

BUILDING COUNTRY-LEVEL CAPACITY TO ESTIMATE THE BURDEN OF COVID-19

3rd WG meeting
25th January 2022

Sara M. Pires
smpi@food.dtu.dk



↓
1st Working Group meeting

19 February 2020

↓
11 March 2020

COVID-10 declared as
a pandemic by WHO

European Burden of Disease Network

working groups

WG1 – NCDs and Injuries



[Read more ...](#)

WG2 – Infectious Diseases



[Read more ...](#)

WG3 – Risk Factors



[Read more ...](#)

WG4 – Methods



[Read more ...](#)

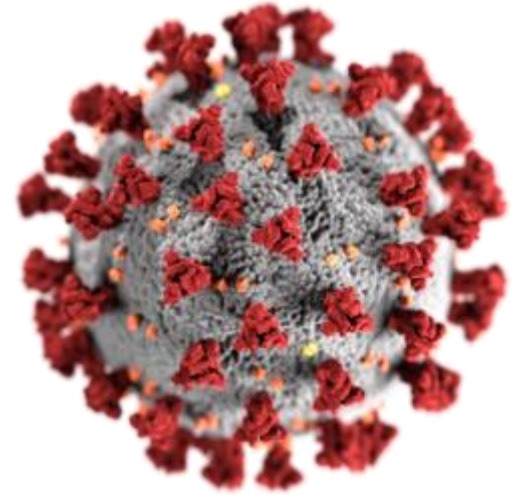
WG5 – Knowledge Translation



[Read more ...](#)

COVID-19

- Infectious disease by SARS-CoV-2
- Declared as a pandemic by WHO in March 2020
- High public health impact globally



COVID-19

- Perfect practical case to contribute to all aims of burden-eu
 - Research
 - Disease model, health outcomes
 - Data requirements
 - Computation
 - Building capacity
 - Burden of disease calculation
 - Knowledge translation





19 February 2020

31 March 2021
COVID-19 Task Force

11 March 2020
COVID-10 declared as
a pandemic by WHO

23 Oct 2020
Protocol to estimate
burden of COVID-10



Burden of COVID-19 Task Force

COST Action CA18218



[Home](#) [Action](#) [Network](#) [Activities](#) [Outputs](#) [News](#) [Search](#)

Burden of COVID-19 Task Force

The European Burden of Disease Network established the Burden of COVID-19 Task Force, as a sub-group of [WG2 Infectious Diseases](#). The TF welcomes members who are conducting or interested in launching national studies to estimate the burden of disease of COVID-19.

Its aims are to:

- Share experiences in national burden of COVID-19 studies
- Support each other with calculations, model assumptions, data gaps
- Harmonize methodologies and align strategies for communicating results
- Discuss research projects and upcoming evidence on long-COVID

The TF meets approximately every six weeks. We select a different topic for each meeting, and focus mostly on technical discussions. We also have the opportunity to arrange ad-hoc meetings and discussions as needed/requested by members of the TF, and to use the [burden-eu discussion forum](#).

You can find the minutes of our meetings on the [Google Drive](#).

If you are interested in joining, contact [Sara Pires](#).

Other resources on COVID-19 disease burden are available on [this page](#).

Burden of COVID-19 Task Force



- Provide guidance for data requirements, methodology and communicating results

Burden of COVID-19 Task Force

- **Open** to all network members conducting or interested in implementing national studies.
- Regular **group meetings**
- **Ad-hoc meetings** with countries
- Long-COVID meetings
- Online **discussion forum**
- **Several studies launched**
 - harmonized approaches
 - comparable estimates

BoD COVID-19 Studies

BoD-COVID Studies

Netherlands

Scotland

Germany

Malta

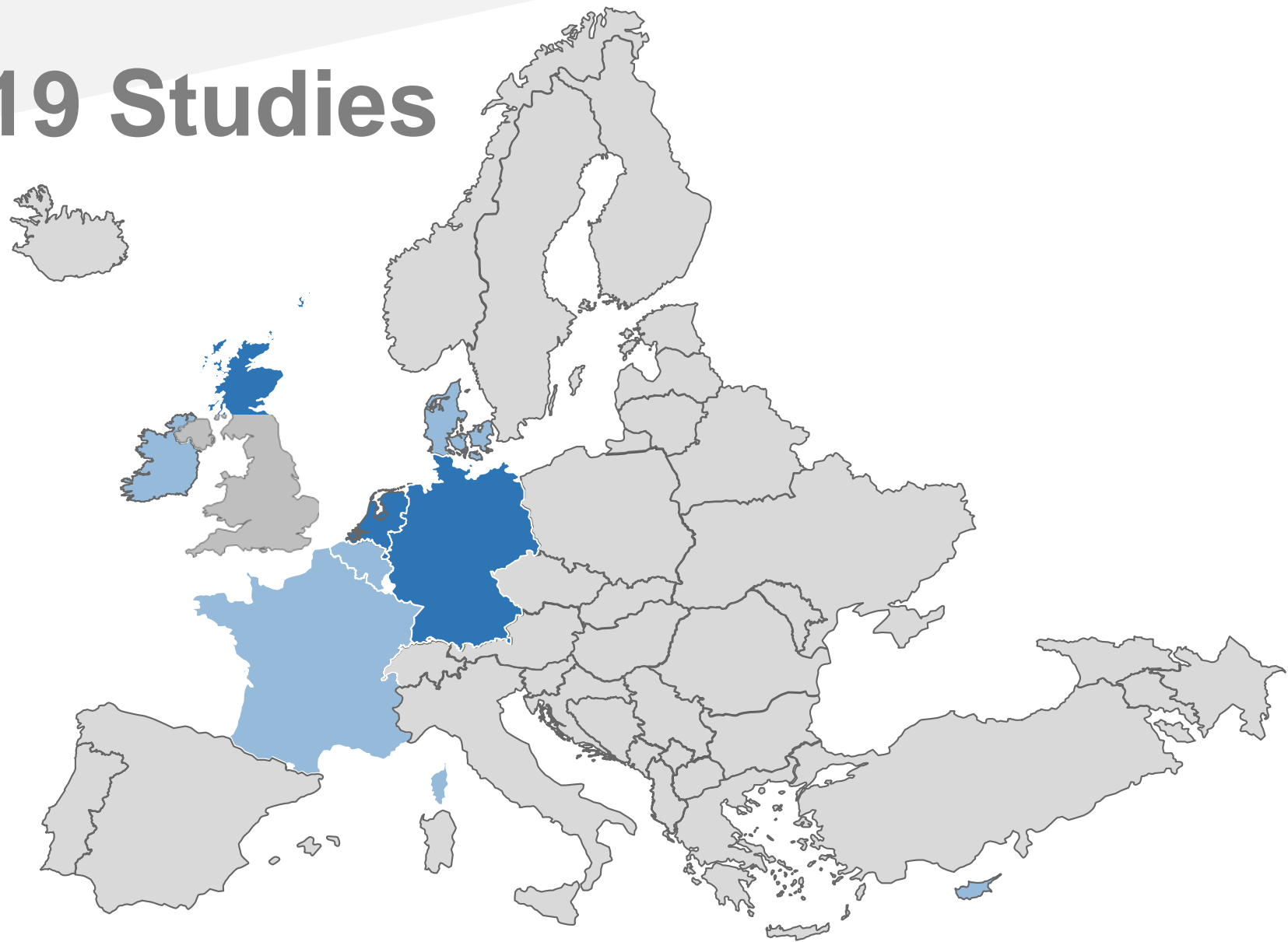
Ireland

Denmark

France

Belgium

Ireland



BoD COVID-19 Studies

Country and period of analysis	Estimation of total symptomatic infected	Life expectancy table	Mortality due to COVID-19	Long-COVID included	DALY/100,000	% YLD
Netherlands [2020]	Yes (evidence synthesis) ^a	GBD-2019	Statistics Netherlands registered (confirmed+suspected)	No	1570 (1540- 1600)	1%
Scotland [2020]	Yes (SEIR modelling)	GBD-2019	Death registry (confirmed only or confirmed+suspected)	Yes, limited	1770- 1980	2%
Germany [2020]	No (notified positives only)	Germany 2016/2018	notifiable cases of COVID-19	No	368	0.7%
Malta [7 Mar 2020-31 Mar 2021]	Yes (notified positives adjusted for underascertainment)	GBD-2019	Daily COVID-19 bulletins issued by Malta Ministry of Health	Yes, limited	1086 ^b	5%
Denmark [28 Feb 2020-28 Feb 2021]	Yes (based on survey of the population)	GBD-2019	Death registry	No	520	1.6%
Ireland [1 Mar 2020 – 28 Feb 2021]	Notified positives with estimation of asymptomatic cases	GBD-2019	Central Statistics Office, Ireland.	Yes, estimated	1033.4 (95%UI 1016.7, 1048.0)	1.3%

Burden of COVID-19 Task Force

- Public webinars, attended by over 100 participants
- Website collects and continuously posts all published articles related to the burden of COVID



[Webinar] Burden of disease assessment for COVID-19: initial insights and future perspectives

Friday 21 May 2021, 14h-15h CET

Read more:



[Webinar] Quantifying COVID-19 disease burden

Friday 20 November 2020, 11h-12h CET

Read more:

Burden of COVID-19 Task Force

What's next?

- Continue supporting country studies
- Expand analyses
 - Effect of vaccination programmes?
 - Burden of long-COVID-19?
 - International comparison

Burden of COVID-19 Task Force

- Join us: smpi@food.dtu.dk; info@burden-eu.net
- What to expect:
 - Share experiences in national burden of COVID-19 studies
 - Support with calculations, model assumptions, data gaps
 - Harmonize methodologies and align strategies for communicating results
 - Discuss research projects and upcoming evidence on long-COVID