

## SUPPLEMENTARY MATERIALS

for

**Protecting the safe water chain in refugee camps: An exploratory study of water handling practices, chlorine decay, and household water safety in South Sudan, Jordan, and Rwanda**

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*Number of supplementary files: 3 (1 table, 2 figures)*


*Table S1:* Photographs from field sites illustrating the categories for container cleanliness, covering, drawing method, and storage in direct sunlight. (Photo credits: Syed Imran Ali).

Site	Behavior Demonstrated	Image
South Sudan	Clean, Covered	 A photograph showing two white plastic water jugs. The jug in the foreground is the primary focus; it is clean, covered with a clear plastic sheet, and has a blue cap with a white spout. It sits on a dark, textured surface, possibly mud or wet earth. Another similar jug is partially visible to the left.

South Sudan


Clean, Uncovered



Site	Behavior Demonstrated	Image
South Sudan	Covered	 A photograph of a white plastic bucket with a lid, sitting on a surface of cracked, dry earth. The bucket has the UNHCR logo and the text 'The UN Refugee Agency' printed on it in blue. The lid is slightly off-center, and the bucket appears to be full or nearly full of water, as evidenced by the wet, dark surface around its base.



Site	Behavior Demonstrated	Image
South Sudan	Uncovered	 A photograph of a bright green plastic bucket filled with clear water. The bucket is suspended by several thick, light-brown ropes that are attached to its rim and extend upwards. The bucket is positioned on a wet, muddy ground. The water inside the bucket is still, reflecting the surrounding environment. The background shows a rough, outdoor setting with some wooden planks and more ropes.

Site	Behavior Demonstrated	Image
South Sudan	Unclean	

South Sudan


Uncovered, unclean






Site	Behavior Demonstrated	Image
South Sudan	Drawing Method - Dip	 A close-up photograph showing a person's hand dipping a white plastic cup into a large green plastic tub filled with water. The water is splashing slightly as the cup is lowered. The background shows a sandy ground and the feet of other people, suggesting an outdoor setting.



Site	Behavior Demonstrated	Image
South Sudan	Drawing Method - Pour	 A close-up photograph showing a person's hand pouring water from a large green plastic basin into a white plastic cup. The water is splashing slightly as it enters the cup. The background is a light-colored, sandy or dusty ground.

Site	Behavior Demonstrated	Image
South Sudan	Drawing Method - Tap	

Jordan  
(2014)

Clean, Covered





Jordan  
(2014)

Covered



Jordan  
(2014)

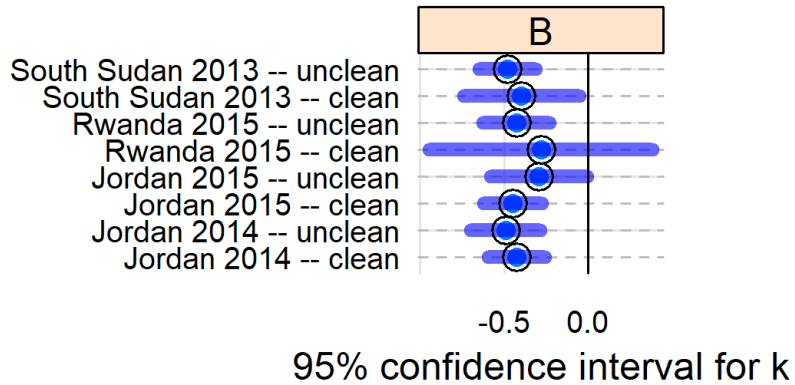
Uncovered



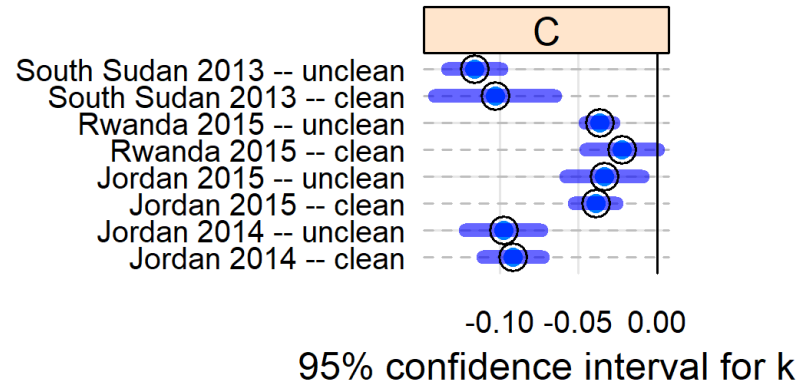
Site	Behavior Demonstrated	Image
Rwanda	Uncovered	



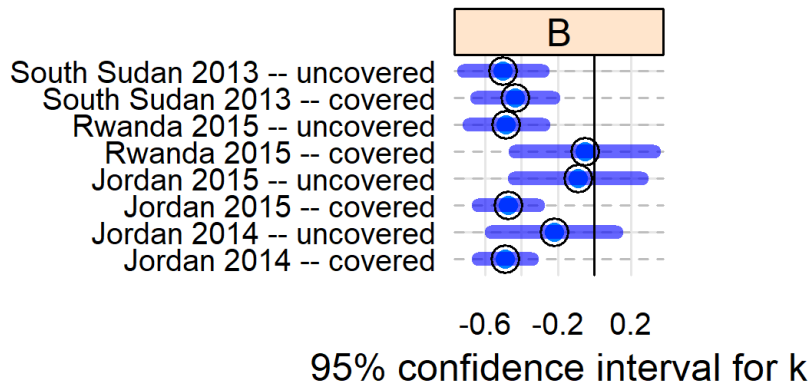
## Container cleanliness



## Container cleanliness



## Container covering



## Container covering

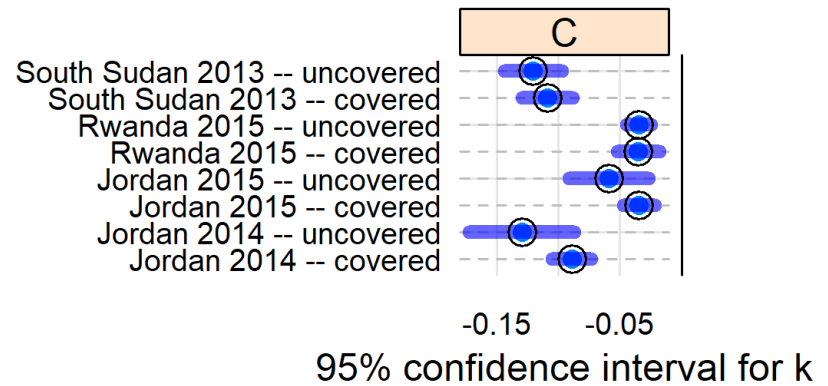


Figure S1: Estimated decay rates,  $k$ , with confidence intervals from the linear mixed effects model for container cleanliness and container covering in phases B (collection and transport) and C (storage and use).

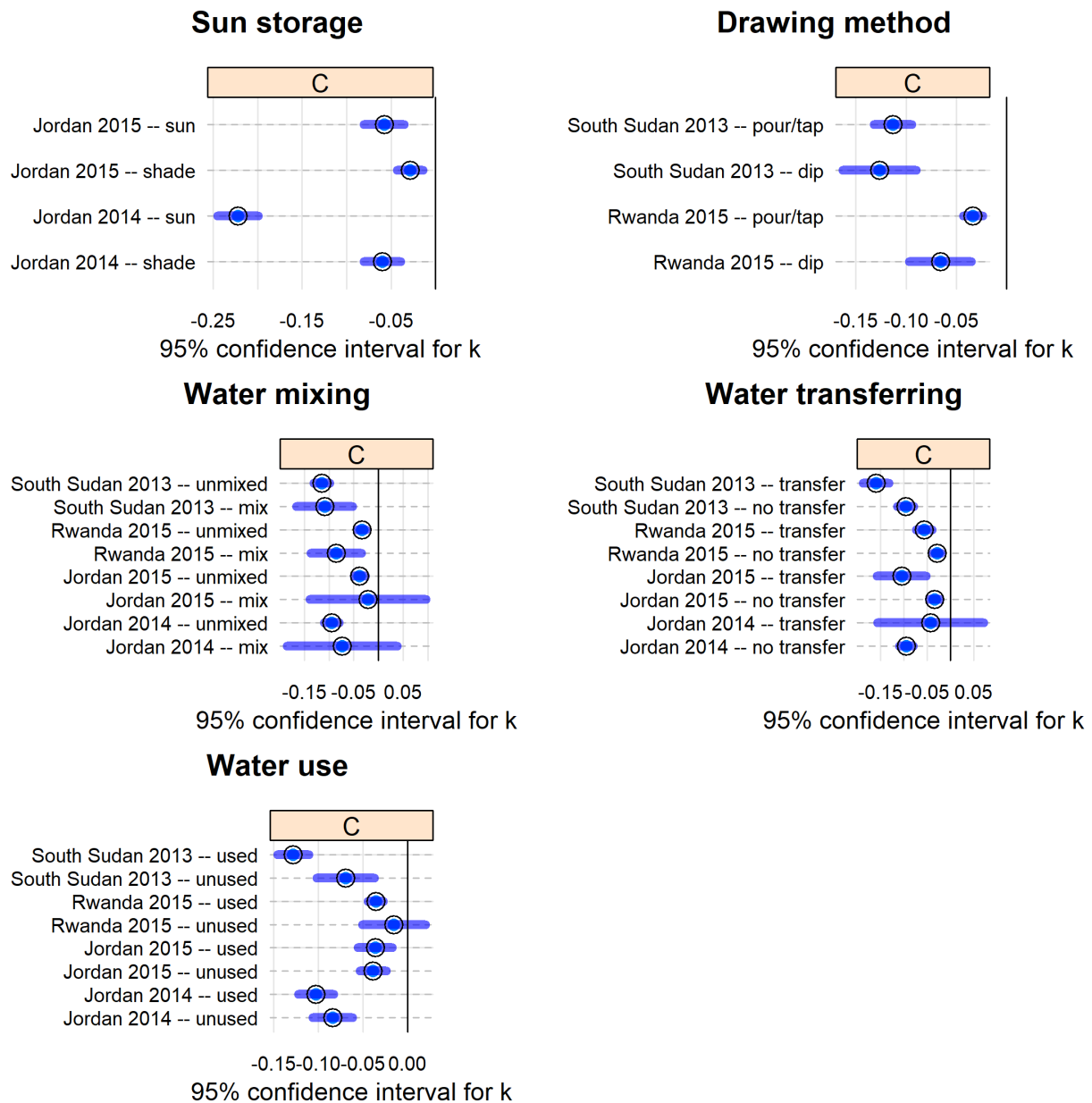


Figure S2: Estimated decay rates,  $k$ , with confidence intervals from the linear mixed effects model for sun storage, drawing method, water mixing, water transferring, and water during phase C (storage and use).