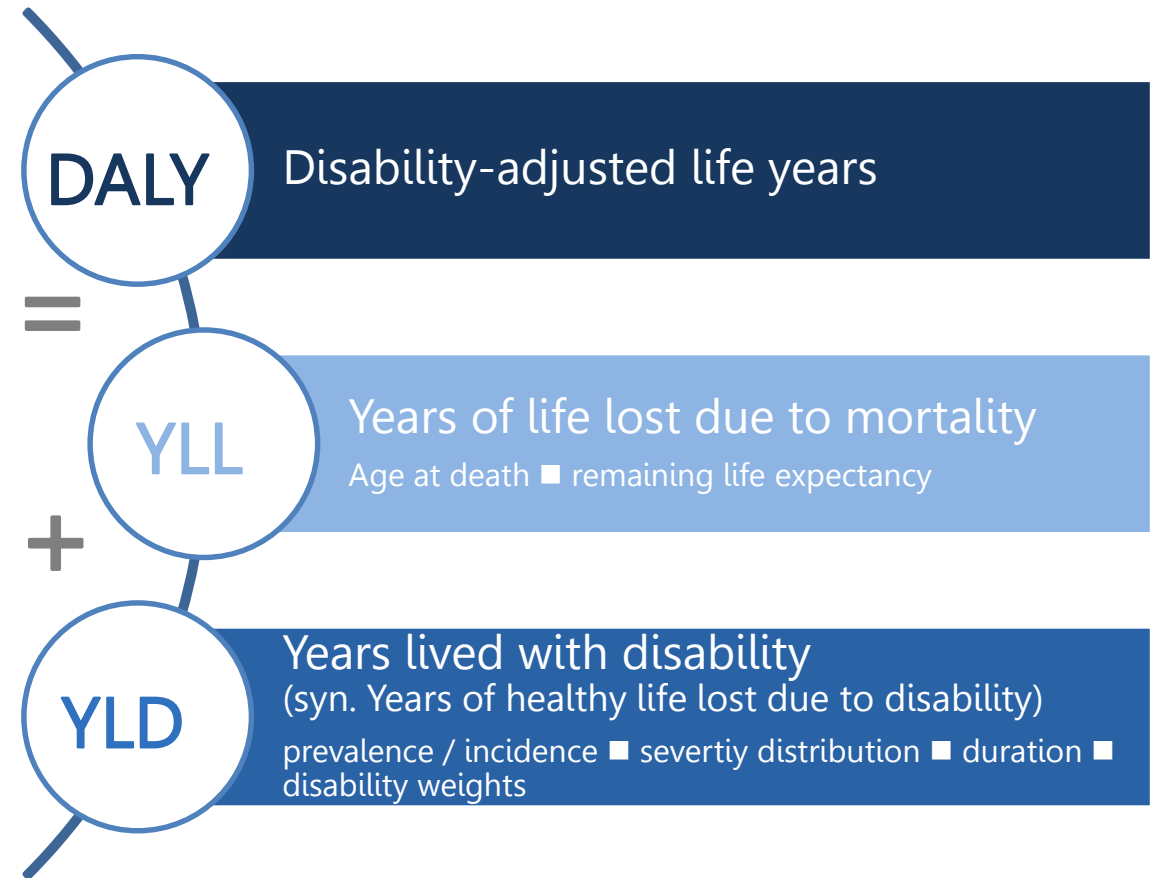
Problem: epidemiological measures like deaths, prevalence or incidence only capture certain areas of population health

✓ Need for a concept that enables a comparison of mortality and morbidity

Measuring burden of disease by using time (life years)

Project **BURDEN 2020***:
Piloting a national burden of disease study

* funded by the German Federal Joint Committee's Innovation Fund (Innovationsausschuss beim Gemeinsamen Bundesausschuss, GBA) (grant no.: 01VSF17007)



BURDEN 2020 project

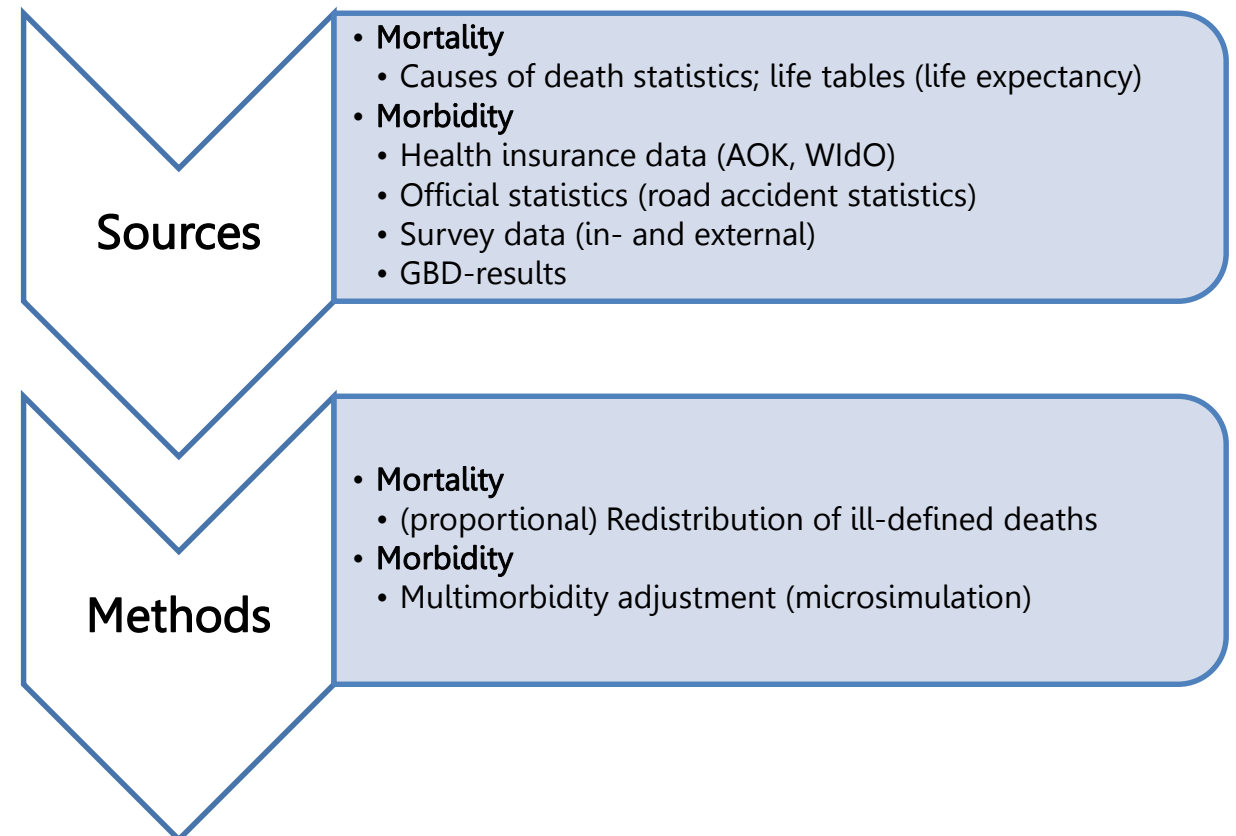
Selection of diseases (YLD, DALY)

Level 2 (group)	Ranking	Level 3 (selection)
Cardiovascular diseases	1	Ischemic Heart Disease
Musculoskeletal disorders	2	Low back pain
Neoplasms	3	Tracheal, bronchial and lung cancer
Cardiovascular diseases	4	Stroke
Chronic respiratory diseases	5	Chronic obstructive pulmonary disease
Neurological disorders	6	Alzheimer- and other dementias
Diabetes and chronic kidney disease	7	Diabetes mellitus
Neurological disorders	8	Headache disorders
Musculoskeletal disorders	9	Neck pain
Mental disorders	10	Depressive disorders
Neoplasms	11	Colon and rectum cancer
Mental disorders	12	Anxiety disorders
Neoplasms	13	Breast cancer
Substance use disorders	14	Alcohol use disorders
Transport injuries	15	Road injuries
Respiratory infections and tuberculosis	16	Lower respiratory infections
Neoplasms	17	Prostate cancer
Cardiovascular diseases	18	Hypertensive heart disease

11.11.2022

EUPHA - Berlin

Data sources and methods

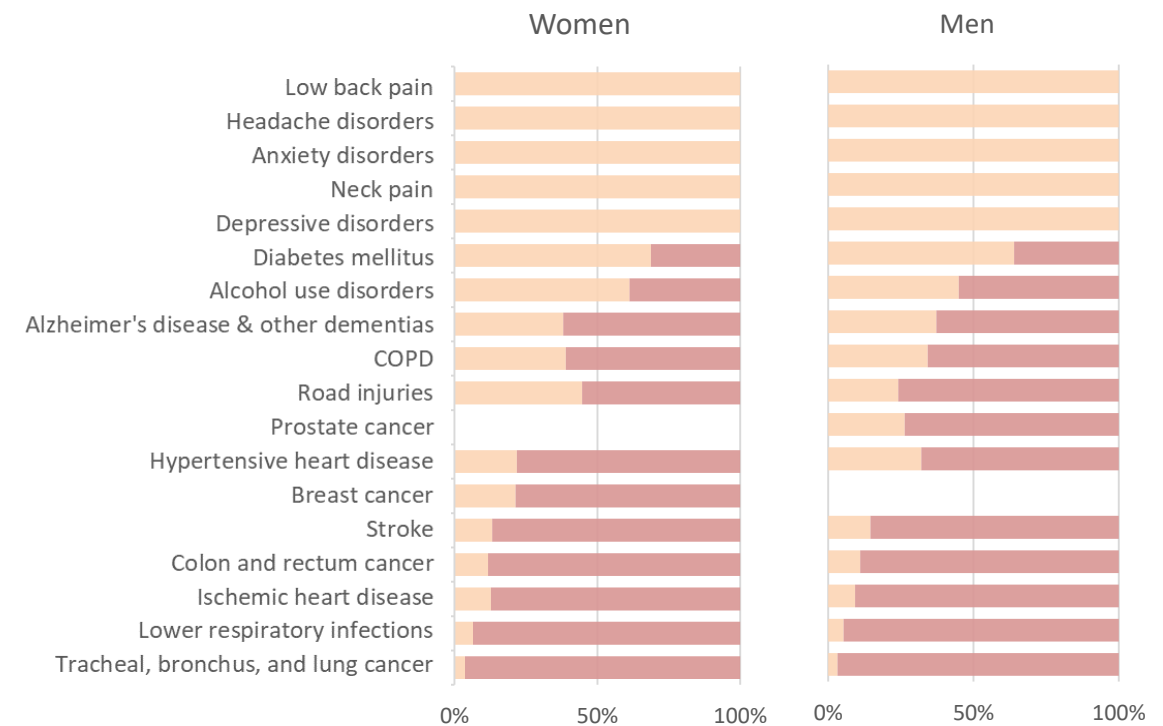
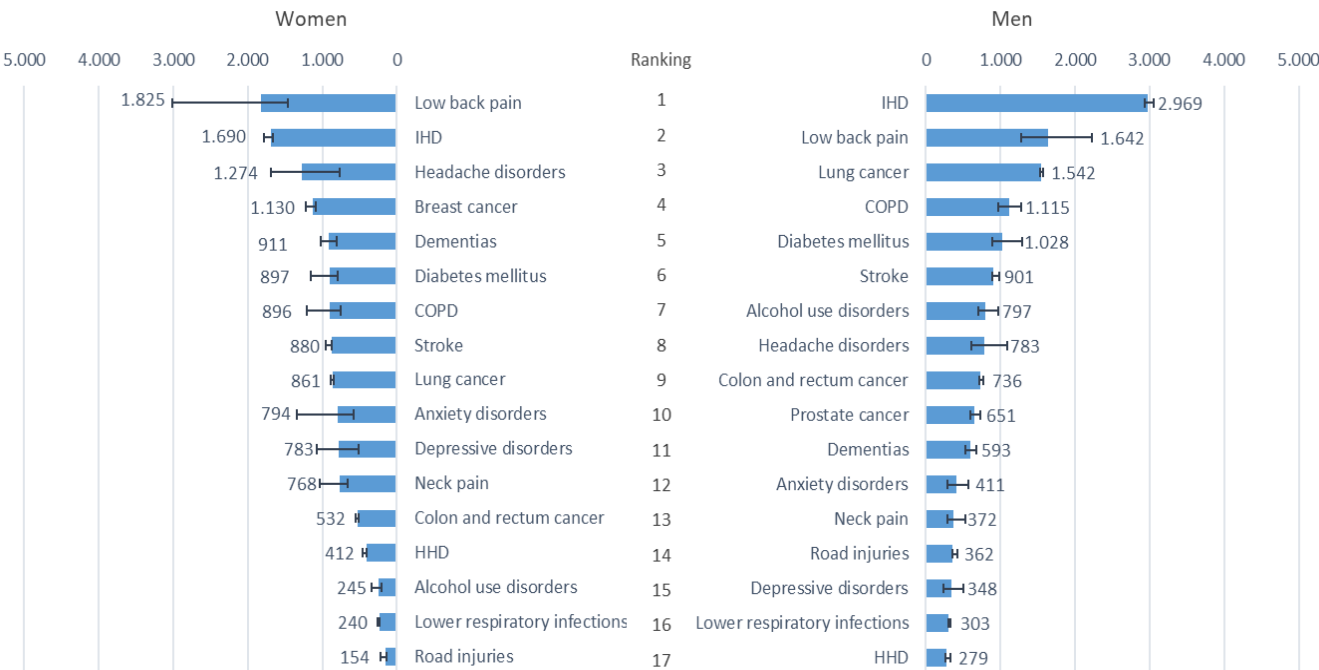


BURDEN indicators

Evaluating the burden of diseases

Ranking of DALY (rates) by sex

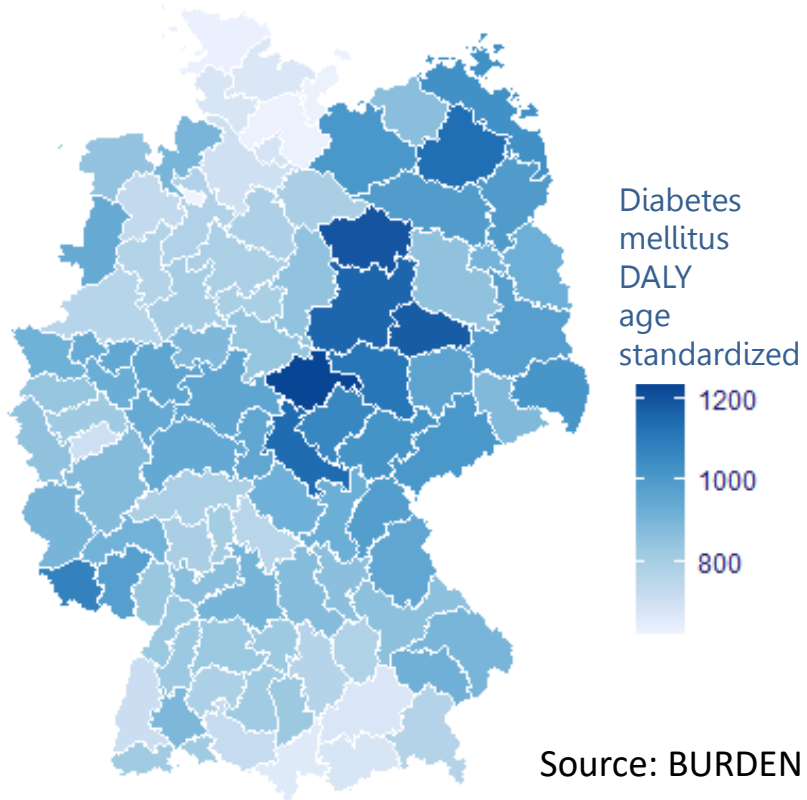
Share of YLD and YLL (absolute) by cause



■ YLD
 ■ YLL

 Source: BURDEN 2020

Burden of disease at 96 spatial planning regions



Source: BURDEN 2020

Open Data

Results at daly.rki.de

Inform policy

NCD surveillance

Health information system

- RKI Alexander Rommel, Elena von der Lippe, Annelene Wengler, Michael Porst, Janko Leddin, Aline Anton, Caoimhe Cawley & Thomas Ziese
- UBA Dietrich Plaß & Heike Gruhl
- WIdO Katrin Schüssel, Gabriela Brückner, Jan Breitkreuz & Helmut Schröder

