

The Impact of COVID-19 on the Lives of Women in Ethiopia's Garment Industry: Evidence from Hawassa Industrial Park

Survey Instruments

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Please note that the descriptions of the survey instruments below represent an approximate, “easy to read” English version without appropriate skip patterns or constraints for validation. The final instruments in Amharic and original OpenDataKit files are available upon request.

Baseline Survey Online

Screening and Consent

- Have you ever worked in Hawassa Industrial Park (HIP)?
 - *If no*: End call
- Were you working in HIP in January 2020?
- Were you/are you working in HIP after January 2020?

Administer verbal consent if respondent was working in HIP in January 2020 or was employed after January 2020. Otherwise end the call.

Demographics and Socioeconomic Background

- What is your age in completed years?
- What is your native tongue?

◦ 1 Amharic	7 Somaligna	13 Gamoigna
◦ 2 Oromifa	8 Kembatigna	14 Gofaigna
◦ 3 Tigrigna	9 Hadigna	15 Welinega
◦ 4 Harari/Aderi	10 Wolaitigna	16 Kebena Gurage
◦ 5 Afarigna	11 Silitiga	17 Gedebano Gutazere
◦ 6 Guragigna	12 Dorzigna	666 Other
- Please consider the following list of health conditions: Cardiovascular diseases, diabetes, hepatitis B, chronic obstructive pulmonary disease, chronic kidney diseases, and cancer. How many of these conditions do you have?

◦ 0	2	4
◦ 1	3	5 or more
- What is the highest grade you completed? _____
 - Ethiopian LSMS/ESS answer choices
- What is your gender?
 - Male
 - Female
- Are you currently married or living together with a man/women as if married?
 - Yes, currently married
 - Yes, living with a man/women
 - No, not in union
- Are you currently receiving assistance from the government's rural or urban productive safety net program (PSNP). This could be direct support through cash transfers, in-kind hand-outs, or through public works.
 - Yes
 - No, but did in the past
 - No, never did
- Are you currently receiving any other assistance from the government in the form of cash or in-kind hand-outs?
 - Yes, specify _____
 - No, but did in the past
 - No, never did
- If you had to borrow 500 ETB from someone right now, how many people could you turn to?

Bi-Weekly Surveys¹

Current location

- Where are you currently living?
 - Specify city/sub-city/woreda/zone/kebele
- All things considered, is there another city/woreda/kebele you would rather move to than your current location?
 - *If yes:* What is this location
- What is/are the major barrier/s to move to your desired location? (select up to two most important)
 - Lack of money to travel
 - No transport options available
 - Do not feel safe because of health concerns
 - Do not feel safe because of harassment, violence, and discrimination
 - Lack of accommodation
 - Other (specify)
- When you came to Hawassa for this job, did you get an Hawassa Kebele ID?

Employment Status

- Are you currently still employed in Hawassa IP?
 - Yes, employed working
 - Yes, on paid leave from firm
 - Yes, on unpaid leave from firm
 - No longer employed: I decided to leave
 - No longer employed: I was terminated
- What is/was your position in HIP?
 - Operators
 - Line manager
 - Line supervisor
 - Supervisor
 - Guard
 - Cutter
 - Storekeeper
 - Other (specify)
- When was your last day of work?
- What was the name of the firm you last worked at?
- How long did you work in the park overall?
- When was your last day of work?
- How long will you be on paid leave for?
- How long will you be on unpaid leave for?
- Would you like to go back to work once the situation improves and if a job is available?
- Do you foresee any major barriers to you returning to work in the park? (select up to two most important)
 - Lack of money to travel
 - No transport options available
 - Do not feel safe because of health concerns
 - Do not feel safe because of harassment, violence, and discrimination
 - Lack of accommodation
 - Other (specify)
- What is the name of your firm?
- In the past two weeks, did you work the same number of days and hours as in the weeks before?
 - Yes
 - No, I worked less

¹ Including the first one administered at baseline

- ◊ *If no*: I chose to not go to work some days
- ◊ *If no*: The firm asked me to work fewer days or hours
- No, I worked more
- In the most recent pay period, what was your net pay from working in HIP?
- What time period did the most recent pay period cover?
- Was this more or less than in the previous pay period?

If not employed in HIP:

- During the last 7 days were you engaged in any kind of job or work for payment (including self-employment and family work for pay)?
- What are the terms of this employment?
 - 01 = Permanent Employment
 - 02 = Temporary Employment
 - 03 = Contract (Freelance) Work
 - 04 = Casual Worker (e.g. day laborer)
 - 05 = Self Employed, with employees
 - 06 = Self Employed, without employees
 - 07 = Paid work for the family
 - 08 = Apprentice
 - 09 = Member of cooperative
 - 10 = Other, specify:
- Where do you do this work?
 - 01 = Business house
 - 02 = Office
 - 03 = At home
 - 04 = On the street
 - 05 = Gulit/Open Market
 - 06 = Farm Area
 - 07 = Factory
 - 08 = Quarry/Mine
 - 09 = Construction Site
 - 10 = Workshop/Garage
 - 11 = On transport
 - 12 = Church
 - 13 = Hospital/Health center
 - 14 = Anywhere possible
 - 15 = Hotel
 - 16 = Restaurant/Cafe
 - 17 = Other Specify (if 'other')
- During the last two weeks, did you do anything to find a paid job or start a business for pay/profit?
- *If no*: Why not?
 - 1 Waiting for results of a previous search
 - 2 Awaiting recall from a previous job
 - 3 Waiting for the season to start
 - 4 Waiting to start new job or business
 - 5 Tired of looking for jobs, no jobs in area
 - 6 No jobs matching skills, lacks experience
 - 7 Considered too young/old by employers
 - 8 In studies, training
 - 9 Family / household responsibilities
 - 10 In agriculture / fishing for family use
 - 11 Own disability, injury, illness
 - 12 Retired, pensioner, other sources of income
 - 13 I'm going back to my family in the rural area
 - -666 Other (specify)

Food Security, Income, Consumption, Savings

- In the past 7 days, did you worry that you personally would not have enough food?
- In the past 7 days, how much income did you get from labor, including from wage employment, running your own business, casual labor, agricultural labor, or cash for work programs like PSNP? Report net income after taxes and exclude remittances.
- In the past 7 days, how much income did you receive from other sources (e.g. from friends and family sending or giving you money, receiving remittances, cash gifts, or other social programs)?
- In the past 7 days, how many birr were you able to save in some way? This could be informally (in cash at home, with family/friends, in an equib) or through a formal financial institution such as a bank.
- In the past 7 days, how many birr did you spend on food? *[Note to enumerators: Include food eaten communally in the household and that eaten by you separately. Include food eaten at home and outside of the house. For example: injera, cereals, potatoes, beans, lentils, nuts, vegetables, fruits, beef, eggs, fish, milk]*
- In the past month, how much did you spend on house rent?

Mental Health (PHQ-2)

- Over the past 2 weeks, how often have you been bothered by any of the following problems?
 - Little interest or pleasure in doing things
 - Not at all
 - Several days
 - More than half the days
 - Nearly every day
 - Feeling down, depressed, or hopeless
 - Not at all
 - Several days
 - More than half the days
 - Nearly every day

First-order Beliefs

- What do you think: should people in Hawassa/your Kebele cancel their participation at social gatherings because of the coronavirus right now? (Y/N)
- What do you think: should people in Hawassa/your Kebele not shake other people's hands because of the coronavirus right now? (Y/N)
- What do you think: should all shops in Hawassa/your Kebele other than particularly important ones, such as supermarkets, pharmacies, post offices, and gas stations, be closed because of the coronavirus right now? (Y/N)
- What do you think: should there be a general curfew in Hawassa/your Kebele (with the exception of grocery shopping, necessary family trips, and the commute to work) because of the coronavirus right now? (Y/N)

Second-order Beliefs²

- Please indicate how many percent of your community's residents in your opinion would agree with the following statements (*enumerator: for urban residents please say "in Hawassa"; for rural residents please say "in your Kebele"*):
 - How many of 100 people in Hawassa/your Kebele do you think believe that participation at social gatherings should be cancelled because of the coronavirus right now?
 - How many of 100 people in Hawassa/your Kebele do you think believe that one should not shake other people's hands because of the coronavirus right now?

² Only asked at baseline and endline.

- How many of 100 people in Hawassa/your Kebele do you think believe that all shops in your Hawassa/your Kebele other than particularly important ones, such as supermarkets, pharmacies, post offices, and gas stations, should be closed because of the coronavirus right now?
- How many of 100 people in Hawassa/your Kebele do you think believe there should be a general curfew in your Hawassa/your Kebele (with the exception of grocery shopping, necessary family trips, and the commute to work) because of the coronavirus right now?

Health Behaviors

- To what extent do the following statements describe your behavior for the past week? (does not apply at all, applies very much)
 - I stayed at home.
 - I did not attend social gatherings.
 - I kept a distance of at least two meters to other people.
 - If I had exhibited symptoms of sickness, I would have immediately informed the people around me.
 - I washed my hands more frequently than the month before.

Information

- How many people in Ethiopia do you think will be infected with coronavirus 1 month from now?
- Without looking it up, what is the official estimate of the number of people in Ethiopia who are currently infected with coronavirus?
- On a scale of 0 to 100, today, how likely do you think it is that you had or have the coronavirus and the disease that it causes? (0 = absolutely certain that you didn't or don't have the corona virus; 100 = absolutely certain that you had or have corona virus)
- Do you think that there are currently any medicines or therapies that can prevent coronavirus disease?
 - *If yes:* Please list what you think can prevent coronavirus disease?
- According to the World Health Organization, coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol-based rub frequently and not touching your face. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow). At this time, there are no specific vaccines or treatments for COVID-19. However, there are many ongoing clinical trials evaluating potential treatments.
- Would you like us to spread this medical expert message to your friends? We would tell them that you wanted them to hear the same medical expert recommendations. [Y/N]
 - *If yes:* Please give us the name and phone number of a friend we can spread this to.
- Do you want to stop receiving this or updated messages in following waves of this survey? [Y/N]

Rotating Questions

The following modules are administered at various points throughout the panel. Our paper provides a detailed discussion.

- Network
- Dating, Marriage, Fertility
- Empowerment and Aspirations
- Housing
- Perceived Problems in the Community
- Trust in Government
- Detailed Mental Health Assessment (PHQ-8)
- Economic Preferences
- Health and Safety

Network

- If we cannot reach you on your main phone number, is there any other number I can call?
- Is this your phone?
 - *If no*: What is the owner's relationship to you?

1 Father	9 Mother in law	17 Daughter
2 Mother	10 Brother	18 Niece/Nephew
3 grandparent	11 Sister	19 cousin
4 uncle	12 Brother in law	20 Other relative
5 aunt	13 Sister in law	21 Neighbor
6 Step father	14 Spouse/partner	22 friend
7 Step mother	15 Co-wife	-666 Other
8 Father in law	16 Son	
 - *If no*: What is the name of the owner?
- If we cannot reach you on these phone numbers, is there any other number I can call?
- Is this your phone?
 - *If no*: What is the owner's relationship to you?

1 Father	9 Mother in law	17 Daughter
2 Mother	10 Brother	18 Niece/Nephew
3 grandparent	11 Sister	19 cousin
4 uncle	12 Brother in law	20 Other relative
5 aunt	13 Sister in law	21 Neighbor
6 Step father	14 Spouse/partner	22 friend
7 Step mother	15 Co-wife	-666 Other
8 Father in law	16 Son	
 - *If no*: What is the name of the owner?

Dating, Marriage, Fertility

We would now like to speak about your romantic life over the past 30 days.

We would like to ask you about romantic propositions. These propositions could be you asking other people or other people asking you to become married, to begin living together as if married, to be girlfriend or boyfriend, or to engage in sexual intercourse. These propositions could come from other people asking you directly, you asking other people directly, or through your family members.

We would like to know more about each of those propositions that you may have received, over the past 30 days while you were not married or living together with someone as if married.

If female:

- Are you currently married or living together with a man as if married?
 - Yes, currently married
 - Yes, living with a man
 - No, not in union
- *If living with a man or currently married:* From how many other men (other than your partner), did you receive romantic propositions? [Answer = integer **P**]
- *If not in union:* From how many men, did you receive romantic propositions?
- Now I would like you to think about each of these **P** men from whom you received romantic propositions.

*For each **p** in 1 to **P**:*

- For proposer **p**, what was the main type of romantic proposition?
 - To become married
 - To live together as if married
 - For you to become his girlfriend
 - For you to engage in sexual intercourse
- For proposer **p**, did you accept this proposition? [Y/N]

If male:

- Are you currently married or living together with a woman as if married?
 - Yes, currently married
 - Yes, living with a woman
 - No, not in union
- *If living with a man or currently married:* How many other romantic propositions have you made (other than to your partner)? [Answer = integer **P**]
- *If not in union:* How many romantic propositions have you made?
- Now I would like you to think about each of these **P** women you made propositions to.

*For each **p** in 1 to **P**:*

- For proposee **p**, what was the main reason for this romantic proposition?
 - To become married
 - To live together as if married
 - For you to become her boyfriend
 - For you to engage in sexual intercourse
- For proposee **p**, was this proposition accepted? [Y/N]

Empowerment and Aspirations

Now I would like to get your opinion on some aspects of family life. Please tell me if you agree or disagree with each statement.

- The important decisions in the family should be made only by the men of the family. [strongly agree, agree, disagree, strongly disagree]
- The wife has the right to express her opinion even when she disagrees with what her husband is saying. [strongly agree, agree, disagree, strongly disagree]
- In your opinion, is a husband justified in hitting or beating his wife if she goes out without telling him? [strongly agree, agree, disagree, strongly disagree]
- In your opinion, is a husband justified in hitting or beating his wife if she refuses to have sex with him? [strongly agree, agree, disagree, strongly disagree]
- Do you expect to work for pay in a non-family enterprise (including your own business) in the future? [very likely, somewhat likely, somewhat unlikely, very unlikely]
- Do you see yourself continuing your education in the future? [very likely, somewhat likely, somewhat unlikely, very unlikely]

Housing

Now I'd like to ask you about your dwelling, that is the place where you usually live and sleep.

- How many other people sleep in the room where you sleep, excluding yourself?
- How many other people live and sleep in this dwelling, excluding yourself?
- What type of toilet facilities do you use in this dwelling?
 - Flush toilet Pit latrine, ventilated VIP
 - Pit latrine, with slab Pit latrine, without slab
 - Composting toilet Bucket
 - Field/forest Others (specify)
- Is this toilet facility shared with other households? [Y/N]
- Is there a place in your dwelling or yard/plot where household members can wash their hands?
 - Yes, in dwelling
 - Yes, in yard/plot
 - No
- The roof of the main dwelling is predominantly made of what material?
 - Corrugated iron sheet Concrete/Cement
 - Thatch Wood and mud
 - Bamboo/reed Plastic canvas
 - Asbestos Bricks
 - Other (specify)

Perceived Problems in the Community

- In your opinion, to what extent do you think that the following is a [major problem / minor problem / not a problem] in your community?
 - Not having enough to eat
 - Not having a safe place to sleep
 - Not having access to clean drinking water
 - Not have access to clean hygiene facilities
 - Not being/feeling physically safe
 - Being sick from coronavirus
 - Being sick from other diseases or illnesses

- Being sad, depressed, having anxiety, or depression
- Not being/feeling economically secure
- Not being able to go and visit friends and family
- Not being able to go to important cultural/religious events

Trust in Government

- How factually truthful do you think [____] has been about the coronavirus outbreak? [Very, somewhat, not at all]
 - The Ethiopian federal government
 - The SNNPR regional government
 - The local government in the woreda/kebele where you live
 - The church or mosque
 - The firms in Hawassa Industrial Park
- Please tell me on a score of 0 to 10 how much you personally trust [____] to take appropriate measures (including disseminating correct information and allocating available resources) to protect individuals from Coronavirus. 0 means you do not trust an institution at all, and 10 means you have complete trust.
 - The Ethiopian federal government
 - The SNNPR regional government
 - The local government in the woreda/kebele where you live
 - The church or mosque
 - The firms in Hawassa Industrial Park
- Do you think the reaction of your country's public is appropriate, too extreme, or not sufficient? [Much too extreme, somewhat extreme, appropriate, somewhat insufficient, not at all sufficient]
- How effective do you think are social distancing measures (e.g., through a general curfew) to slow down the spread of the coronavirus? [Not at all effective, not effective, neither, effective, very effective]

Detailed Mental Health Assessment (PHQ-8)

- How often have they been bothered by the following over the past 2 weeks? [Not at all, several days, more than half the days, nearly every day]
 - Little interest or pleasure in doing things?
 - Feeling down, depressed, or hopeless?
 - Trouble falling or staying asleep, or sleeping too much?
 - Feeling tired or having little energy?
 - Poor appetite or overeating?
 - Feeling bad about yourself — or that you are a failure or have let yourself or your family down?
 - Trouble concentrating on things, such as reading the newspaper or watching television?
 - Moving or speaking so slowly that other people could have noticed? Or being so fidgety or restless that you have been moving a lot more than usual?

Economic Preferences

- How do you see yourself: Are you a person who is generally willing to take risks, or do you try to avoid taking risks? Please use a scale from 0 to 10, where a 0 means you are “completely unwilling to take risks” and a 10 means you are “very willing to take risks”. You can also use the values in-between to indicate where you fall on the scale.
- In comparison to others, are you a person who is generally willing to give up something today in order to benefit from that in the future or are you not willing to do so? Please use a scale from 0 to 10, where a 0 means you are “completely unwilling to give up something today” and a 10 means you are “very willing to give up something today”. You can also use the values in-between to indicate where you fall on the scale.
- How well does the following statement describe you as a person? As long as I am not convinced otherwise, I assume that people have only the best intentions. Please use a scale from 0 to 10, where 0 means “does not describe me at all” and a 10 means “describes me perfectly”. You can also use the values in-between to

- indicate where you fall on the scale.
- How do you assess your willingness to share with others without expecting anything in return when it comes to charity? Please use a scale from 0 to 10, where 0 means you are “completely unwilling to share” and a 10 means you are “very willing to share”. You can also use the values in-between to indicate where you fall on the scale.

Health and Physical Safety

- During the past month, have you suffered from any illness or injury? [Y/N]
- In the past month, did you seek advice or treatment for any illness or injury? [Y/N]
- In the last two weeks, did anyone say bad things to you? [Y/N]
- In the last two weeks, did anyone threaten or attack you? [Y/N]