

South Africa - SMS Nudges as a Tool to Reduce Tuberculosis Treatment Delay and Pretreatment Loss to Follow-up: A Randomized Controlled Trial 2017-2018

Adam Wagstaff - World Bank

Report generated on: March 27, 2019

Visit our data catalog at: <http://microdata.worldbank.org>

Sampling

Sampling Procedure

Patients not already being treated for TB arriving in TB waiting rooms of 3 clinics. Aimed to recruit > 90% of new patients over recruitment period. Inclusion criteria: Adult, provided consent, not already on treatment, waiting for a TB test or just had a TB test. Exclusion criteria: Adult, refused consent, already on treatment, not waiting for a TB test or just had a TB test. Recruitment was from 2 October 2017 until 15 December 2017. Fieldworkers continued visiting clinics and phoning patients until mid-February 2018 to collect data on patients' return-to-clinic date, test results and treatment start date.

Questionnaires

Overview

CAPi interview at recruitment was based on a long questionnaire only a few questions from which were used in the present study. The questionnaire is therefore not attached to the current dataset.

Data Collection

Data Collection Dates

Start	End	Cycle
2017-10-02	2018-02-14	N/A

Data Collection Mode

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

Initial data collected through CAPI interview at time of recruitment. Data on return-to-clinic date were obtained via fieldworker interactions with returning patients in the TB waiting room, conversations with clinic staff, and where necessary, phone follow-up conversations with patients and inspection of clinic records. HIV status was obtained by matching between our dataset and the PREHMIS and ETR.Net datasets as described in the paper. The data for the exclusion criteria for the per-protocol analysis were obtained from the records of the bulk SMS provider used to send the SMS messages,

SUPERVISION

Multiple fieldworkers were used overseen by a project coordinator overseen in turn by co-PI Prof. Ronelle Burger. Fieldworkers collected initial and follow-up data in tablets, and uploaded the data to a central server. The project coordinator undertook the randomization to the control and two treatment groups as described in the paper.

Data Processing

Data Editing

Data-cleaning was done by staff at Stellenbosch University and the World Bank.

Other Processing

The analysis of the data was done primarily by Co-PI Adam Wagstaff.

Data Appraisal

No content available

File Description

Variable List

tb_microdata_cat

Content	This is the microdataset used in the paper "SMS nudges as a tool to reduce Tuberculosis treatment delay and pretreatment loss to follow-up. A randomized controlled trial".
Cases	506
Variable(s)	23
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V24	clinic	The Surveyed Clinic	discrete	character	
V25	age	4.1. What is your age?	contin	numeric	
V26	female	4.2. What is your gender?	discrete	numeric	
V27	college	a. Someone with a university degree	discrete	numeric	
V28	employed	b. Someone with a job	discrete	numeric	
V29	electricity	c. Is there electricity in your household?	discrete	numeric	
V30	run_water	In your household, is there hot water running from a tap?	discrete	numeric	
V31	tv	e. In your household, is there a television?	discrete	numeric	
V32	fridge	f. In your household, is there a refrigerator or a freezer?	discrete	numeric	
V33	satellite	g. In your household, is there a satellite dish?	discrete	numeric	
V34	car	h. Does someone in your household own a car?	discrete	numeric	
V35	mob_phone	i. Does someone in your household own a mobile phone?	discrete	numeric	
V36	hungry	4.11. In the past 3 months, did anyone in your household ever go to bed hungry?	discrete	numeric	
V37	time	Time in days to return to clinic	contin	numeric	
V38	in2days	Returned in 2 days	discrete	numeric	
V39	in1wk	Returned in 1 week	discrete	numeric	
V40	in2wks	Returned in 2 weeks	discrete	numeric	
V41	in4wks	Returned in 4 weeks	discrete	numeric	
V42	returned	Returned before end of study	discrete	numeric	
V43	exclude_pp	=1 if exclude for per-protocol analysis	discrete	numeric	
V44	sms_mess	An SMS sent	discrete	numeric	
V45	treatment	0 control, 1 SMS1, 2 SMS2	discrete	numeric	
V46	positive1	HIV positive	discrete	numeric	

The Surveyed Clinic (clinic)

File: tb_microdata_cat

Overview

Type: Discrete
Format: character
Width: 8

Valid cases: 506
Invalid: 0

4.1. What is your age? (age)

File: tb_microdata_cat

Overview

Type: Continuous
Format: numeric
Width: 2
Decimals: 0
Range: 18-81

Valid cases: 506
Invalid: 0
Minimum: 18
Maximum: 81

4.2. What is your gender? (female)

File: tb_microdata_cat

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 0-1

Valid cases: 506
Invalid: 0
Minimum: 0
Maximum: 1

a. Someone with a university degree (college)

File: tb_microdata_cat

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 0-1

Valid cases: 506
Invalid: 0
Minimum: 0
Maximum: 1

b. Someone with a job (employed)

File: tb_microdata_cat

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 0-1

Valid cases: 506
Invalid: 0
Minimum: 0
Maximum: 1

c. Is there electricity in your household? (electricity)

File: tb_microdata_cat

c. Is there electricity in your household? (electricity)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

In your household, is there hot water running from a tap?
(run_water)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

e. In your household, is there a television? (tv)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

f. In your household, is there a refrigerator or a freezer? (fridge)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

g. In your household, is there a satellite dish? (satellite)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

h. Does someone in your household own a car? (car)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

i. Does someone in your household own a mobile phone?
(mob_phone)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

4.11. In the past 3 months, did anyone in your household ever go to bed hungry? (hungry)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

Time in days to return to clinic (time)

File: tb_microdata_cat

Overview

Type: Continuous
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 0-98

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 98

Returned in 2 days (in2days)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

Returned in 1 week (in1wk)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

Returned in 2 weeks (in2wks)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

Returned in 4 weeks (in4wks)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 502
 Invalid: 4
 Minimum: 0
 Maximum: 1

Returned before end of study (returned)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

=1 if exclude for per-protocol analysis (exclude_pp)

File: tb_microdata_cat

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 0-1

Valid cases: 506
 Invalid: 0
 Minimum: 0
 Maximum: 1

An SMS sent (sms_mess)

File: tb_microdata_cat

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 0-1

Valid cases: 506
Invalid: 0
Minimum: 0
Maximum: 1

0 control, 1 SMS1, 2 SMS2 (treatment)

File: tb_microdata_cat

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 0-2

Valid cases: 506
Invalid: 0
Minimum: 0
Maximum: 2

HIV positive (positive1)

File: tb_microdata_cat

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 0-1

Valid cases: 506
Invalid: 0
Minimum: 0
Maximum: 1

