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### Availability of data and materials

The data sets analyzed during this study is available from Kano State Polio Emergency Operations Centre, Ministry of Health Kano, Kano State. The data is available from Imam Wada Bello.

### About this supplement

This article has been published as part of BMC Public Health Volume 18 Supplement 4, 2018: Experiences and lessons learned in polio eradication in Nigeria. The full contents of the supplement are available online at https://bmcpublichealth.biomedcentral.com/articles/supplements/volume-18-supplement-4.

### Authors' contributions

BA was the lead author, participated in data analysis and wrote the drafts. PN and SA supported in formulating the study design and reviewed the initial drafts. FB, CK, USA, and FS participated in the development of health facility and cold store questionnaires. KIG supported advocacy data collection. SB reviewed and participated in the analysis of data on advocacy. IWB provided the data on switch validation. SH participated in training of monitors and field supervision of health facility data collection. AM and AN participated in the review of the manuscripts. RB and SGT reviewed the draft, participated in data analysis and tracked the implementation of editors' corrections of the drafts. All authors read and approved the final manuscript.

# Ethics approval and consent to participate Not Applicable.

The data analyzed for this study was collected as part of the Synchronized tOPV/bOPV switch implementation by the Kano state ministry of health. Selected facilities were visited by the validators to collect the relevant information pertaining to the switch, including interviews with health workers. The Kano State Ministry of Health Ethics Committee on Research considered that the study does not involve human or animal samples, invasive or any other manipulative procedures.

### Consent for publication

Not applicable

Data does not include identifiable individual information (names, pictures etc). The health workers freely participated as part of program information collection to be analyzed and used.

## Competing interests

The authors declare that they have no competing interests.

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