

Supplementary File 1. Questionnaire for households

My name is Girma Deboch Geleta, M.Sc candidate at MaddaaWalabu University. I am conducting a research entitled “A cross-sectional investigation of Latrine and pure water coverage and related factors among residence of Negele town, Arsi zone, southeast Ethiopia” together with Dr. Diriba Temesgen. The study is my MSc research project approved by Madda Walabu University Biology Department and Office of Post Graduate.

The study is expected to provide information on the Latrine and pure water coverage and related factors of the residents of the town which can be used by stakeholders to plan and take appropriate action(s). So, you are requested to provide genuine response to the given question so that correct information will be gathered. The information that you provide will be used only for the research purpose and kept confidentially. If you do not want to participate in this study for any reason, feel free to not to start or not to continue participating. Do not write your name on the questionnaire paper. Read the questions carefully and encircle the letters for multiple choice questions, and write your answer on the provided answer for open ended questions.

Thank you in advance for willing to participate in this study expending your precious time

April-May, 2018

1. Sex

A. Male

B. Female

2. How old are you?

A. 18-30

B. 31-40

C. 41-80

3 What is your administrative zone in Negele town?

- A. Easten
- B. Central
- C. Western

4. In which village are you living in Negele town?

- A. Sheep site
- B. Najate
- C. Center of town
- D. Central FTC
- E. Western Hindy
- F. Mosque area

5. What is your religion?

- A. Christian
- B. Muslim
- C. other

6. What is your educational status?

- A. No formal education (Illiterate)
- B. Primary (grade 1- 8)
- C. Secondary (9-12)
- D. Greater than grade 12

7. What is your marital status?

A. Single

B. Married

C. Widow

D. Divorced

8. What is your family size?

A. 1-4

B. 5-10

C. greater than 10

9. What is your occupation?

A. Farmer

B. Merchant

C. Governmental employee

D. Daily laborer

E. other

6. Have you a latrine?

A. Yes

B. .No

7. If your answer to Q6 is “NO” where do you and your family defecate?

- A. open spaces
- B. public toilet
- C. in bush
- D. in house fence
- E. any place as needed

8. If your answer to Q6 is “NO”, why didn’t you have latrine?

- A. I do not know the importance of latrine
- B. I have no enough land to build it
- C. I have no money to build it
- D/ other

9. If your answer to Q6 is “NO”, what problems had you faced due to your lack of latrine?

10. If your answer to Q6 “NO”, has anybody advised you to construct and use latrine? If yes who?

11. If your answer to Q6 “NO”, do you have a plan to construct and use latrine in the near future?

- A. Yes
- B. No

12. If you have latrine (if your answer to Q6 is “yes”) what is the number of people using it?

A. 1-5

B. 6-10

C. greater than 10

13. If you have latrine (if your answer to Q6 is “yes”), how far is your latrine from kitchen?

A. 2m-3m

B. 3-5m

C. 6m

D. greater than 6m

14. If you have latrine (if your answer to Q6 is “Yes”), does the latrine have roof?

A. Yes

B. No

15. If you have latrine (if your answer to Q6 is “yes”), does the latrine have door?

A. Yes

B. No

16. If you have latrine (if your answer to Q6 is “yes”), does the latrine have hole cover?

A. Yes

B. No

17. If you have latrine (if your answer to Q6 is “yes”), does the latrine have water supply to clean?

A. Yes

B. No

18. If you have latrine (if your answer to Q6 is “yes”), is there sewerage service in the town to clean it when it is full?

A. Yes

B. No

19. If you have latrine (if your answer to Q6 is “yes”), is there any time in the past when your latrine became full and overflow?

A. Yes

B. No

20. If your answer to Q19 is yes, what measure (s) did you take when your latrine is full and overflow?

21. If you have latrine, how do you rate it in general?

A. Clean, standardized and good for health

B. Usually dirty and unsuitable for health

22. Do you have pure drinking water source/tap water?

A. Yes

B. No

23. If your answer to 22 is "No", what source of water do you use?

24. If your answer to Q22 is "No", is your water source protected from possible contamination with human excreta?

A. Yes

B. No

25. Do you treat the non-tap water before drinking?

A/ yes using chemicals like " Bishangari or wuha agar"

B Yes, I boil it

C/No

26. Do you know drinking impure water causes health problem?

A. Yes

B. No

27. Have you or members of your family ever been sick due to drinking impure water?

A. Yes

B. No