Pre-registration of the

COVIDiSTRESS global survey
Version Final 1.1, March 30th 2020

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Background
The COVIDiSTRESS global survey is an international collaborative undertaking for data gathering on people's experiences, behavior and attitudes during the COVID-19 pandemic. In particular, the survey focuses on psychological stress, compliance with behavioral guidelines to slow the spread of Coronavirus, and trust in governmental institutions and their preventive measures, but multiple further items and scales are included for descriptive statistics, further analysis and comparative mapping between participating countries.

To gather comparable data swiftly from across the globe, the collaboration and survey was constructed as an urgent "quick and dirty" process. Individual collaborators and groups in the COVIDiSTRESS network (see below) conducted translations to each language. Care was taken to ensure robust translations when porting the survey for data collection across the globe. Individual researchers in each language region were responsible for front- and back-translation steps.

In this pre-registration, you will find a version of the survey itself.

- An annotated list of items with references to individual scales will be made available separately.
- Individual hypotheses and plans for analyses of the survey data to appear in separate pre-registrations/registered reports.

Data collection and translations:
Data is being collected by committed researchers in 43+ countries. Data is collected through online means, mainly based on social snowballing, viral spread and help from interested partners including media.

Data collection is scheduled to run in the time period March 30 to May 30, 2020, with a *provision to extend* should the COVID-19/Coronavirus situation still be serious, and data collection of interest to the COVIDiSTRESS network. Data from the soft launch in Denmark on March 26 is included in the dataset, as no gross changes to the survey occurred after.

At the time of registration, the survey is translated into the following 42 languages (more translations may follow).

Language	CODE2	LINK
Afrikaans	AFR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=AFR
Albanian	SQI	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=SQI
Arabic	AR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=AR
Bangla	BAN	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=BAN
Belgian Dutch	DFB	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=DFB
Bahasa Indonesia	ID	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=ID
Bosnian	BS	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=BS
Brazilian Portuguese	PT-BR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=PT-BR
Bulgarian	BG	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=BG

Chinese (Simplified)	ZH-S	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=ZH-S
Chinese (Traditional)	ZH-T	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=ZH-T
Croatian	HR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=HR
Czech	CS	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=CS
Danish	DA	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=DA
Dutch	NL	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=NL
English	EN	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=EN
Español - Argentina	SAR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=SAR
Español - Colombia	S-CO	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=S-CO
Español - Cuba	SCU	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=SCU
Español - España	SSP	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=SSP
Español - México	SME	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=SME
Filipino	FILI	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=FILI
Finnish	FI	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=FI
French	FR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=FR
German	DE	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=DE
Greek	EL	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=EL
Hindi	HI	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=HI
Hungarian	HU	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=HU
IsiXHOSA	XHO	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=XHO
isiZulu	ZUL	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=ZUL
Italian	IT	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=IT
Japanese	JA	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=JA
Korean	KO	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=KO
Lithuanian	LT	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=LT
Persian	FA	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=FA
Polish	PL	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=PL
Portuguese	PT	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=PT
Russian	RU	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=RU
Serbian	SR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=SR

Turkish	TR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=TR
Urdu	UR	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=UR
Vietnamese	VI	https://aarhus.eu.qualtrics.com/jfe/form/SV_6X6017nwDwNEv7D?Q_Language=VI

In a soft-launch in Denmark using a facebook post and a news story on a science site (www.videnskab.dk) >7000 responses were collected in four days (Thursday evening to Sunday evening), which gives some indication of the potential for data collection in other countries.

Privacy, ethics and individual network participants
Data collection is anonymous (read about Qualtrics, anonymity and GDPR). Further, to avoid collecting sensitive information, the survey explicitly does *not* ask participants about contagion or clinical symptoms related to COVID-19, or other illnesses they might be diagnosed with. Data collection is conducted in Qualtrics by the University of Aarhus, Denmark. Researchers participating in the COVIDiSTRESS global survey network have been asked to seek IRB/Ethical approval for their participation as fitting their local standards. The Aarhus University IRB legal department has granted a waiver to proceed urgently with data collection.

Data availability:
Data will be made available for public use on the Open Science Framework. Data extraction is scheduled for cumulative "dumps" every Monday until May 30, 2020.

Data use and reference
Data is shared under the OSF Open Science Framework. Conditions and reference will be stated on the data upload information. Researchers and others using the data are asked to reference the data extraction by specific week, as indicated in the file description on Open Science Framework and the present pre-registration.

Researchers and others intending to analyse and publish data are asked to ***pre-register hypotheses and an analysis plan on the Open Science Framework before accessing data***. This is both to ensure the greatest possible scientific rigour, and to document uses of the data.

Researchers and others intending to analyse and publish data are further ***invited to formally join the COVIDiSTRESS network*** and collaborate with the researchers involved in the survey design, translation, and data collection in order to avoid submissions of parallel analyses.

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Soft launch
The survey has been launched in its current form [Final1.1], after a 3-day soft launch in Denmark [version 1.0], conducted to identify serious flaws. None were found, except the need for a brief introduction and a clearer "do you accept?" question at the end of the informed consent, which were added within the first hours and did not affect existing items. All translations were then updated, along with a few non-consequential edits like removing unnecessary "-" answer categories and ensuring age restriction focused on individuals aged 18+.

Provisions for post-launch edits
The survey [Final1.1] uploaded here was published online on March 30, 2020.
After the final format was reached [version 1.0], no changes were allowed for the survey as a whole to ensure consistency between language versions, data collected over time, and this pre-registration. Only the PI and selected researchers at the host university have access to the Qualtrics survey, to ensure that there is no post-launch changes or pre-analysis peeking.
We do, however, make provisions for changes post launch for…

- Addition of certain country-specific demographic variables. For example, specifying states/regions in countries where this will be preferable to a free-text field to ensure consistency.
- Piped-text option to show the chosen country in the English version to be implemented.
- Addition of *conditional (e.g., by country, certain education levels) items/batteries for limited periods of time.* Such additions will be accepted on the condition that they are 1.) added at the end of the survey to avoid influencing other answers, 2.) are based on an a-priori specified hypothesis and analysis plan, including an estimation of needed power to ensure specific stopping conditions to be implemented after the weekly data-extraction.

- Spelling mistakes, technical errors or phrases that are amendable and would not reduce correspondence to existing translations or collected data.
- Added items relevant to checking validity or future waves of data collection - for instance a "have you answered this survey once already?" checking questions.
- If changes are made, a dated updated version of the survey will be registered. Researchers responsible for temporary conditional items will be responsible for pre-registration of content, hypotheses, and analysis plan.

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