Bangladesh - COVID-19 Exposure and Protective Measures

UNHCR, WHO, UN Global Pulse, UN OCHA, Durham University

Report generated on: December 20, 2021

Visit our data catalog at: https://microdata.unhcr.org/index.php

Overview

Identification

ID NUMBER
UNHCR_BGD_2020_COVIDProtection_v2.1

Version

VERSION DESCRIPTION
- v2.1: Edited, anonymous dataset for licensed distribution.

PRODUCTION DATE
2021-01-31

Overview

ABSTRACT
This dataset was collected as a complement to UN Global Pulse, UNHCR, Durham University, WHO and OCHA's study on simulation models to help with COVID-19 planning in world's largest refugee settlement. The spread of infectious diseases such as COVID-19 presents many challenges to healthcare systems and infrastructures across the world, exacerbating inequalities and leaving the world's most vulnerable populations most affected. Given their density and available infrastructure, refugee and internally displaced person (IDP) settlements can be particularly susceptible to disease spread. This survey collected data on individual's contact, interactions and time spent in public zones of refugees' camps in Cox's Bazar, in order to fill spreading matrices to inform this simulation of spread.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
Individuals

Scope

NOTES
Basic demographics, attendance to learning centers; attendance to food distribution centers; attendance to e-voucher outlets; attendance to community centers; attendance to religious meetings; time spent in water pumps and latrines.

TOPICS

Topic	Vocabulary	URI
Water Sanitation Hygiene		
Camp Coordination and Camp Management (CCCM)		
Food Distribution		
Health Care Referral Services		

Coverage

GEOGRAPHIC COVERAGE
Cox's Bazar

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
UNHCR	
WHO	
UN Global Pulse	
UN OCHA	
Durham University	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
UNHCR			

DATE OF METADATA PRODUCTION
2021-12

DDI DOCUMENT VERSION
Version 1.0 (December 2021)

DDI DOCUMENT ID
UNHCR_BGD_2021_COVIDProtection_ddi_v1.0

Sampling

Sampling Procedure

Sample frame obtained from lists of Community-Based Protection regular working groups. Each camp group was stratified by gender, age and disabilities, and members of each camp were randomly selected from the working groups of 20 camps in Cox's Bazar.

Questionnaires

No content available

Data Collection

Data Collection Dates

| **Start** | **End** | **Cycle** |
| 2020-12-08 | 2020-12-14 | N/A |

Data Collection Mode

Telephone interview

Data Collectors

Name	Abbreviation	Affiliation
UNHCR		

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

Anonymized Data v2.11

Content	
Cases	309
Variable(s)	43
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V1	consent2	Consent form	discrete	character	
V2	child_consent	Consent for parents	discrete	character	
V3	parent_consent	Consent for children	discrete	character	
V4	sex	Gender of respondent	discrete	character	
V5	location	Location at time of interview	discrete	character	
V6	age	Age group	discrete	character	
V7	disability	Disability	discrete	character	
V8	face_mask	Access to face mask?	discrete	character	
V9	education	Attended formal education?	discrete	character	
V10	education_time	Time spent in formal education	discrete	character	
V11	education_time77	Time spent in formal education - specify	discrete	character	
V12	education_contact_children	Number of children interacted with in formal education	contin	numeric	
V13	education_contact_adults	Number of adults interacted with in formal education	contin	numeric	
V14	distcenter	Attended a food distribution center?	discrete	character	
V15	distcenter_time	Time spend in food distribution center	discrete	character	
V16	distcenter_time77	Time spent in food distribution center - specify	discrete	character	
V17	distcenter_contact_children	Number of children interacted with in food dist center	discrete	numeric	
V18	distcenter_contact_adults	Number of adults interacted with in food dist center	contin	numeric	
V19	distcenter_mask	Wore mask in food dist center	discrete	character	
V20	evoucher	Attended e-voucher outlet	discrete	character	
V21	evoucher_time	Time spent in e-voucher outlet	discrete	character	
V22	evoucher_time77	Time spent in e-voucher outlet - specify	discrete	character	
V23	evoucher_contact_children	Number of children interacted with in e-voucher outlet	discrete	numeric	
V24	evoucher_contact_adults	Number of adults interacted with in e-voucher outlet	contin	numeric	
V25	evoucher_mask	Wore mask in e-voucher outlet	discrete	character	

V26	community	Attended a community center?	discrete	character
V27	community_time	Time spent in community center	discrete	character
V28	community_time77	Time spent in community center - specify	discrete	character
V29	community_contact_children	Number of children interacted with in comm center	contin	numeric
V30	community_contact_adults	Number of adults interacted with in comm center	contin	numeric
V31	community_mask	Wore mask in community center	discrete	character
V32	religious	Attended religious meeting?	discrete	character
V33	religious_time	Time spent in religious meeting?	discrete	character
V34	religious_time_77	Time spent in religious meeting - specify	discrete	character
V35	religious_contact_children	Number of children interacted with in religious meeting	contin	numeric
V36	religious_contact_adults	Number of adults interacted with in religious meeting	contin	numeric
V37	religious_mask	Wore mask in religious meeting?	discrete	character
V38	pump_time	Time spent in water pump/latrine	discrete	character
V39	pump_time77	Time spent in water pump/latrine - specify	discrete	character
V40	pump_children	Number of children interacted with in water pump	contin	numeric
V41	pump_adults	Number of adults interacted with in water pump	contin	numeric
V42	pump_mask	Wore mask at water pump/latrine	discrete	character
V43	weight		contin	numeric

Consent form (consent2)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 309
Invalid: 0

Consent for parents (child_consent)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 309
Invalid: 0

Consent for children (parent_consent)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 309
Invalid: 0

Gender of respondent (sex)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 6

Valid cases: 307
Invalid: 0

Location at time of interview (location)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 17

Valid cases: 309
Invalid: 0

Age group (age)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 20

Valid cases: 309
Invalid: 0

Disability (disability)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 309
Format: character	Invalid: 0
Width: 3	

Access to face mask? (face_mask)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 309
Format: character	Invalid: 0
Width: 3	

Attended formal education? (education)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 309
Format: character	Invalid: 0
Width: 3	

Time spent in formal education (education_time)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 116
Format: character	Invalid: 0
Width: 21	

Time spent in formal education - specify (education_time77)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 14
Format: character	Invalid: 0
Width: 11	

Number of children interacted with in formal education (education_contact_children)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-100

Valid cases: 116
Invalid: 193
Minimum: 0
Maximum: 100
Mean: 12.6
Standard deviation: 13.9

Number of adults interacted with in formal education (education_contact_adults)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-35

Valid cases: 116
Invalid: 193
Minimum: 0
Maximum: 35
Mean: 4.9
Standard deviation: 6.6

Attended a food distribution center? (distcenter)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 309
Invalid: 0

Time spend in food distribution center (distcenter_time)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 21

Valid cases: 156
Invalid: 0

Time spent in food distribution center - specify (distcenter_time77)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 13

Valid cases: 37
Invalid: 0

Number of children interacted with in food dist center (distcenter_contact_children)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 0-20

Valid cases: 156
Invalid: 153

Number of adults interacted with in food dist center (distcenter_contact_adults)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-100

Valid cases: 156
Invalid: 153
Minimum: 0
Maximum: 100
Mean: 14.8
Standard deviation: 14.2

Wore mask in food dist center (distcenter_mask)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 156
Invalid: 0

Attended e-voucher outlet (evoucher)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 309
Invalid: 0

Time spent in e-voucher outlet (evoucher_time)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 21

Valid cases: 116
Invalid: 0

Time spent in e-voucher outlet - specify (evoucher_time77)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 12

Valid cases: 54
Invalid: 0

Number of children interacted with in e-voucher outlet (evoucher_contact_children)
File: Anonymized Data v2.11

Overview

Type: Discrete	Valid cases: 116
Format: numeric	Invalid: 193
Width: 10	
Decimals: 0	
Range: 0-15	

Number of adults interacted with in e-voucher outlet (evoucher_contact_adults)
File: Anonymized Data v2.11

Overview

Type: Continuous	Valid cases: 116
Format: numeric	Invalid: 193
Width: 10	Minimum: 0
Decimals: 0	Maximum: 100
Range: 0-100	Mean: 11.5
	Standard deviation: 14.9

Wore mask in e-voucher outlet (evoucher_mask)
File: Anonymized Data v2.11

Overview

Type: Discrete	Valid cases: 116
Format: character	Invalid: 0
Width: 3	

Attended a community center? (community)
File: Anonymized Data v2.11

Overview

Type: Discrete	Valid cases: 309
Format: character	Invalid: 0
Width: 3	

Time spent in community center (community_time)
File: Anonymized Data v2.11

Overview

Type: Discrete	Valid cases: 185
Format: character	Invalid: 0
Width: 21	

Time spent in community center - specify (community_time77)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 33
Format: character	Invalid: 0
Width: 13	

Number of children interacted with in comm center (community_contact_children)
File: Anonymized Data v2.11

Overview	
Type: Continuous	Valid cases: 185
Format: numeric	Invalid: 124
Width: 10	Minimum: 0
Decimals: 0	Maximum: 50
Range: 0-50	Mean: 6.4
	Standard deviation: 6.8

Number of adults interacted with in comm center (community_contact_adults)
File: Anonymized Data v2.11

Overview	
Type: Continuous	Valid cases: 185
Format: numeric	Invalid: 124
Width: 10	Minimum: 0
Decimals: 0	Maximum: 60
Range: 0-60	Mean: 9
	Standard deviation: 9.4

Wore mask in community center (community_mask)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 185
Format: character	Invalid: 0
Width: 3	

Attended religious meeting? (religious)
File: Anonymized Data v2.11

Overview	
Type: Discrete	Valid cases: 309
Format: character	Invalid: 0
Width: 3	

Time spent in religious meeting? (religious_time)
File: Anonymized Data v2.11

Overview	

Type: Discrete
Format: character
Width: 21

Valid cases: 197
Invalid: 0

Time spent in religious meeting - specify (religious_time_77)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 12

Valid cases: 30
Invalid: 0

Number of children interacted with in religious meeting (religious_contact_children)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-25

Valid cases: 197
Invalid: 112
Minimum: 0
Maximum: 25
Mean: 4
Standard deviation: 5.1

Number of adults interacted with in religious meeting (religious_contact_adults)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-50

Valid cases: 197
Invalid: 112
Minimum: 0
Maximum: 50
Mean: 11.8
Standard deviation: 9.5

Wore mask in religious meeting? (religious_mask)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 197
Invalid: 0

Time spent in water pump/latrine (pump_time)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 21

Valid cases: 309
Invalid: 0

Time spent in water pump/latrine - specify (pump_time77)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 50

Valid cases: 160
Invalid: 0

Number of children interacted with in water pump (pump_children)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-25

Valid cases: 309
Invalid: 0
Minimum: 0
Maximum: 25
Mean: 4.5
Standard deviation: 4

Number of adults interacted with in water pump (pump_adults)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-50

Valid cases: 309
Invalid: 0
Minimum: 0
Maximum: 50
Mean: 6.3
Standard deviation: 6.3

Wore mask at water pump/latrine (pump_mask)
File: Anonymized Data v2.11

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 309
Invalid: 0

(weight)
File: Anonymized Data v2.11

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 113.64-747.64

Valid cases: 309
Invalid: 0
Minimum: 113.6
Maximum: 747.6
Mean: 418.6
Standard deviation: 162.3

Documentation

Questionnaires

Questionnaire

Title   Questionnaire
Filename   COVID-19 protection measure.pdf

Reports

Simulation paper

Title   Simulation paper
Filename   Simulation Paper.pdf