

# Ethiopia - COVID-19 Vaccination Survey 2022

**Ethiopian Statistical Service (ESS), World Bank**

Report generated on: April 26, 2023

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## Identification

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SURVEY ID NUMBER  
ETH\_2022\_COVID19-Vax\_v01\_M

TITLE  
COVID-19 Vaccination Survey 2022

COUNTRY/ECONOMY

Name	Country code
Ethiopia	ETH

STUDY TYPE  
Other Household Survey [hh/oth]

ABSTRACT  
The COVID-19 vaccination survey was implemented in-person between April and July 2022, piggybacked on the Ethiopia Socioeconomic Survey (ESS) 2021/22. The Ethiopian Statistical Service implemented the survey, supported by the World Bank. The survey consists of one module on household member vaccination status, willingness to be vaccinated, and reasons for vaccine hesitancy.

KIND OF DATA  
Sample survey data [ssd]

UNIT OF ANALYSIS  
Individual age 12 and above

## Version

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VERSION DESCRIPTION  
Version 01: Edited, anonymized dataset for public distribution

## Scope

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NOTES  
The survey covered the following topic:  
- COVID-19 vaccination: household member received the vaccination or planning to get the vaccination, and reasons for not getting the vaccination

## Coverage

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GEOGRAPHIC COVERAGE  
National coverage

## Producers and sponsors

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PRIMARY INVESTIGATORS

Name
Ethiopian Statistical Service (ESS)
World Bank

## FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
The World Bank	WB	Funding the study
Bill and Melinda Gates Foundation	BMGF	Funding the study
Global Financing Facility	GFF	Funding the study

## Sampling

## SAMPLING PROCEDURE

The survey sample consists of 4,959 households (2,285 in rural areas, 2,674 in urban areas) and 22,806 individuals (11,802 in rural areas, 11,004 in rural areas) and is of national scope. Sampling relied on the ESS 2021/22 sampling strategy, which employed a two-stage stratified sampling approach.

## Data Collection

## DATES OF DATA COLLECTION

Start	End
2022-04	2022-07

## DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

## DATA COLLECTORS

Name	Abbreviation	Affiliation
Ethiopia Statistical Service	ESS	Government of Ethiopia

## Questionnaires

## QUESTIONNAIRES

The 2022 ESPS COVID-19 Vaccination Module.

## Access policy

## CONTACTS

Name	Affiliation	Email
LSMS	The World Bank Group	lsms@worldbank.org

## Disclaimer and copyrights

## DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

## Metadata production

DDI\_ETH\_2022\_COVID19-Vax\_v01\_M\_WB

## PRODUCERS

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
Development Economics Data Group	DECDG	World Bank Group	Documentation of the survey

## DATE OF METADATA PRODUCTION

2023-04-24

**Data Dictionary**

Data file	Cases	Variables
<b>Ethiopia_COVID19_Vax_Survey.dta</b> Data on COVID-19 vaccination	22688	23



**Data file: Ethiopia\_COVID19\_Vax\_Survey.dta**

Data on COVID-19 vaccination

Cases: 22688

Variables: 23

**Variables**

ID	Name	Label	Question
V24	household_id	Unique Household Identifier	
V25	individual_id	Household member ID	
V26	ea_id	Unique Enumeration Area Identifier	
V27	saq14	Rural/Urban	
V28	pw_w5	household sample weight	
V29	saq01	Region code	
V30	saq02	Zone Code	
V31	saq03	Woreda Code	
V32	saq04	City Code	
V33	saq05	Sub city code	
V34	saq06	Kebele Code	
V35	saq07	EA code	
V36	saq08	Household ID	
V37	s3bq00	00. IS [NAME] AGED 12 YEARS AND OLDER?	
V38	s3bq01	1. Do you know if your country has started COVID-19 vaccination?	
V39	s3bq02	2. Has [Name] received at least once shot of COVID-19 vaccination?	
V40	s3bq03	3. Are you planning to be vaccinated for COVID-19?	
V41	s3bq04_1	4. What was the main reasons why you want to get vaccinated?	
V42	s3bq04_2	4. What was the main reasons why you want to get vaccinated?	
V43	s3bq04_os	4_os. Please specify	
V44	s3bq05_1	5. Why are you not sure or not planning to be vaccinated for COVID-19?	
V45	s3bq05_2	5. Why are you not sure or not planning to be vaccinated for COVID-19?	
V46	s3bq05_os	5_os. Please specify	

Total: 23



**HOUSEHOLD\_ID: Unique Household Identifier**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid:  
 Type: Continuous Width: 18 Range: - Format: character

**INDIVIDUAL\_ID: Household member ID**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid: Minimum: 1 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 20 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		4685	20.6%
2		4137	18.2%
3		3421	15.1%
4		3082	13.6%
5		2412	10.6%
6		1816	8%
7		1257	5.5%
8		794	3.5%
9		486	2.1%
10		290	1.3%
11		148	0.7%
12		83	0.4%
13		39	0.2%
14		17	0.1%
15		10	0%
16		7	0%
17		2	0%
18		1	0%
20		1	0%

**EA\_ID: Unique Enumeration Area Identifier**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid:  
 Type: Continuous Width: 15 Range: - Format: character

**SAQ14: Rural/Urban**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. RURAL	11735	51.7%
2	2. URBAN	10953	48.3%

**PW\_W5: household sample weight**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid: Minimum: 4.38851070404053 Maximum: 32370.2890625  
 Type: Continuous Decimal: 0 Width: 19 Range: 4.38851070404053 - 32370.2890625 Format: Numeric

**SAQ01: Region code**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid: Minimum: 2 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 2 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. TIGRAY	0	0%
2	2. AFAR	1093	4.8%
3	3. AMHARA	2619	11.5%
4	4. OROMIA	2963	13.1%
5	5. SOMALI	3323	14.6%

6	6. BENISHANGUL GUMUZ	815	3.6%
7	7. SNNP	3208	14.1%
12	12. GAMBELA	2008	8.9%
13	13. HARAR	1891	8.3%
14	14. ADDIS ABABA	2562	11.3%
15	15. DIRE DAWA	2206	9.7%

## SAQ02: Zone Code

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

### Overview

Valid: 22688 Invalid:  
 Type: Discrete Width: 2 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
01		6768	29.8%
02		1811	8%
03		2238	9.9%
04		1500	6.6%
05		833	3.7%
06		1258	5.5%
07		1256	5.5%
08		993	4.4%
09		1233	5.4%
10		1050	4.6%
11		531	2.3%
12		322	1.4%
13		319	1.4%
14		358	1.6%
15		398	1.8%
16		383	1.7%
17		355	1.6%
18		153	0.7%
19		248	1.1%
20		286	1.3%
21		87	0.4%

23		32	0.1%
24		66	0.3%
28		71	0.3%
30		53	0.2%
31		57	0.3%
35		29	0.1%

### SAQ03: Woreda Code

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

#### Overview

Valid: 22688    Invalid:  
 Type: Discrete    Width: 2    Range: -    Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
01		6121	27%
02		2139	9.4%
03		2196	9.7%
04		1570	6.9%
05		1730	7.6%
06		1951	8.6%
07		1215	5.4%
08		813	3.6%
09		1059	4.7%
10		893	3.9%
11		579	2.6%
12		867	3.8%
13		386	1.7%
14		200	0.9%
16		170	0.7%
17		99	0.4%
18		168	0.7%
19		46	0.2%
20		47	0.2%
21		109	0.5%
23		32	0.1%

24		66	0.3%
26		22	0.1%
28		71	0.3%
30		53	0.2%
31		57	0.3%
35		29	0.1%

## SAQ04: City Code

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

### Overview

Valid: 22688 Invalid:  
Type: Discrete Width: 2 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
01		10070	44.4%
02		439	1.9%
03		444	2%
08		11735	51.7%

## SAQ05: Sub city code

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

### Overview

Valid: 22688 Invalid:  
Type: Discrete Width: 2 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
01		8456	37.3%
02		168	0.7%
03		474	2.1%
04		117	0.5%
05		224	1%
06		81	0.4%

07		391	1.7%
08		347	1.5%
09		429	1.9%
10		266	1.2%
88		11735	51.7%

## SAQ06: Kebele Code

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

### Overview

Valid: 22688 Invalid:  
 Type: Discrete Width: 3 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
001		4140	18.2%
002		2168	9.6%
003		2339	10.3%
004		1215	5.4%
005		1627	7.2%
006		1168	5.1%
007		1325	5.8%
008		532	2.3%
009		1193	5.3%
010		978	4.3%
011		583	2.6%
012		786	3.5%
013		578	2.5%
014		448	2%
015		357	1.6%
016		241	1.1%
017		268	1.2%
018		328	1.4%
019		197	0.9%
020		160	0.7%
021		207	0.9%
022		123	0.5%

023		109	0.5%
024		208	0.9%
025		179	0.8%
027		108	0.5%
028		136	0.6%
029		133	0.6%
031		104	0.5%
032		51	0.2%
034		69	0.3%
035		102	0.4%
036		55	0.2%
037		123	0.5%
038		54	0.2%
039		74	0.3%
046		31	0.1%
049		57	0.3%
067		42	0.2%
103		92	0.4%

**SAQ07: EA code**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid:  
 Type: Continuous Width: 2 Range: - Format: character

**SAQ08: Household ID**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid:  
 Type: Continuous Width: 3 Range: - Format: character

**S3BQ00: 00. IS [NAME] AGED 12 YEARS AND OLDER?**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	1. Yes	15874	70%
2	2. No	6814	30%

### S3BQ01: 1. Do you know if your country has started COVID-19 vaccination?

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

#### Overview

Valid: 15874 Invalid: 6814 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	1. Yes	12453	78.4%
2	2. No	3421	21.6%
Sysmiss		6814	

### S3BQ02: 2. Has [Name] received at least once shoot of COVID-19 vaccination?

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

#### Overview

Valid: 12453 Invalid: 10235 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	1. Yes	6180	49.6%
2	2. No	6273	50.4%
Sysmiss		10235	

### S3BQ03: 3. Are you planning to be vaccinated for COVID-19?

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 9694 Invalid: 12994 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. Yes	2419	25%
2	2. No	5868	60.5%
3	3. Not sure	1407	14.5%
Sysmiss		12994	

**S3BQ04\_1: 4. What was the main reasons why you want to get vaccinated?**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 2419 Invalid: 20269 Minimum: 1 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. Protecting my health is the reason	2149	88.8%
2	2. Protecting community's health	155	6.4%
3	3. Government mandate	51	2.1%
4	4. Required for school attendance	28	1.2%
5	5. Employer mandate	3	0.1%
6	6. Avoid public health measures for unvaccinated	3	0.1%
7	7. Take part in public life /social events	6	0.2%
8	8. Be able to travel	6	0.2%
9	9. People in my community/ family did it too	11	0.5%
10	10. Received financial or in-kind incentive	1	0%
11	11. Other(specify)	6	0.2%
Sysmiss		20269	

**S3BQ04\_2: 4. What was the main reasons why you want to get vaccinated?**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 70 Invalid: 22618 Minimum: 3 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 3 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. Protecting my health is the reason	0	0%
2	2. Protecting community's health	0	0%
3	3. Government mandate	37	52.9%
4	4. Required for school attendance	13	18.6%
5	5. Employer mandate	1	1.4%
6	6. Avoid public health measures for unvaccinated	6	8.6%
7	7. Take part in public life /social events	5	7.1%
8	8. Be able to travel	2	2.9%
9	9. People in my community/ family did it too	1	1.4%
10	10. Received financial or in-kind incentive	4	5.7%
11	11. Other(specify)	1	1.4%
Sysmiss		22618	

**S3BQ04\_OS: 4\_os. Please specify**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 22688 Invalid:  
 Type: Discrete Width: 22 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
		22681	100%
I am not available		2	0%
I can not get		1	0%
I do not want		1	0%
I fear to vaccin		1	0%
Never thought about it		1	0%
She is a student		1	0%

**S3BQ05\_1: 5. Why are you not sure or not planning to be vaccinated for COVID-19?**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 7279 Invalid: 15409 Minimum: 1 Maximum: 16  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 16 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. I don't think it will work	2271	31.2%
2	2. I am worried about the side effects	1337	18.4%
3	3. I already had COVID-19	38	0.5%
4	4. I am not worried at risk of contracting COVID-19	445	6.1%
5	5. I don't trust vaccines	547	7.5%
6	6. It is against my religion	568	7.8%
7	7. I am worried to get infected with COVID-19 at the health facility	44	0.6%
8	8. Health facility too far or too hard to get to	227	3.1%
9	9. It will take too long to get vaccinated/ I don't have time to get vaccinated	72	1%
10	10. I don't think the vaccines available in my country are effective	37	0.5%
11	11. I am not sure I will get the vaccine I want	102	1.4%
12	12. It's not a priority	276	3.8%
13	13. COVID-19 does not exist	861	11.8%
14	14. Medical reasons	96	1.3%
15	15. Distrust in government and health organizations	49	0.7%
16	16. Other (specify)	309	4.2%
Sysmiss		15409	

**S3BQ05\_2: 5. Why are you not sure or not planning to be vaccinated for COVID-19?**

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

**Overview**

Valid: 1165 Invalid: 21523 Minimum: 2 Maximum: 16  
 Type: Discrete Decimal: 0 Width: 2 Range: 2 - 16 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	1. I don't think it will work	0	0%

2	2. I am worried about the side effects	250	21.5%
3	3. I already had COVID-19	8	0.7%
4	4. I am not worried at risk of contracting COVID-19	44	3.8%
5	5. I don't trust vaccines	196	16.8%
6	6. It is against my religion	161	13.8%
7	7. I am worried to get infected with COVID-19 at the health facility	16	1.4%
8	8. Health facility too far or too hard to get to	30	2.6%
9	9. It will take too long to get vaccinated/ I don't have time to get vaccinated	26	2.2%
10	10. I don't think the vaccines available in my country are effective	25	2.1%
11	11. I am not sure I will get the vaccine I want	35	3%
12	12. It's not a priority	53	4.5%
13	13. COVID-19 does not exist	219	18.8%
14	14. Medical reasons	36	3.1%
15	15. Distrust in government and health organizations	37	3.2%
16	16. Other (specify)	29	2.5%
Sysmiss		21523	

### S3BQ05\_OS: 5\_os. Please specify

Data file: Ethiopia\_COVID19\_Vax\_Survey.dta

#### Overview

Valid: 22688 Invalid:

Type: Continuous Width: 42 Range: - Format: character

# Documentation

## Questionnaires

### COVID-19 Vaccination Module

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Title COVID-19 Vaccination Module  
Country Ethiopia  
Language English  
Filename Ethiopia\_COVID19\_Vax\_Qx.xlsx

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