

# OVERVIEW OF BURDEN OF DISEASE STUDIES IN EUROPE

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# Background

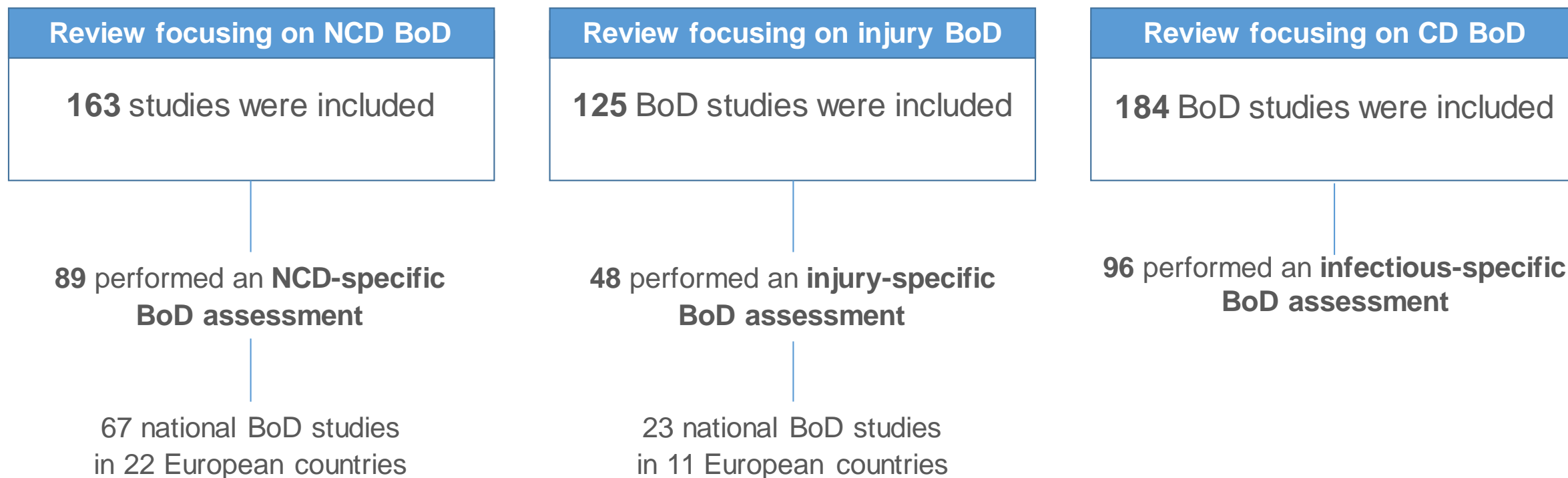
Burden EU research objective: To compare and harmonize methods and approaches for burden of disease assessment.

## Aim and objectives of the systematic literature reviews

- How many burden of disease assessments have been performed across Europe, and in which European countries?
- Which data sources have been used as input data for disease burden studies?
- Which methodological approaches have been made to measure mortality or morbidity due to different causes of illness or risk factor?

Multiple international databases, search engines, and platforms were searched, including grey literature.

More than 8,000 records have been screened.




**The same search strategy as the other searches + comparative risk assessment, or health impact assessment terms**

**Review focusing on BoD related to risk factors**

**111 BoD studies were included**

54 single country BoD studies  
in 21 European countries

# Burden of non-communicable disease studies in Europe: a systematic review of data sources and methodological choices

Periklis Charalampous , Vanessa Gorasso, Dietrich Plass, Sara M Pires, Elena von der Lippe, Alibek Mereke, Jane Idavain, Katarzyna Kissimova-Skarbek, Joana Nazaré Morgado, Che Henry Ngwa ...

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<https://doi.org/10.1093/eurpub/ckab218>

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## Special thanks

To more than 100 Burden EU COST Action  
CA18218 collaborators!!

# Burden EU – GBD papers

# Background

- The Global Burden of Disease (GBD) study data can be downloaded with the so-called GBD tools (e.g. GBD results tool)
- This provides the opportunity to write papers on GBD findings in special interest areas and/or regions.
- During the Burden EU meeting in Copenhagen in 2020 several people expressed their interest to be involved in one or more of these GBD papers.



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Global Burden of Disease (GBD)



# Examples of GBD-linked papers

- State of health in Europe – led by Joao Vasco Santos
- Ageing in Europe – led by Kim Moesgaard Iburg
- Burden of disease in Serbia – led by Milena Santric Milicevic
- Health inequality in Europe – led by Jose Penalvo
- Injury in Europe – led by Juanita Haagsma

Several of these papers have been either submitted to a journal or are waiting for feedback from GBD collaborators.

# DALY CALCULATION CHECKLIST

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# COST Action CA18218 Deliverable

- Development of **checklist** for burden of disease studies using the Disability-Adjusted Life Year metric.
  - Systematic literature reviews
  - Training school

# Checklist DALY: Work in progress

- **Aim and Scope** of the checklist
  - Increase consistency and transparency in reporting
  - aim at improved comparability of DALY estimates
- **Purpose** of the checklist
  - focusing on quality of DALY reporting
  - descriptive manner
- **Structure** of the checklist
  - different main sections (settings, data, DALY methods, uncertainty)
  - explanation of the sections and checklist items
  - checklist items references to pages/lines in the manuscript