

Supplementary appendix 2. 'Improved' or 'unimproved' classification of census responses to questions on household characteristics.

Household characteristic	Census response	
	'improved'	'unimproved'
Dwelling type	Compound house (rooms) Flat/Apartment Semi-detached house Separate house	Huts/Buildings (different compound) Huts/Buildings (same compound) Improvised home (kiosk/container, etc.) Living quarters attached to office/shop Tent Uncompleted building Other
Drinking water source	Bore-hole/Pump/Tube well Bottled water Pipe-borne inside dwelling Pipe-borne outside dwelling Protected spring Protected well Public tap/Standpipe Sachet water	Dugout/Pond/Lake/Dam/Canal Rainwater River/Stream Tanker supply/Vendor provided Unprotected spring Unprotected well Other
Water source	Bore-hole/Pump/Tube well Pipe-borne inside dwelling Pipe-borne outside dwelling Protected spring Protected well Public tap/Standpipe	Dugout/Pond/Lake/Dam/Canal Rainwater River/Stream Tanker supply/Vendor provided Unprotected spring Unprotected well Other
Toilet facilities	KVIP Pit latrine W.C.	Bucket/Pan Public toilet (WC, KVIP, Pit, Pan, etc.) No facilities (bush/beach/field) Other
Solid waste disposal	Collected Public dump (container) Public dump (open space)	Buried by household Burned by household Dumped indiscriminately Other
Liquid waste disposal	Through drainage into a pit (soak away) Through drainage system into a gutter Through the sewerage system	Thrown into gutter Thrown onto compound Thrown onto the street/outside Other
Cooking fuel use	Electricity Gas Kerosene	Animal waste Charcoal Crop residue Saw dust Wood None, no cooking Other
Lighting source	Electricity (mains) Electricity (private generator) Solar energy	Candle Crop residue Firewood Flashlight/Torch Gas lamp Kerosene lamp Other
Floor material	Burnt brick Cement/Concrete Ceramic/Porcelain/Granite/Marble tiles Stone Terrazzo/Terrazzo tiles Vinyl tiles	Earth/Mud Wood Other
Roof material	Cement/Concrete Metal sheet Roofing tile Slate/Asbestos	Bamboo Mud/Mud bricks/Earth Thatch/Palm leaf or Raffia Wood Other
Wall material	Burnt bricks Cement blocks/Concrete Landcrete Metal sheet/Slate/Asbestos Stone	Bamboo Mud brick/Earth Palm leaf/Thatch (grass)/Raffia Wood Other