



Data Puzzle in Ghana's Water & Sanitation Sector

at

Coconut Groove Regency Hotel, Accra

by

Peter Takyi Peprah
(Ghana Statistical Service)

29th March,

2015



Key message

- Information on water and toilet facilities are collected using nationally representative household surveys
- The core questions to measure MDG indicators are always asked as part of housing characteristics in all household surveys



Reporting statistics(on water)

- For instance, 73% of Ghana's population **use** improved drinking water



Reporting statistics (on water)

- The proportion of the population that use improved drinking water is what the MDGs indicator is interested in.
- How do we arrive at this?



Questions on source of water

- What is the **main** source of drinking water for members of your households? (2008 GDHS)

PIPED WATER

PIPED INTO DWELLING/INDOOR1

PIPED TO YARD/PLOT2

PUBLIC TAP/STANDPIPE3

TUBE WELL OR BOREHOLE4

DUG WELL

PROTECTED DUG WELL5

UNPROTECTED DUG WELL6

WATER FROM SPRING

PROTECTED SPRING7

UNPROTECTED SPRING.....8

RAINWATER9

TANKER TRUCK10

CART WITH SMALL TANK11

SURFACE WATER12

BOTTLED WATER.....13

SACHET WATER.....14

OTHER (specify)15



Questions on source of water

2008 GDHS

- What is the **main** source of water used by your household for other purposes such as cooking and hand washing?

PIPED WATER

PIPED INTO DWELLING/INDOOR	1
PIPED TO YARD/PLOT	2
PUBLIC TAP/STANDPIPE	3

TUBE WELL OR BOREHOLE	4
-----------------------------	---

DUG WELL

PROTECTED DUG WELL	5
UNPROTECTED DUG WELL	6

WATER FROM SPRING

PROTECTED SPRING	7
UNPROTECTED SPRING.....	8

RAINWATER	9
-----------------	---

TANKER TRUCK	10
--------------------	----

CART WITH SMALL TANK	11
----------------------------	----

SURFACE WATER	12
---------------------	----

BOTTLED WATER.....	13
--------------------	----

SACHET WATER.....	14
-------------------	----

OTHER (specify)	15
-----------------------	----

2008 Baseline survey MiDA programme

- Question on quantity
- How much water does your household use a day?

QUANTITY:



UNITS: Litres-----1

Gallons-----2

Bucket (No.34)--3





Questions on source of water

Question on distance (walking time and/or means of getting water)

2008 Baseline survey MiDA programme

2008 GDHS

- Where is that water source located?

IN OWN DWELLING-----1

IN OWN YARD/PLOT-----2

ELSEWHERE -----3



- How long does it take to go there, get water, and come back?

Minutes-----



- How far is this source of water from your dwelling?

NUM

DISTANCE UNIT

DRINKING:



GENERAL USE:



DISTANCE CODES

In house-----0

Yard-----1

Metre-----2

Kilometre-----3

Mile-----4



Questions on source of water

Distance (walking time and/or means of getting water)

- CWIQ 1997 & 2003
- How long in minutes does it take from here to reach the nearest supply of drinking water? (shade accordingly)

0-14 

15-29 

30-44 

45-59 

60+ 

- By what means ?

Vehicle 

Motorcycle 

Bicycle 

Foot 

Animal 

Canoe/boat 



Questions on source of water

2008 Baseline survey MiDA programme

- How regular is your source of water supply?

Time Unit

Number:

Time Unit

All the time.....1

Daily-----2

Weekly-----3

Monthly-----4

Quarterly-----5

Half yearly-----6

Yearly-----7



Reporting statistics (toilet facility)

- The proportion of the population that use improved sanitation (toilet facility) is what the MDGs indicator is interested in.
- How do we arrive at this?



Reporting statistics (toilet facility)

- 12% of Ghana's population **use** improved toilet facility



Questions on toilet facility

What kind of toilet facility do members of your household usually use?

Flush or pour flush toilet

- Flush to piped sewer system.....1
- Flush to septic tank.....2
- Flush to pit latrine3
- Flush to somewhere else.....4
- Flush, don't know where5

Pit latrine

- Ventilated improved pit latrine.....6
- Pit latrine with slab.....7
- Pit latrine without slab/open pit8

Bucket/pan9

Composting toilet.....10

No facility/bush/field11

Other (specify)12



Questions on toilet facility

Apart from the option: No facility/bush/field

Any other response is followed with

Do you share this toilet facility with other households?

Yes-----1

No-----2





Questions on toilet facility

If **Yes** to the preceding question,

How many households use this toilet facility?





The End!

Thanks For Your Attention