REPLICATION DATA

Seroprevalence and risk factors for SARS-CoV-2 infection in middle-sized cities of Burkina Faso: a descriptive cross-sectional study

Description: This repository contains data from the COVID4P project (an investigation of the relationship between poverty, pollution, preventive actions, and the progression of COVID-19 in Burkina Faso).

It currently contains Wave 1 data collected on a sample of 2,143 persons aged 16+ in Kombissiri, Manga and Pô (Burkina Faso) from June to July 2021. The data is part of panel, which has been conducted in one additional wave in December 2021.

The repository includes data used for the paper " Seroprevalence and risk factors for SARS-CoV-2 infection in middle-sized cities of Burkina Faso: a descriptive cross-sectional study," whose sample is restricted to adult respondents with a valid RDT for COVID-19. The data has been anonymized to protect respondent privacy.

Variable name	Description	Values
positifcovid	Binary variable, being equal to one if the RDT is positive (presence of IgG, IgM or both), zero otherwise	0 = Negative 1 = Positive
igg	Binary variable, being equal to one if the RDT shows IgG, zero otherwise	0 = No IgG 1 = IgG present in the blood
igm	Binary variable, being equal to one if the RDT shows IgM, zero otherwise	0 = No IgM 1 = IgM present in the blood
age_cat	Age group	1 = 16-24 yo 2 = 25-54 yo 3 = 55 yo and above
age_55p_s1	Binary variable, equal to one is the individual is 55 or more at the time of the survey	0 = aged strictly below 55 1 = aged 55 or above
femme	Binary variable	0 = if male 1 = if female
bmi_cat	Body mass index (BMI) categories	1 = BMI strictly below 18.5 2 = BMI between 18.5 and 24.9 3 = BMI between 25 and 30 4= BMI above 30
bmi_above25	Binary variable for having a body mass index equal to 25 or above	0 = BMI below 25 1 = BMI equal to 25 or above
commune	City Code	1 = Kombissiri 2 = Manga 3 = Pô
educlevel_s1	Level of education, in five categories	0= No education 1 = Primary

		2 = Incomplete junior high school 3= Complete junior high school or above
noeduc_s1	Binary variable equal to one if the individual has no formal education, zero otherwise (i.e if primary, secondary or above)	0 = if any formal education 1 = if no formal education
enceinte	Binary variable for the woman being currently pregnant (aware of being pregnant at the time of the survey)	0 = woman is not pregnant 1 = woman is pregnant missing values = man
taille5plus	Binary variable for living in a household composed of more than 5 members	0 = household size between 1 and 5 1 = household size strictly larger than 6
acces_eau_s1	Binary variable for having access to piped water (either inside their dwelling or from a neighbor)	0 = No 1 = Yes
ppi_s1_high	This variable represents a large likelihood of being poor. It is based on the poverty probability index computed at the household level using IPA formula (Innovations for Poverty Action 2017). Binary variable equal to one if the value is above the median, and zero otherwise. The binary variable stands for a large risk of being poor, compared to the other individuals of the sample.	0 = No 1 = Yes
odorat_3mois	Respondents were asked whether they have had any illness or symptoms over the three months preceding the interview. If yes, the was asked for listing all symptoms. Binary variable for reporting having had any loss of smell over the three months preceding the interview.	0 = No 1 = Yes
gout_3mois	Respondents were asked whether they have had any illness or symptoms over the three months preceding the interview. If yes, the respondent was asked for listing all symptoms. Binary variable for reporting having had any loss of taste over the three months preceding the interview.	0 = No 1 = Yes

References

Innovations for Poverty Action (2017). Burkina Faso 2014 PPI: User Guide. Washington D.C, USA, p. 26. url: https://www.povertyindex.org/country/burkina-faso (visited on 07/28/2022).

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