

QUESTIONNAIRE

QUESTIONNAIRE ON UNUSED/EXPIRED DRUG DISPOSAL PRACTICES AMONG HOUSEHOLDS IN NSAWKAW, TAIN DISTRICT

Dear Respondent,

My name is Yaa Gyaa Fynn, an MPH student at the Faculty of Health and Allied Sciences in Catholic University College of Ghana, Fiapre. You are free to participate in this academic research study on: “**Unused/Expired Drug Disposal Practices among Households in Nsawkaw, Tain District**”.

Assurance of Anonymity: Please, this work is research carried out mainly for academic purposes. The dissertation is to be submitted in partial fulfillment for the award of MPH at Catholic University College of Ghana. Your help and assistance in answering these questions will be valuable for the research.

If you agree to participate, all the information you provide will be completely anonymous and confidential.

Date: ____/____/20____

Electoral Area _____

Name of Enumerator: _____

SECTION A: DEMOGRAPHIC CHARACTERISTICS

Instruction:

Read the following statements below carefully and then tick [☒] in the box corresponding to the best response that applies to you or fill in the blank in each of the statement

1. Age: _____
2. Gender: Male [☐] Female [☐]
3. Marital Status: Married [☐] Divorced [☐] Widowed [☐] Single [☐] Separated [☐]
4. Educational Level: No Formal Education [☐] Basic (Primary & JHS) [☐] Secondary [☐] Tertiary [☐] Vocational Training [☐]
5. Occupational Status/ Employment: Unemployed [☐] Government sector [☐] Private sector [☐] Trader/Businessman [☐] Farmer [☐] House Wife [☐]
6. Income: Below GHS 100 [☐] GHS 100-400 [☐] GHS 500-900 [☐] GHS 1,000-1,400 [☐] Above 1,500 [☐]
7. Religion: Christian [☐] Muslim [☐] Traditionalist [☐] Others(specify).....

8. How many are you in your household: <2 [] 2-4 [] 5-6 [] >7 []
9. Are there any members of the family below 18 years? Yes [] specify..... No []
10. Are there any members of the family above 55years? Yes [] specify..... No []

SECTION B: HOUSEHOLD KNOWLEDGE ON UNUSED/EXPIRED DISPOSAL PRACTICES

Instruction: Read the statements below carefully and then indicate [✓] in the box corresponding to whether you use the methods below or fill in the blank.

11. Where do you normally go to first when you are not feeling well?
- a) Hospital []
- b) Community pharmacy []
- c) Chemical seller []
- d) Herbal shop []
12. Have you ever had any expired/unused drugs in your household?
- a) Yes []
- b) No []
13. Have you ever disposed of unused/expired drugs from your household?
- a) Yes []
- b) No []
14. Has any health worker guided you before on how to dispose of unused/expired drugs from your household at the time of dispensing?
- a) Yes []
- b) No []
15. Do you know about unused/expired drugs as medical waste?
- a) Yes []
- b) No []
16. Are you aware of unused/expired drug disposal instructions on patients' leaflets?
- a) Yes []
- b) No []
17. Improper disposal of unused/expired drugs can affect the environment and health.

a) Yes []

b) No []

18. Which of these do you think is the best disposal method for unused/expired drugs

a) Throw in garbage []

b) Flush down toilet or sink []

c) Returning it to the Pharmacy []

d) Burning []

e) Deposit into Hazardous waste facility []

f) Never dispose []

g) Give to friends/family []

h) Throw into gutter/drain []

SECTION C: HOUSEHOLD METHOD OF UNUSED/EXPIRED DISPOSAL

Instruction: Read the statements below carefully and then indicate [✓] in the box corresponding to whether you use the methods below.

19. How do you dispose of unused/expired drugs in your household?

a) Throw away unused/expired drugs in household garbage []

b) Flush unused/expired drug down the toilet or sink []

c) Deposit to a hazardous waste collection facility []

d) Give unused/expired drugs to family/friends []

e) Return unused/expired drugs to a pharmacy []

f) Store for future use []

g) Used all medications (no need to dispose) []

h) Bury in the soil []

i) Burning []

j) Other

20. Respondent's degree of confidence in various disposal methods

a) A secure lock box behind the hospital's pharmacy is a safe way to dispose of unused/expired drugs []

b) A secure lockbox transported by a law officer is a safe way to dispose of unused/expired drugs []

- c) A secure lockbox in doctor's office is a safe way to dispose of unused/expired drugs []
- d) A mail-back program to pharmacies is a safe way to dispose of unused/expired drugs []
- e) Neighborhood collection by EPA is a safe way to dispose of unused/expired drugs []
- f) Grinding/mixing medications with dirt, etc. is a safe way to dispose of unused/expired drugs []
- g) Burning is a safe way to dispose of unused/expired drugs []
- h) Throw away in garbage is a safe way to dispose of unused/expired drugs []
- i) Flushing down sink/toilet is a safe way to dispose of unused/expired drugs []
- j) Hazardous waste site/Other licensed site is a safe way to dispose of unused/expired drugs []
- k) Bury is a safe way to dispose of unused/expired drugs []
- l) Fire station/police is a safe way to dispose of unused/expired drugs []
- m) Finish the medication is a safe way to dispose of unused/expired drugs []
- n) Other

21. Who is responsible for safe unused/expired drug disposal

- a) The pharmaceutical companies []
- b) The pharmacies that dispense []
- c) The doctors and other health care []
- d) Water or wastewater treatment agencies []
- e) The Environmental Protection Agency []
- f) The Department of Public Health []
- g) The police or sheriff's department []
- h) The respondent []

22. Number of medications respondent's household members have

- a) 0 []
- b) 1 []
- c) 2 []
- d) 3 []
- e) 4 []
- f) 5+ []

23. Number of medications household members take on a regular basis

- a) 0 []
- b) 1 []
- c) 2 []
- d) 3 []
- e) 4 []
- f) 5+ []

24 . Longest time respondent has stored expired medications (months)

- a) 1 []
- b) 2 []
- c) 3 []
- d) 4 []
- e) 5+ []

SECTION D: HOUSEHOLD REASONS BEHIND METHOD OF UNUSED/EXPIRED DISPOSAL

Instruction: Read the statements below carefully and then indicate [✓] in the box corresponding to whether you use the methods below.

25 . Should unused/expired drugs be disposed of properly?

- a) Yes []
- b) No []

26 . Reason(s) respondent might not want to return unused/expired drugs to the pharmacy

- a . Privacy breach []
- b . Potential re-use by others []
- c . Resale by pharmacy []
- d . Do not have specific reasons []

e . Not sure []

f . Other

27 . Potential negative consequences of keeping unused/expired drugs

a . Accidental use or misused by someone else in the household []

b . Children could take them []

c . Diminished or unpredictable effects []

d . Storage space/clutter[]

e . Other

28 . Reason(s) unused/expired drugs should be disposed of appropriately:

a) Unused/expired drugs are stronger []

b) Safety reasons []

c) Environmental reasons []

d) Other

29. What are the reason(s) behind the selected method of disposal

a) Inadequate knowledge []

b) Perception []

c) Drug dosage form []

d) Unavailability of protocol for proper disposal method []

e) Information from drug advertisement []

f) Instructions by manufacturers on leaflets in patient packages []

g) Instructions by health personnel []

h) Other.....

THANK YOU