Below is a case example on how to fill in the iCARE Analysis Request Form. Please keep in mind that this example was developed for illustrative purposes only, in order to provide all collaborators with an overall understanding of the level of detail the iCARE analytical team expects from your request.

Please complete the iCARE Data Analysis request below. Thank you!

Date:	Insert Date
Researcher information	
First Name:	Insert Name
Last Name:	Insert Name
Affiliation	Insert Affiliation
Email Address	Insert email address
Project Title:	Investigating factors associated with adherence to protective behaviours among Canadian young adults
Project iSAP number	iCARE-___-____
Estimated date for which you want to have analysis outputs (if applicable):	Insert Date
Data of interest (select all that apply)	
Please specify the type of data of your interest	◯ Convenience data ◯ Longitudinal data (available only for Canada) ⊗ Representative data
Please specify if you are interested in global or country-specific data	◯ Global ⊗ Country specific
Please indicate the country of your interest:	Canada
Please specify the timeframe of your interest (i.e. if you are interested in all surveys or specific survey versions).	☒ All surveys ☐ Specific survey version(s)
Hypotheses/ Research questions	
Please detail each research questions as it relates to the analysis	Q1: what are the temporal variations in adherence to protective behaviours among young adults? Q2: what are the factors associated with social distancing among young adults six months after the beginning of the pandemic?
Description of variables and statistical analysis	

A) Dependent variable(s) list ((For each research question of interest, please specify the dependent variables, as described in the data dictionary))	Q1: actfreq_sq001; actfreq_sq003; actfreq_sq004; actfreq_sq007; actfreq_sq008; actfreq_sq09; actfreq_sq010; actfreq_sq011; Q2: Adherence score for avoiding social gatherings (include only survey 3 data). Composite score of actfreq_sq018, actfreq_sq026 and actfreq_sq027.
B) Independent variable(s) list ((For each research question of interest, please specify the independent variables, as described in the data dictionary))	Q1: none, only descriptive info is requested Q2: 1) recimp 2) recgovop 3) concern_sq001; concern_sq002; concern_sq004; 4) impacvd_sq001; impacvd_sq002; impacvd_sq003;
C) Covariate variable(s) list (For each research question of interest, please specify any covariates, as described in the data dictionary))	Q1: none, only descriptive info is requested Q2: 1) sex 2) PROV2 3) edu 4) reven
D) Analysis For each research question of interest, please specify the type of analyses or statistical models you would like us to run. For instance, specify any descriptive statistical analysis (presenting proportions, means etc.), correlations etc. If statistical modelling is needed, please include the type of model (e.g. linear, logistic regression, etc.) and a detailed specification of the model (this includes each variable that will be included as a predictor, outcome, or covariate as well as a specification of reference categories for each variable). Please specify any interactions, stratifications, or sensitivity analyses that you want us to test. ***Please note that the feasibility of your statistical analyses will be evaluated on a case-by-case basis by the members of our team.***	All the analyses need to be performed among participants aged between 18 and 29 years old. For Q1, please use data from all available surveys. For Q2, include only survey 3 data. Q1: Descriptive statistics: % of participants that follow each recommendation "most of the time". Q2: Analysis to be done in 2 steps: 1) Do a chi-square analyses comparing independent variables and dependent variable. 2) A logistic regression analysis including only independent variables that show significant correlations in the part 1). This model should be adjusted for all covariates specified in the section C). Besides model parameters (betas), odds-ratios, 95% confidence intervals and p-values should be reported. Reference categories for the exposure, outcomes and covariates are as follows: - avoiding social gatherings composite score (‘most of the time’ vs. the rest). - sex (male vs female) - PROV2 (Quebec vs the rest of the provinces - edu (graduate vs others) - reven (40,000$ and more vs others) - recimp (very important vs others) - recgovop (dicho: too strict vs others) - concern_sq001; concern_sq002; concern_sq004; ("to a great concern" vs others) - impacvd_sq001; impacvd_sq002; impacvd_sq003; ("to a great concern" vs others)

D) Special considerations for treating the variables For each variable listed in A), B), and C), please specify any special considerations that you would like us to take into account when treating and analyzing the data (e.g: if you want us to dichotomize an item; if you want us to categorize a continuous variable, (e.g. age), how you want us to treat or account for missing data)	Perform the analysis only on available data (exclude all the missing values). Q1: - actfreq_sq001; actfreq_sq003; actfreq_sq004; actfreq_sq007; actfreq_sq008; actfreq_sq09; actfreq_sq010; actfreq_sq011; (create a dichotomous variable -> most of the time vs. the others) Q2: - - Adherence score for avoiding social gatherings (w3). Create a binary composite score of actfreq_sq018, actfreq_sq026 and actfreq_sq027. To be adherent: all questions at "most of the time" (vs. all other responses). - recimp (create a dichotomous variable -> very important vs others) - recgovop (create a dichotomous variable -> too strict vs others) - concern_sq001; concern_sq002; concern_sq004; (create a dichotomous variable -> "to a great concern" vs others) - impacvd_sq001; impacvd_sq002; impacvd_sq003; (create a dichotomous variable -> "to a great concern" vs others) - sex (create a dichotomous variable -> male vs female) - PROV2 (create a dichotomous variable -> Quebec vs the rest of the provinces) - edu (create a dichotomous variable -> graduate vs others) - reven (create a dichotomous variable -> 40,000$ and more vs others)

Research integrity

The iCARE study team is dedicated to maintaining high quality and transparency as well as increasing the value of all iCARE research processes. The methodological paper, describing the iCARE study has been published: https://bmjopen.bmj.com/content/11/3/e046127

- **Open science**

The iCARE study team encourages the open-science movement, and highly recommends that all products created as part of the iCARE study be described in enough detail and made available in open access.

- **Pre-registration of the analysis**

The iCARE study team has developed an analysis pre-registration template that is accessible here: https://osf.io/nswcm/ . We highly encourage registering your research and analysis plan in advance.

- **Reporting standards**

We strongly recommend following the rules of good scientific practice and implementing established research reporting guidelines to increase the transparency of your iCARE study. Please refer to https://www.equator-network.org/ for more information.

- **Pre-print upload**

Preprints offer a good opportunity to share your research paper and receive feedback from the wider community, without peer review. We invite you to submit your paper to a pre-print server prior to submitting it for a publication in a traditional scholarly journal. Possible on-line repositories are: OSF-preprints, PsyArXiv,SocArXiv, MedRixv etc.)

Authorship Contributions and Citation in Research Publications

Please note that authors are obliged to acknowledge the contribution of the iCARE study team, the iCARE funding bodies, and any required bodies that provided publicly available data as part of iCARE Research Materials in all oral and written presentations, disclosures, or publications resulting from any analyses conducted on iCARE Research Materials.
Specific details of how and what should be reported are included in the iCARE collaborator acknowledgment document, available here: https://osf.io/nswcm/
Authors should submit a final version of the published manuscript and a web link of the publication to the iCARE study coordinator (covid19study@mbmc-cmcm.ca).
If you have any questions please contact the iCARE study team at: covid19study@mbmc-cmcm.ca

⊗ Yes
◯ No

I have read and understood the information pertinent to the research integrity and author contribution requirements of the iCARE study. I agree to comply maintain/comply with the principles of good scientific practice outlined above.