Progress Report

Updates Project BoCO-19
WASP Project & further activities

BoCO-19 Project

The Burden of Disease due to COVID-19:
Towards a harmonization of population health metrics for the surveillance of dynamic outbreaks.

Specific objectives

- Adapt and refine the existing methodology for calculating the burden of disease due to COVID-19 in a cross-country analysis

- Review, clean and collate existing time differentiated COVID-19 morbidity and mortality data in each of the partner countries

- Support and capacity building for calculation (YLL, YLD, DALY) and communication of the Burden of COVID-19

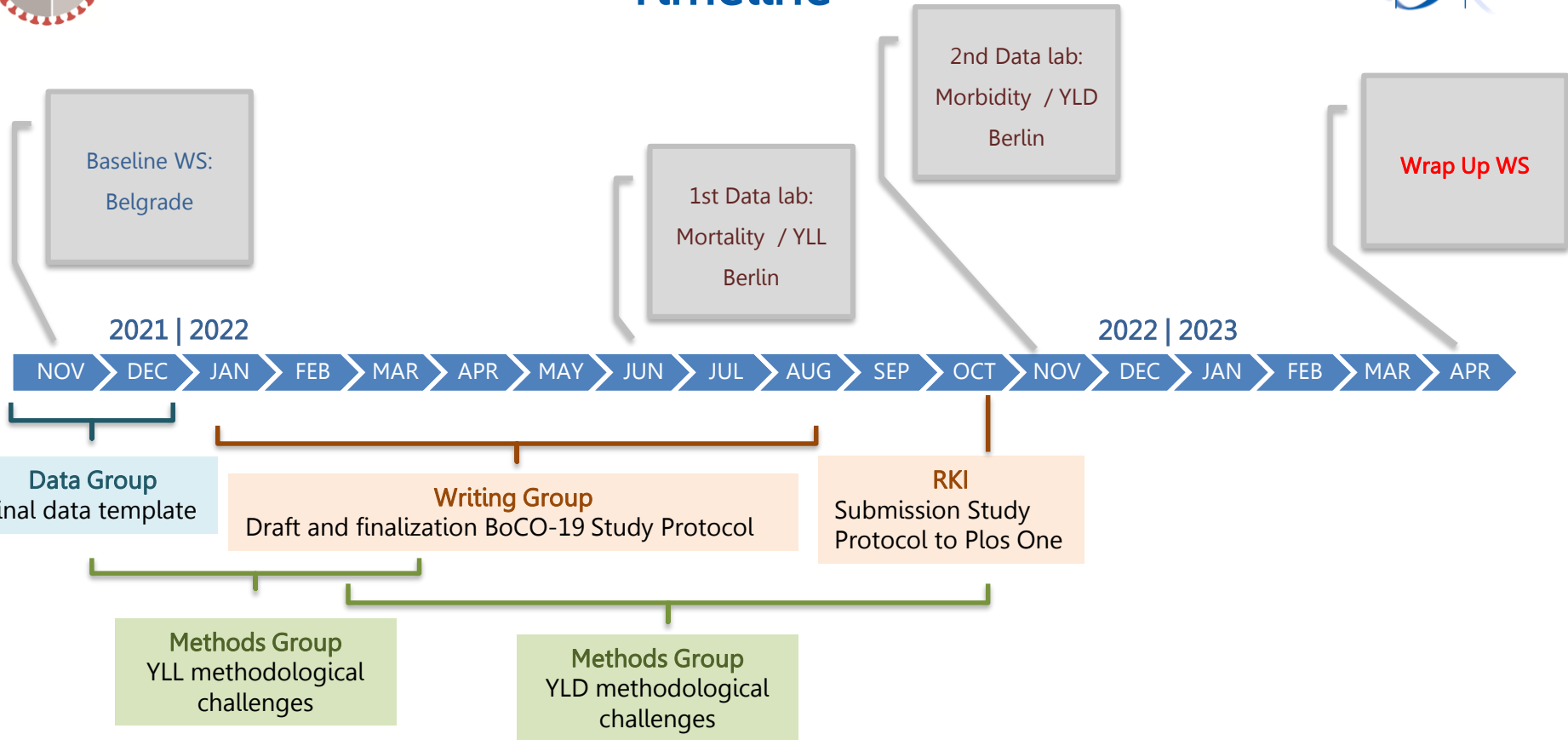- Dissemination of methodology and results

Network of international project partners

Coordinator – RKI Germany	
14 Partners	
South-East Europe	Southern Caucasus / Cental Asia
1. **Serbia** 2. Albania 3. Bosnia and Herzegovina (2 partners) 4. Kosovo 5. Montenegro 6. Turkey	1. **Kazakhstan** 2. Azerbaijan 3. Georgia 4. Kyrgyzstan 5. Mongolia 6. Ukraine 7. Uzbekistan

Timeline

Baseline WS:
Belgrade

1st Data lab:
Mortality / YLL
Berlin

2nd Data lab:
Morbidity / YLD
Berlin

Wrap Up WS

2021 | 2022

| NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR |

2022 | 2023

Data Group
Final data template

Writing Group
Draft and finalization BoCO-19 Study Protocol

RKI
Submission Study
Protocol to Plos One

Methods Group
YLL methodological
challenges

Methods Group
YLD methodological
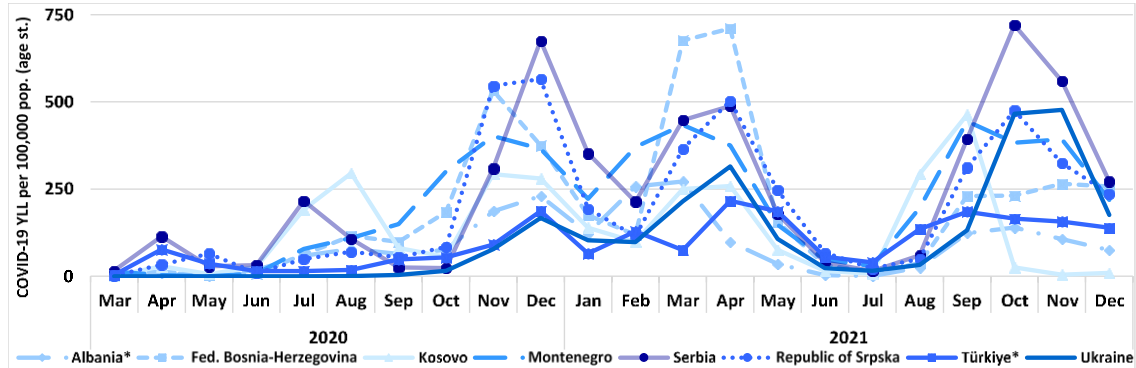challenges

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Planned Publications BoCO-19

- Study protocol on harmonized methodology that was applied within the project (delayed review process)

- YLL paper, mortality due to COVID 19 about to be finished, containing results from March 2020 – Dec 2021 from all partners

- YLD paper, morbidity incl. Long COVID, methodoligical issues to be finalized and under preparation, will contain results of most partners

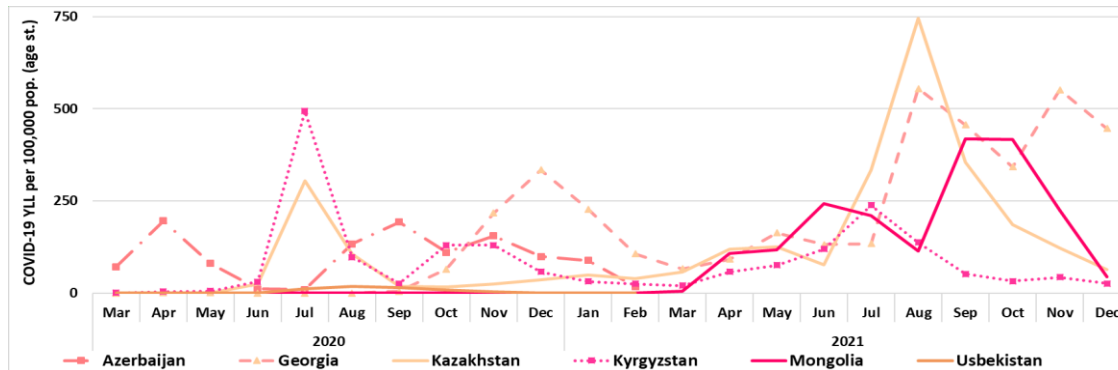- Integrate recommendations from BoCO-19 Wrap-up workshop into joint publication/statement

Results BoCO-19

Figure 1   COVID-19 YLL rates per 100,000 population age-standardized (World Standard Population) by month, March 2020 to December 2021

a) BoCO-19 countries in Southeastern Europe

b) BoCO-19 countries in Central Asia (including Azerbaijan and Georgia)

Source: own calculations

Wrap-up workshop - recommendations

Resources/
Building capacity

Preparedness
planning

Strategic level

Investment
in the public
health workforce

Preparing for
the next
public health
crisis

Operational level

Collection and
analysis of data
and evidence

Risk
communication
and community
engagement

Each one of these four areas represents a critical component of the response to a health threat

Source ECDC Technical report: https://www.ecdc.europa.eu/sites/default/files/documents/COVID-19-lessons-learned-may-2023.pdf

Wrap-up workshop – recommendations

Based on these lesson areas:

- Lesson area 1: Investment in the public health workforce.
- Lesson area 2: Preparing for the next public health crisis.
- Lesson area 3: Risk communication and community engagement.
- Lesson area 4: Collection and analysis of data and evidence.

We allocated oor findings from a world café to the same areas.

Main lessons identified	Follow-up actions

Wrap-up workshop - recommendations

Lesson Area 1: Investment in the public health workforce
Lesson Area 2: Preparing for the next public health crisis
Lesson Area 3: Risk communication and community engagement
Lesson Area 4: Collection and analysis of data and evidence

ICD code practical implication (transfer to registers)
ASAP tracking of cases
Standardization of definition of COVID-19-death
Knowledge to avoid misunderstanding of dying with and of COVID-19
Apply right ICD-codes
Official indicator like YLL for all countries

This list will be shortened and divided into general recommendations and those specific for monitoring and burden of disease indicators.

New WASP GHPP project

Strengthen public health core capacities in the Western Balkan region

➢ **WP1** Epidemiological crisis management/preparedness and response

➢ **WP2** Clinical management and antimicrobial resistance prevention and control

➢ **WP3** Strengthening of molecular diagnostics and sequencing capacities

➢ **WP4** Use of population health metrics for improved surveillance and outbreak

control ⇨ focus can be much broader than infectious diseases

New WASP GHPP project

➤ What can be learned from the pandemic for the surveillance/monitoring of other crises/emergencies?

➤ How can we build statistical systems that are crisis responsive?

➤ Are information systems prepared to monitor the impact of dynamic crises on population health?

➤ Which indicators need to be collected and reported, and how frequently and continuously?

Ongoing and planned activities

➢ New applications to provide a concept to calculate burden of climate change

➢ New application on health inequalities regarding the burden of COVID-19 on a regional level

➢ Update von German data Burden of COVID-19 (till end of 2022)

➢ Ongoing initial project with Central Asian partners for Burden of Cancer/Diabetes/Hepatitis/Tuberculosis (CATINCA)

➢ Working on redistribution of non-informative/garbage codes in mortality statistics

Благодарю́!
teşekkürler!
Рахмет!
faleminderit!
გმადლობ!
Дякую!
rahmat!
Hvala!
Баярлалаа!