

Using the DSpace-based Repository PsychArchives for Publishing Data and Results from the COVID-19 Snapshot Monitoring (COSMO) Project

Repositories During the COVID-19 Pandemic

Christiane Baier, Lea Gerhards, Peter Weiland

{ceb,leg,pw}@leibniz-psychology.org

Leibniz-Institute for Psychology Information (ZPID)

<https://www.leibniz-psychology.org>

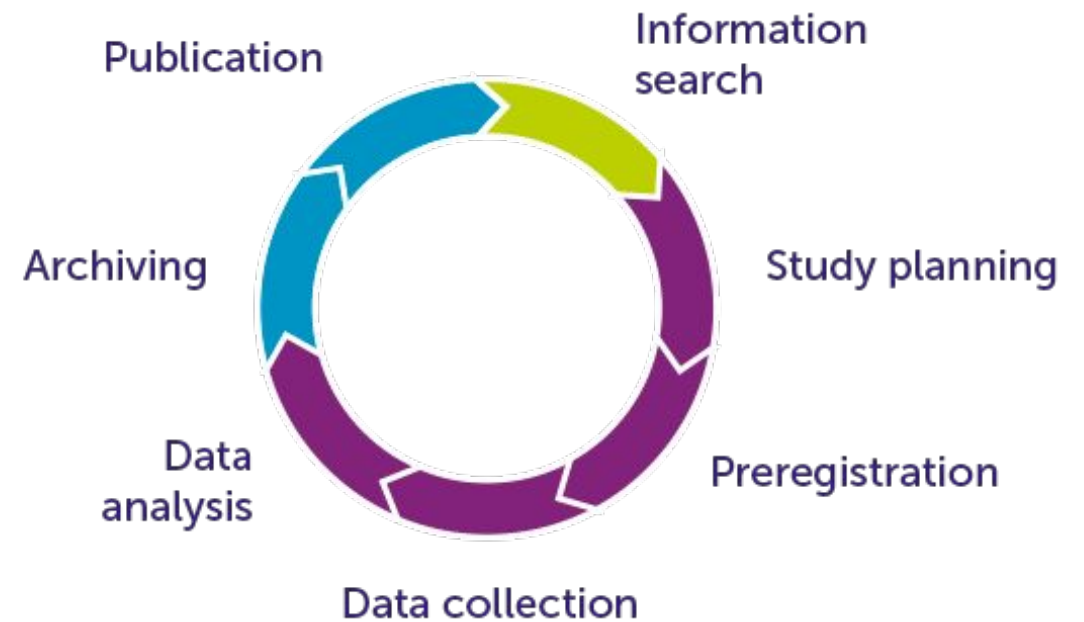


Overview

- About leibniz-psychology.org (ZPID)
- About the COSMO - Covid-19 Snapshot Monitoring project
- COSMO in PsychArchives - Implementation with DSpace
- Data Sharing in the COSMO project
- Summary

leibniz-psychology.org (ZPID)

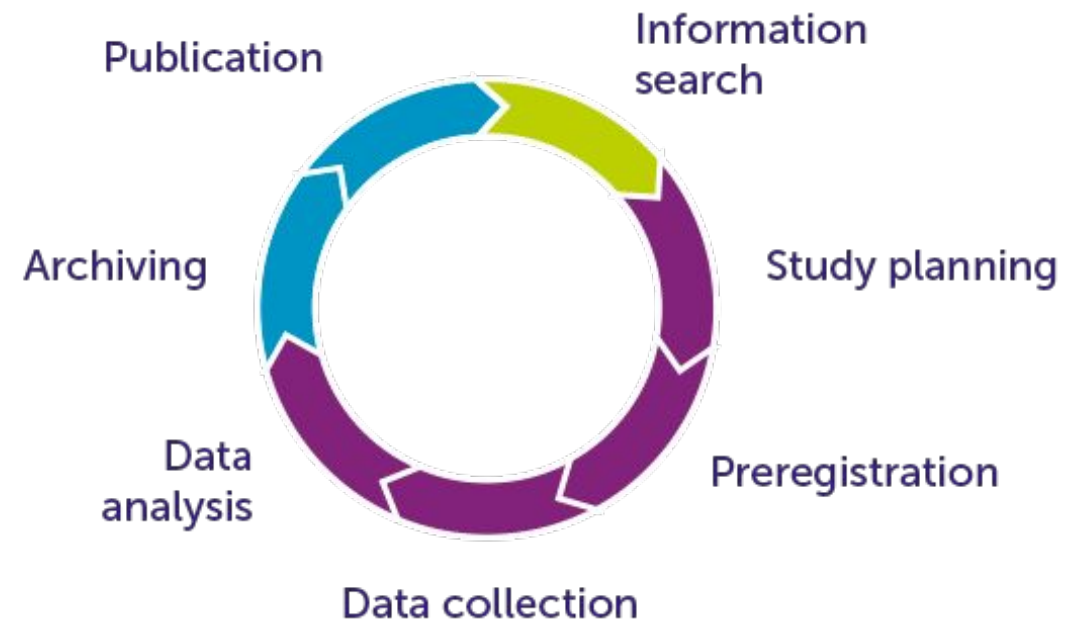
- ... is a Public Open Science Institute for Psychology and related disciplines
- ... is in the process of strategic expansion towards becoming a one-stop research support organization (i.e., research infrastructure), providing services for the entire research cycle



leibniz-psychology.org (ZPID)

Supporting the (scientific) community in psychology (and beyond) to make research

- accessible
- transparent
- reproducible,
- and replicable.



PsychArchives

- disciplinary repository for psychological science maintained by ZPID (Leibniz Institute for Psychology Information)
- online since December 2018
- DSpace 6.3 with jspui
- assigns DOIs

<https://www.psycharchives.org>



COSMO - Covid-19 Snapshot Monitoring

COVID-19 Snapshot Monitoring (COSMO)
Ergebnisse aus dem wiederholten querschnittlichen Monitoring von Wissen, Risikowahrnehmung, Schutzverhalten und Vertrauen während des aktuellen COVID-19 Ausbruchsgeschehens
Stand: 27.04.2020 (Version 08-02)

In dieser Welle sind zusätzlich dabei: Deutsches Evaluierungsinstitut der Entwicklungszusammenarbeit gGmbH, Leibnizinstitut für Resilienzforschung, Universitätsklinikum Hamburg-Eppendorf (Institut für Gesundheitsökonomie und Versorgungsforschung).

Ziel
Ziel dieses Projektes ist es, wiederholt einen Einblick zu erhalten, wie die Bevölkerung die Corona-Pandemie wahrnimmt: wie sich die "psychologische Lage" abzeichnet. Dies soll es erleichtern, Kommunikationsmaßnahmen und die Berichterstattung so auszurichten, um der Bevölkerung korrektes, hilfreiches Wissen anzubieten und Falschinformationen und Aktionismus vorzubeugen. So soll z.B. auch versucht werden, medial stark diskutiertes Verhalten einzuordnen, wie z.B. die Diskriminierung von Personen, die augenscheinlich aus stark betroffenen Ländern wie China oder Italien kommen, oder sogenannte Hamsterkäufe. Wir wollen ergründen, wie häufig solches Verhalten tatsächlich vorkommt und welche Faktoren dieses Verhalten möglicherweise erklären können.

Diese Seite soll damit Behörden, Medienvertretern, aber auch der Bevölkerung dazu dienen, die psychologischen Herausforderungen der COVID-19 Epidemie einschätzen zu können und im besten Falle zu bewältigen.

Alle Daten und Schlussfolgerungen sind als vorläufig zu betrachten und unterliegen ständiger Veränderung. Ein Review Team von wissenschaftlichen Kolleg/innen sichert zudem die Qualität der Daten und Schlussfolgerungen. Trotz größter wissenschaftlicher Sorgfalt und dem Mehr-Augen-Prinzip haften die beteiligten Wissenschaftler/innen nicht für die Inhalte.

Informationen zu COVID-19 und dem Ausbruchsgeschehen
Wichtig: Hier finden Sie KEINE Informationen zu COVID-19 und dem eigentlichen Ausbruchsgeschehen. Wenn Sie das suchen, klicken Sie bitte hier:

- Robert Koch-Institut: https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/nCoV_node.html
- Bundeszentrale für gesundheitliche Aufklärung: <https://www.infektionsschutz.de/coronavirus-sars-cov-2.html>
- Science Media Center: <https://www.sciencemediacenter.de/alle-angebote/coronavirus/>

Gegenstand dieser Informationsseite ist die jeweils zuletzt durchgeführte Erhebung. Die wöchentlichen

Project Goals:

Monitoring public perceptions of risk, behaviours, and public trust

Project Partners:



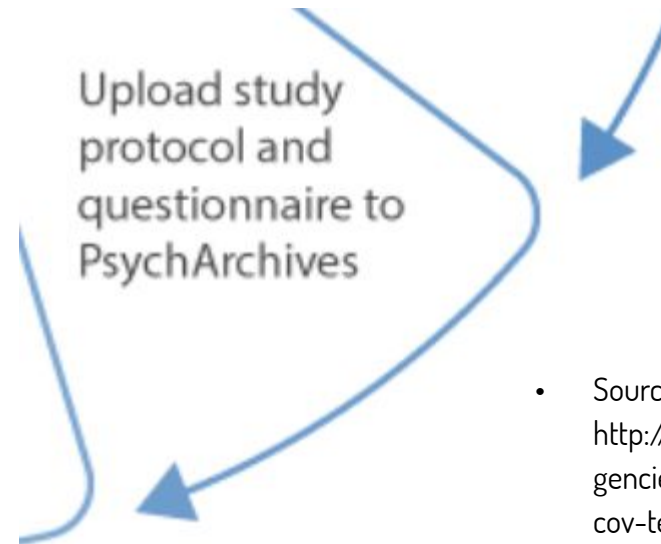
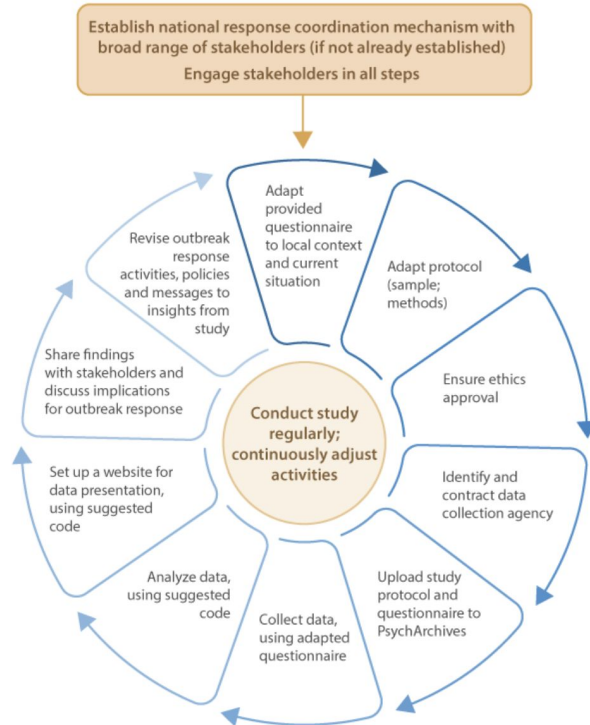
COSMO - Covid-19 Snapshot Monitoring

- PsychArchives is part of the official guidelines for the WHO tool for behavioural insights on Covid-19

Coronavirus disease (COVID-19) outbreak

- News
- Latest updates
- About the virus
- Technical guidance**
- Country information
- Health System Response Monitor
- Weekly surveillance report
- Training courses
- Statements
- Multimedia
- Media contacts

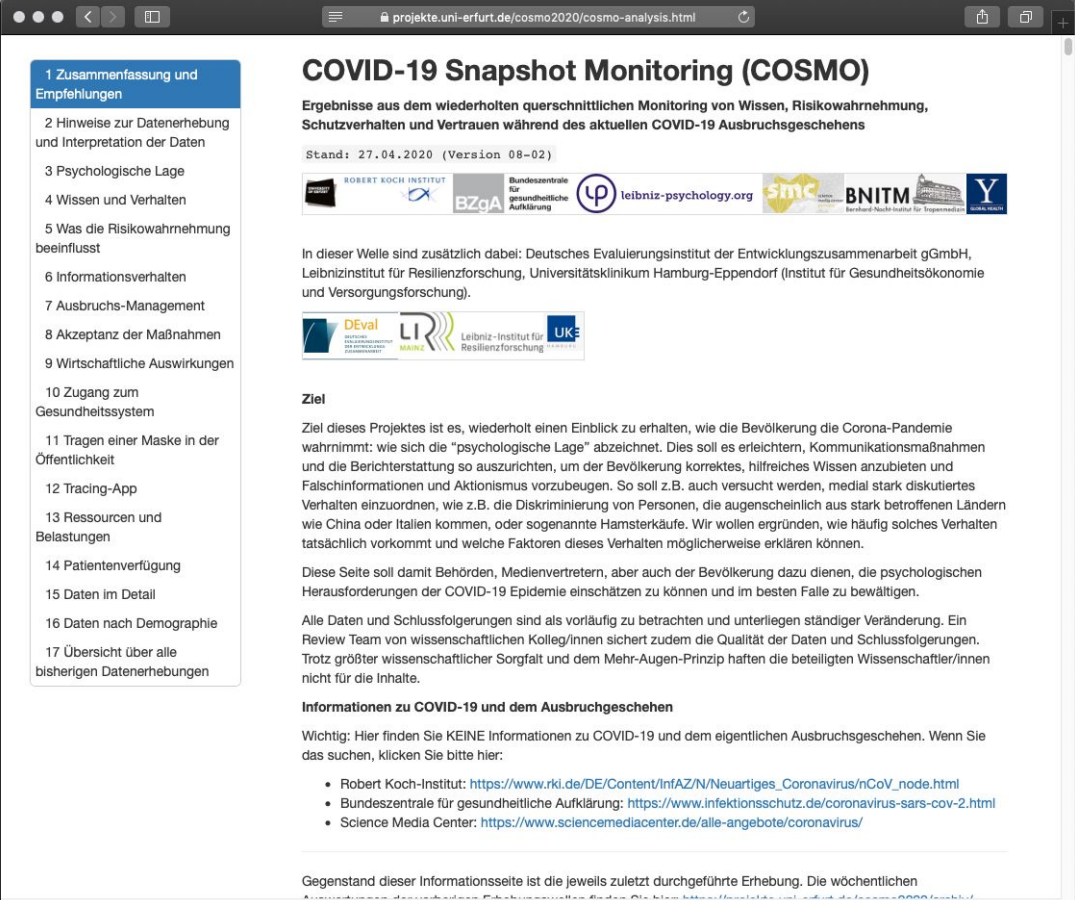
WHO tool for behavioural insights on COVID-19



- Source:
<http://www.euro.who.int/en/health-topics/health-emergencies/coronavirus-covid-19/novel-coronavirus-2019-n-cov-technical-guidance/who-tool-for-behavioural-insights-on-covid-19>

COSMO - Covid-19 Snapshot Monitoring

- through population surveys, the project explores people's perceptions, acceptance of restrictions, mental and physical health, behaviours, information needs, misperceptions and more
- data is collected weekly via online panels, so that changes in risk perceptions or knowledge/misinformation can be identified as they emerge
- national pandemic response groups can use the findings to inform pandemic response measures, such as interventions, policies and messages
- results can also be made available to the media to support high quality and responsible reporting
- COSMO invites any country interested to use their questionnaire to collect data among its respective population



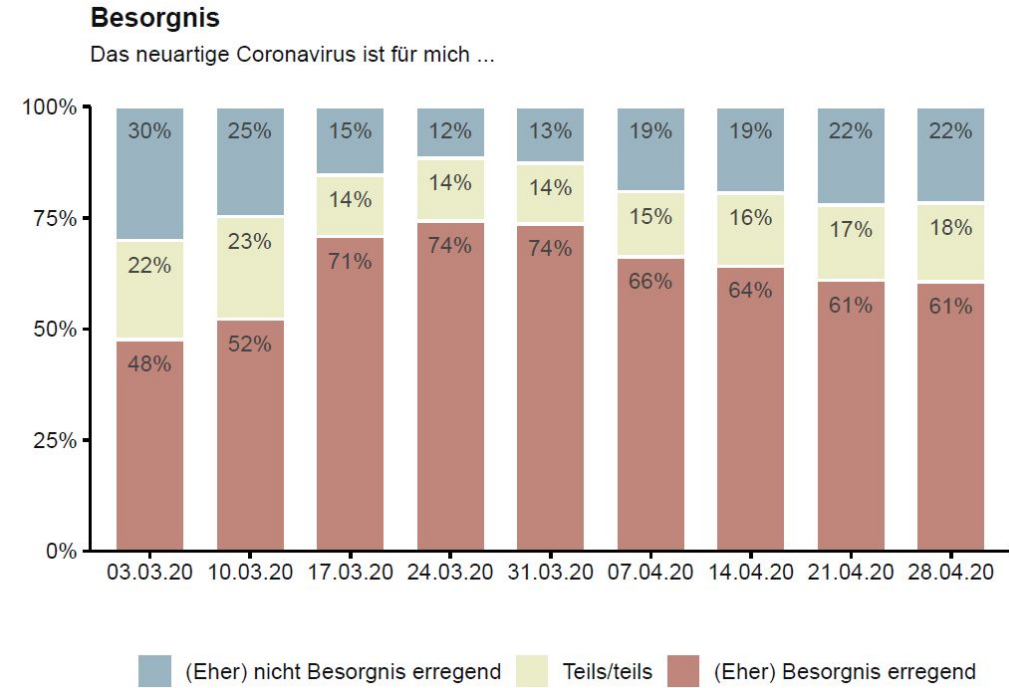
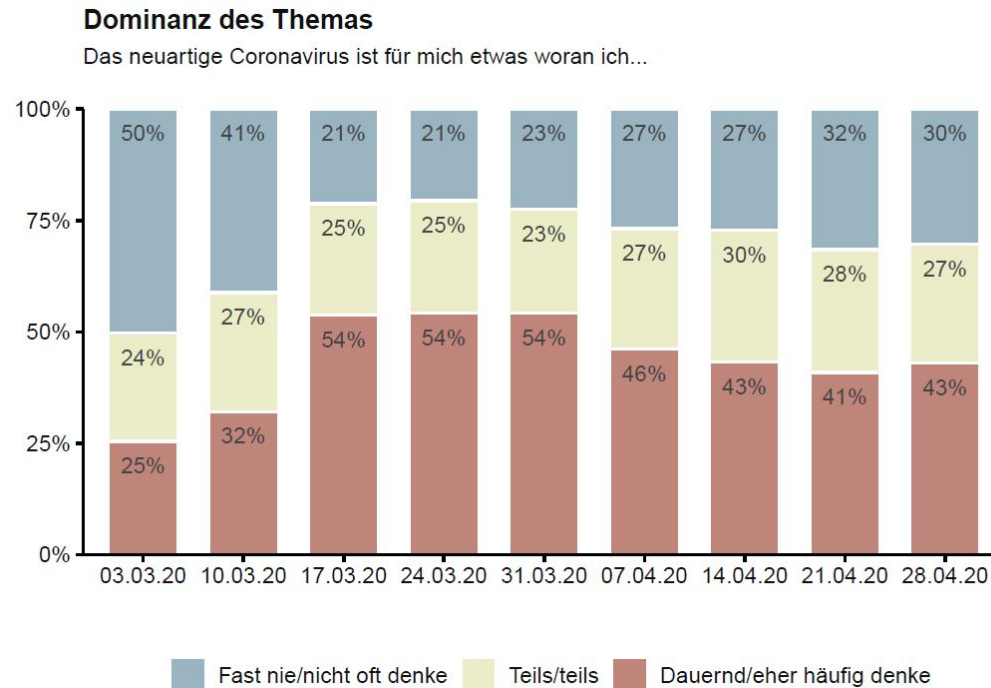
The screenshot shows a web browser window displaying the COSMO website. The browser address bar shows the URL: projekte.uni-erfurt.de/cosmo2020/cosmo-analysis.html. The page title is "COVID-19 Snapshot Monitoring (COSMO)". Below the title, it states: "Ergebnisse aus dem wiederholten querschnittlichen Monitoring von Wissen, Risikowahrnehmung, Schutzverhalten und Vertrauen während des aktuellen COVID-19 Ausbruchsgeschehens". The status is "Stand: 27.04.2020 (Version 08-02)". There are logos for the Robert Koch Institut, Bundeszentrale für gesundheitliche Aufklärung, Leibniz-Universität Halle, and others. The main content area includes a "Ziel" section explaining the project's goal to provide insight into the population's psychological state and to support public health measures. It also includes a section for "Informationen zu COVID-19 und dem Ausbruchsgeschehen" with links to the Robert Koch-Institut, Bundeszentrale für gesundheitliche Aufklärung, and Science Media Center. A sidebar on the left contains a table of contents with 17 items, including "1 Zusammenfassung und Empfehlungen", "2 Hinweise zur Datenerhebung und Interpretation der Daten", "3 Psychologische Lage", "4 Wissen und Verhalten", "5 Was die Risikowahrnehmung beeinflusst", "6 Informationsverhalten", "7 Ausbruchs-Management", "8 Akzeptanz der Maßnahmen", "9 Wirtschaftliche Auswirkungen", "10 Zugang zum Gesundheitssystem", "11 Tragen einer Maske in der Öffentlichkeit", "12 Tracing-App", "13 Ressourcen und Belastungen", "14 Patientenverfügung", "15 Daten im Detail", "16 Daten nach Demographie", and "17 Übersicht über alle bisherigen Datenerhebungen".

DISCLAIMER



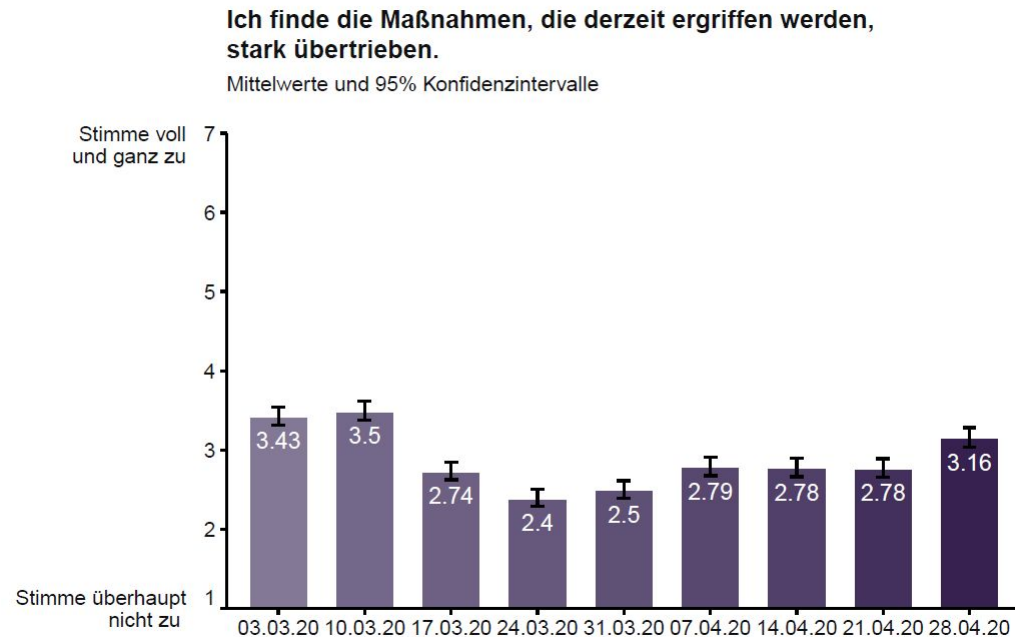
COSMO - Results (Examples)

Shifts in people's emotional reactions to Covid-19 over time: decrease in mental preoccupation with and worrying about the virus



COSMO - Results (Examples)

Meanwhile, the number of people who think that the preventative measures are vastly exaggerated has been on the increase.



COSMO researchers' recommendation:

- necessary to react to this change of mood
- public should be reminded of the reasons for the measures: to protect others and to maintain the freedoms that we have achieved so far
- the successes achieved by the measures should be further emphasized

Source: Betsch, C., Korn, L., Felgendreff, L., Eitze, S., Schmid, P., Sprengholz, P., Wieler, L., Schmich, P., Stollorz, V., Ramharter, M., Bosnjak, M., Omer, S. B., Thaiss, H., De Bock, F., Von Rügen, U., Crockett, M., Krauth, C., Brockmann, D., & Schlosser, F. (2020). German COVID-19 Snapshot Monitoring (COSMO) - Welle 9 (28.04.2020). PsychArchives. <https://doi.org/10.23668/PSYCHARCHIVES.2890>

COSMO in PsychArchives

- PsychArchives collects and distributes COSMO materials:
 - WHO standard protocol with the questionnaire, protocol template and a guidance document
 - study protocols of the national projects
 - preprints describing study results
 - code (data analysis template)
 - *research data obtained through the repository (coming soon)*

Disciplinary Repository for Psychological Science

PsychArchives is a disciplinary repository preserving a variety of digital research objects (DROs), with 21 different publication types (preprints, primary, and secondary publications), research data, tests, preregistrations, multimedia and code. We provide easy and free access to DROs according to the FAIR principles, which implies the commitment to ensure that research and research data are findable, accessible, interoperable, and reusable.

Please find all content regarding [COVID-19 Snapshot Monitoring \(COSMO Standard\)](#) in a special collection.

Start a new search

Search

Highlighted Submissions

[COVID-19 Snapshot Monitoring \(COSMO Standard\):](#) 2020-03-17 studyProtocol
Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak - WHO standard protocol (WHO Regional Office for Europe)

Recent Submissions

[German COVID-19 Snapshot Monitoring \(COSMO\) - Welle 8 \(21.04.2020\)](#) (Betsch et al.) 2020-04-27 preprint

[Materialien zu: Save your artist! Der Einfluss moralischer Appelle von](#) 2020 supplement

PsychArchives in a nutshell

Shared Digital Research Objects (DRO)

- research outputs from the entire cycle of psychological research are welcome.

Citable and discoverable

- uploads are assigned a Digital Object Identifier (DOI) to make them easily and uniquely citable.

Open licensing

- fostering re-use and open science.

Safe

- your research output is stored safely for the future at a sustainable, publicly funded infrastructure.

Start page with static link to COSMO community page

and

static "Highlighted Submissions" box

COSMO in PsychArchives

leibniz-psychology.org

PsychArchives

Home Contribute Browse

PsychArchives / Content

COVID-19 Snapshot Monitoring (COSMO)

In a crisis such as the 2020 outbreak of the newly emerged coronavirus, it is of utmost importance to monitor public perceptions of risk, protective and preparedness behaviours, public trust, as well as knowledge and misinformation to enable government spokespeople, the media, and health organisations to implement adequate responses. The purpose of this standard protocol for national serial cross-sectional studies is to allow rapid and adaptive monitoring of these variables over time and to assess the relations between risk perceptions, knowledge and misinformation to preparedness and protective behaviour regarding COVID-19 in each country implementing this study.

WHO Europe's Insights Unit and Health Emergency for implementation. We urge all users of the tool to share. This way, we can prevent that two institutes use the same type of study.

Please contact: Katrine Bach Habersaat (k.bach@psychologie.uni-wuerzburg.de)

Publication of the study protocol

Please use the WHO standard protocol for implementation. We urge all users of the tool to share. This way, we can prevent that two institutes use the same type of study.

It is suggested that each user of the tool adds their study as referenced documents. This way they are connected to the WHO standard protocol and over time an overview is provided on country studies.

To submit the protocol, please send the protocol via email to psycharchives@leibniz-psychologie.uni-wuerzburg.de and request addition by using the following subject header text: "COSMO National Protocol (Country Name)".

Please fill out the following metadata form and attach it to the e-mail requesting addition (along with the PDF protocol to be published): https://www.psycharchives.org/statistics/submission_forms/studyProtocol.xlsx

The metadata form for the national protocols are recommended to carry the following title information: "Add the country name instead of COUNTRY X: COVID-19 Snapshot Monitoring (COSMO COUNTRY X): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in COUNTRY X".

Feel free to add further materials to be attached to your PsychArchives entry, such as data, questionnaires, and other digital research objects as outlined here: <https://www.psycharchives.org/contribute>

Collections

- Argentina COVID-19 Snapshot Monitoring (COSMO Argentina)
- Canada COVID-19 Snapshot Monitoring (COSMO Canada)
- Denmark COVID-19 Snapshot Monitoring (COSMO Denmark)
- Ethiopia COVID-19 Snapshot Monitoring (COSMO Ethiopia)
- German COVID-19 Snapshot Monitoring (COSMO Germany)
- Israel COVID-19 Snapshot Monitoring (COSMO Israel)
- Saudi Arabia COVID-19 Snapshot Monitoring (COSMO Saudi Arabia)

Community for COSMO project with collections for the national projects

Study protocols from Argentina, Canada, Denmark, Ethiopia, Germany, Israel, Kuwait, Palestine, Saudi Arabia, and Sicily (Italy)

<https://www.psycharchives.org/handle/20.500.12034/2397>

Useful DSpace Standard Features

- Hierarchical structure with collections in communities
- Images for Communities/Collection
we've never used this feature before!
- Introductory text of community is very flexible
- Mapping of items into different collections
- *Adding of additional metadata fields*

Custom DSpace Extensions I

Collections: [Study Protocols](#)

Files in This Item:

File	Description	Size	Format	
Guidance and protocol.BI for COVID-19_160420.pdf	Guidance document	1,29 MB	Adobe PDF	Preview PDF Download
Protocol.Template.BI for COVID-19_Psycharchives.docx	Protocol template	36,46 kB	Microsoft Word XML	Download
Questionnaire.Template.BI for COVID-19_Psycharchives.docx	Questionnaire template	60,58 kB	Microsoft Word XML	Download

Related Items

[Data analysis template for COVID-19 Snapshot Monitoring \(COSMO Standard\) \(WHO Regional Office for Europe\)](#) 24-Mar-2020 code

[Argentina COVID-19 Snapshot Monitoring \(COSMO Argentina\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Argentina \(Saletti-Cuesta, Lorena et al.\)](#) 23-Mar-2020 studyProtocol

[Canada COVID-19 Snapshot Monitoring \(COSMO Canada\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Canada \(Privy Council Office of Canada\)](#) 16-Apr-2020 studyProtocol

[Denmark COVID-19 Snapshot Monitoring \(COSMO Denmark\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Denmark \(Böhm, Robert et al.\)](#) Mar-2020 studyProtocol

[Ethiopia COVID-19 Snapshot Monitoring \(COSMO Ethiopia\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Ethiopia \(Abera, Netsanet et al.\)](#) 21-Apr-2020 studyProtocol

[Germany COVID-19 Snapshot Monitoring \(COSMO Germany\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Germany \(Betsch, Cornelia et al.\)](#) 3-Mar-2020 studyProtocol

[Israel COVID-19 Snapshot Monitoring \(COSMO Israel\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Israel \(Aharonson-Daniel, Limor et al.\)](#) 15-Apr-2020 studyProtocol

[Saudi Arabia COVID-19 Snapshot Monitoring \(COSMO Saudi\): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Saudi Arabia \(Alamro, Nurah et al.\)](#) 22-Apr-2020 studyProtocol

Show full item record

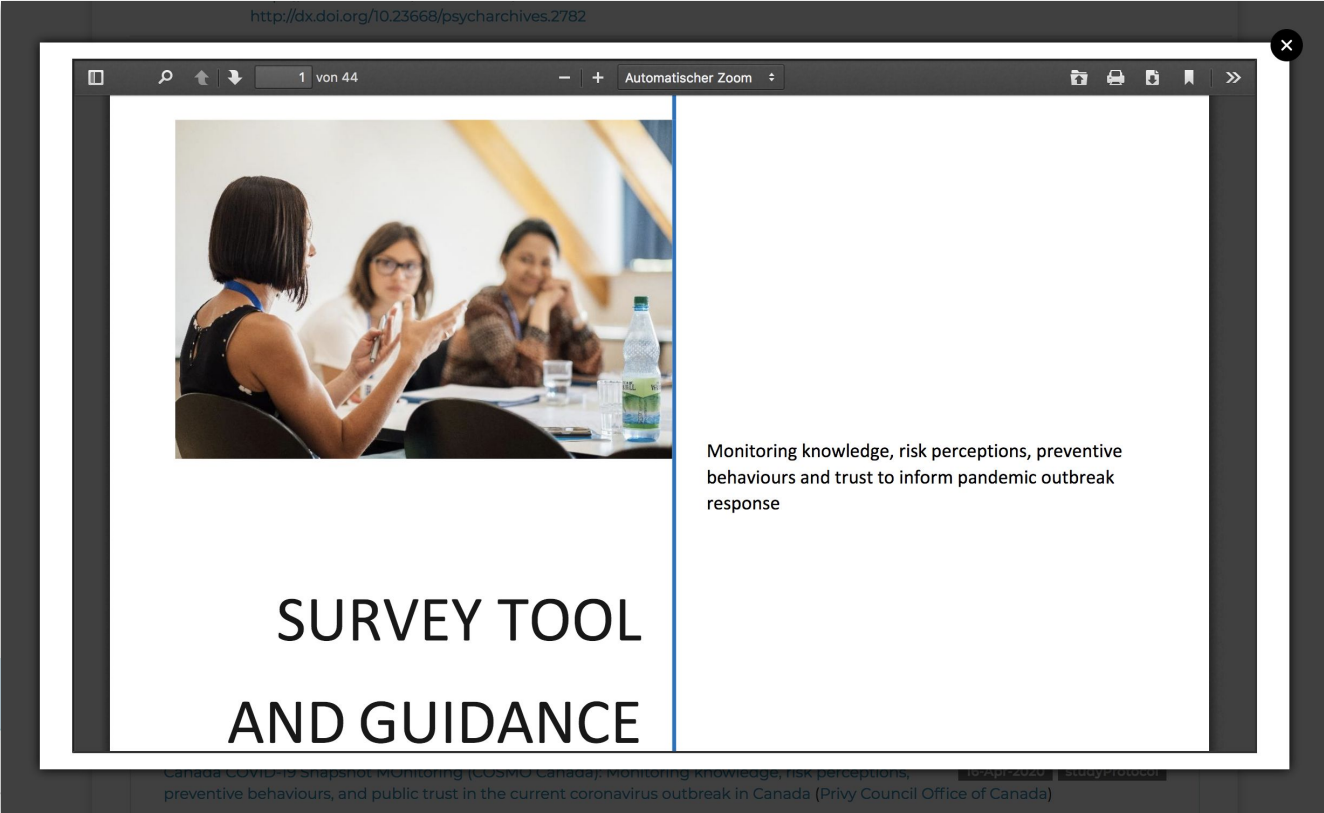
- *Related Items* view to show connections between items

Custom DSpace Extensions II

- *Preview PDF*
to enable a quick preview


Files in This Item:

File	Description	Size	Format
Guidance and protocol.BI for COVID-19_160420..pdf	Guidance document	1,29 MB	Adobe PDF



http://dx.doi.org/10.23668/psycharchives.2782

1 von 44 Automatischer Zoom



Monitoring knowledge, risk perceptions, preventive behaviours and trust to inform pandemic outbreak response

**SURVEY TOOL
AND GUIDANCE**

Canada COVID-19 Snapshot Monitoring (CSSMO Canada): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Canada (Privy Council Office of Canada)

Preview PDF

Download

Limitations to DSpace Functionality

Order of metadata fields cannot be set manually - developing a solution would be expensive

dc.language.iso	eng
dc.publisher	PsychArchives
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2790
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2788
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2868
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2795
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2877
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2776
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2866
dc.relation.uri	http://dx.doi.org/10.23668/psycharchives.2878

Related items	
Data analysis template for COVID-19 Snapshot Monitoring (COSMO Standard) (WHO Regional Office for Europe)	24-Mar-2020 <code>code</code>
Argentina COVID-19 Snapshot Monitoring (COSMO Argentina): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Argentina (Saletti-Cuesta, Lorena et al.)	23-Mar-2020 <code>studyProtocol</code>
Canada COVID-19 Snapshot Monitoring (COSMO Canada): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Canada (Privy Council Office of Canada)	16-Apr-2020 <code>studyProtocol</code>
Denmark COVID-19 Snapshot Monitoring (COSMO Denmark): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Denmark (Böhm, Robert et al.)	Mar-2020 <code>studyProtocol</code>
Ethiopia COVID-19 Snapshot Monitoring (COSMO Ethiopia): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Ethiopia (Abera, Netsanet et al.)	21-Apr-2020 <code>studyProtocol</code>
Germany COVID-19 Snapshot Monitoring (COSMO Germany): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Germany (Betsch, Cornelia et al.)	3-Mar-2020 <code>studyProtocol</code>
Israel COVID-19 Snapshot Monitoring (COSMO Israel): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Israel (Aharonson-Daniel, Limor et al.)	15-Apr-2020 <code>studyProtocol</code>
Saudi Arabia COVID-19 Snapshot Monitoring (COSMO Saudi): Monitoring knowledge, risk perceptions, preventive behaviours, and public trust in the current coronavirus outbreak in Saudi Arabia (Alamro, Nurah et al.)	22-Apr-2020 <code>studyProtocol</code>



Sharing Data in Psychology



- Regarding GDPR

Article 89

Safeguards and derogations relating to processing for archiving purposes in the public interest, scientific or historical research purposes or statistical purposes

1. Processing for archiving purposes in the public interest, scientific or historical research purposes or statistical purposes, shall be subject to appropriate safeguards, in accordance with this Regulation, for the rights and freedoms of the data subject. Those safeguards shall ensure that technical and organisational measures are in place in particular in order to ensure respect for the principle of data minimisation.

- Compliance with the purpose of use agreed in the informed consent
- Default sharing level in PsychArchives (DSpace) does not correspond to researchers' wish to share their data under their own conditions

Sharing Level Concept

Access Level 0 Public Use File
means open access



Access Level 0+ Public Use File
generally open access, but the submitter requests feedback regarding intended use



Access Level 1 Restricted/Scientific Use File
only for scientific use; procedure 'Request a Copy' has a step for verification of this purpose



Access Level 2 Restricted/Scientific Use File with veto
scientific use with individual agreement between submitter and requester



- Default process to get data not sufficient, but easy to change
- 'Request a copy' is not an individual agreement between submitter and requester
- 'Download' procedure does not include individual consent

How to grant access to the COSMO research data?

File	Description	Size	Format		
data_welle1.csv		26 B	CSV	Download	Request a copy
					

- Changed displayed text for default 'Download' procedure

[Log In to PsychArchives](#)

Dear user,

to retrieve the requested research data, please fill in [this data request form](#).

- Simple workaround for 'Request a copy'



License Agreement
for use of

Citation of requested PsychArchives item

between
Prof. Dr. Cornelia Betsch (on behalf of the COSMO project COVID-19 Snapshot Monitoring)
Universität Erfurt
Erfurt
Germany
and

Title	
First name	
Last name	
Email	
Affiliation (university / institution)	
Description of intended use	

Date and Signature (Data user) Date and Signature
Prof. Dr. Cornelia Betsch, Universität Erfurt

Summary

- PsychArchives, our DSpace-based repository, could be quickly adapted to provide convenient access to psychological research about Covid-19 from a variety of countries on one platform
- DSpace made it easy for us to highlight this research (temporarily) via
 - the creation of a special COSMO community containing a number of separate national collections
 - the mapping of COSMO items into their respective collections
 - the presentation of information on COSMO and the submission process for COSMO content on the PsychArchives start page as well as the community page
 - the integration of images in the community overview
 - the inclusion of additional metadata fields such as `zpid.tags.visible`
 - the use of our *Related Items* view
 - and the implementation of a workaround to access scientific use files.

Thank you!

If you have further questions or feedback, contact us via:
Christiane Baier, Lea Gerhards, Peter Weiland
{ceb,leg,pw}@leibniz-psychology.org