

Supplementary Table 1. Sub-score classification. Variables used to create JMP-CS and National-CS water, sanitation and hygiene sub-scores which values were classified as “improved” or “not improved”.

JMP-CS	Water Sub-Score			
	Improved		Not Improved	
	Baseline	Follow-Ups	Baseline	Follow-Ups
<i>Main source of water</i>	Piped into dwelling Piped into yard/plot Tube well or borehole Pumping well Rainwater Tanker truck or water vendor Bottled water	Piped into dwelling Piped into yard/plot Public tap/standpipe Tube well or borehole Protected dug well Rainwater Protected spring Bottled water Tanker truck or water vendor	Dug well River/dam/stream/lake/pond/ canal/irrigation channel Don't know	Unprotected dug well River/dam/stream/lake/pond/ canal/irrigation channel Unprotected spring Don't know
<i>Location of water source</i>	In own dwelling In own yard/plot	In own dwelling In own yard/plot	Shared with neighbour Public place Don't know	Elsewhere Don't know
National-CS				
<i>Main source of water</i>	Piped into dwelling Piped into yard/plot Tube well or borehole Pumping well Rainwater	Piped into dwelling Piped into yard/plot Public tap/standpipe Tube well or borehole Protected dug well Rainwater Protected spring	Dug well River/dam/stream/lake/pond/ canal/irrigation channel Tanker truck or water vendor Bottled water Don't know	Unprotected dug well River/dam/stream/lake/pond/ canal/irrigation channel Unprotected spring Bottled water Tanker truck or water vendor Don't know
<i>Location of water source</i>	In own dwelling In own yard/plot	In own dwelling In own yard/plot	Shared with neighbour Public place Don't know	Elsewhere Don't know
<i>Frequency of water treatment</i>	Yes	Yes always	No Sometimes Don't know	No Yes sometimes Don't know

<i>Method used to treat the water</i>	Boil Bleach Stain Water filter Solar	Boil Bleach chlorine Strain through a cloth Ceramic filter Solar	With Alum Stand and settle Don't know	Stand and settle Don't know
<i>Frequency of child's water treatment</i>	Yes	Yes always	No Sometimes Don't know	No Yes sometimes Don't know
Sanitation Sub-Score				
Improved		Not improved		
JMP-CS	Baseline	Follow-ups	Baseline	Follow-ups
<i>Type of toilet</i>	In-house Outhouse	Flush/pour flush toilet flush to piped sewer system		
		Flush/pour flush toilet flush to septic tank		Pit latrine without slab/open pit
		Flush/pour flush toilet flush to pit latrine	Share Public	Bucket toilet
		Flush/pour flush toilet flush to somewhere else	Dry Field/forest	Hanging toilet Field/forest
		Flush/pour flush toilet flush don't know where	Refuse to respond Don't know	Refuse to respond Don't know
		Ventilated improved pit latrine		
		Pit latrine with slab Composting toilet		
<i>Strategy used to dispose child excreta</i>	Child used toilet/latrine Thrown by caretaker in toilet/latrine Buried	Child used toilet/latrine Thrown by caretaker in toilet/latrine Buried	Thrown into drain or ditch Thrown into garbage Left in open Refuse to respond Don't know	Thrown into drain or ditch Thrown into garbage Left in open Refuse to respond Don't know
National-CS				
<i>Type of toilet</i>	In-house	Flush/pour flush toilet flush to piped sewer system	Share Public	Pit latrine without slab/open pit
	Outhouse	Flush/pour flush toilet flush to septic tank	Dry Field forest	Bucket toilet Hanging toilet

		Flush/pour flush toilet flush to pit latrine Flush/pour flush toilet flush to somewhere else Flush/pour flush toilet flush don't know where Ventilated improved pit latrine Pit latrine with slab Composting toilet	Refuse to respond Don't know	Field/forest Refuse to respond Don't know
<i>Strategy used to dispose child excreta</i>	Child used toilet/latrine Thrown by caretaker in toilet/latrine	Child used toilet/latrine Thrown by caretaker in toilet/latrine	Thrown into drain or ditch Thrown into garbage Buried Left in open Refuse to respond Don't know	Thrown into drain or ditch Thrown into garbage Buried Left in open Refuse to respond Don't know
Hygiene Sub-Score				
	Improved		Not improved	
JMP-CS	Baseline	Follow-ups	Baseline	Follow-ups
<i>Washes hands after cleaning the child's bottom and/or after moving faeces</i>	Yes, after cleaning the child, Yes, after moving the faeces	Yes, after cleaning the child Yes, after moving the faeces	No	No
National-CS				
<i>Washes hands after cleaning the child's bottom and/or after moving faeces</i>	Yes, after cleaning the child, Yes, after moving the faeces	Yes, after cleaning the child Yes, after moving the faeces	No	No