COVID-19 lockdowns: Linkages between lockdown-induced employment disruptions, water access and hygiene practices in informal settlements of Nairobi

Nupur Joshi, Sara Lopus, Corrie Hannah, Kacey Ernst, Aminata Kilungo, Julia Davies and Tom Evans
Adolescents in Nairobi’s slums are being hit hard by COVID-19 measures.

Covid-19: Nairobi’s slums could explode any time
UN Habitat warned pandemic is likely to hit the vulnerable people hardest.

Beyond handwashing: Water insecurity undermines COVID-19 response in developing areas
Justin Stoetu1, Wendy E Jepson1, Amber Wutich4
<table>
<thead>
<tr>
<th>Formal water sources (4%)</th>
<th>Informal water sources (96%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kiosks maintained by community youth group</td>
<td>Tap-points on road transects</td>
</tr>
<tr>
<td>Kiosks maintained by NGOs</td>
<td>Tanker-trucks</td>
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<tr>
<td>Government boreholes</td>
<td>Yard shared tap-points</td>
</tr>
</tbody>
</table>
What was the relationship between employment disruptions during the first lockdown period (April - June 2020) and household ability to afford water?

- Small business shutdown
- Reduction in work hours
- Found alternate employment

Household ability to afford water
What role did water availability and household ability to afford water play in maintaining hygiene practices during the lockdown?
+ Employment loss ↓ Water affordability

+ Water affordability ↑ Hygiene score

+ Water availability ↑ Hygiene score

+ Tap-points ↑ Hygiene score

- Water collection ↓ Hygiene score

- HH density ↓ Hygiene score

**Limitations**

- Doesn’t take into account seasonal rainfall variations

- No before & after comparison – 2019 questions have a different recall period than 2020 survey questions
Thank you! Feedback and questions welcome!

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