CONSORT-EHEALTH Checklist V1.6.2 Report	Manuscript Number	3731
pased on CONSORT-EHEALTH V1.6), available at [http://tinyurl.com/consort-ehealth-v1-6].		
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Iohammad Habibur Rahman Sarker		
CKD awareness campaign and mHealth education to improve knowledge, quality of life, and motivation for a healthy lifestyle among CKD patients in angladesh: A randomized controlled trial.		
a-i) Identify the mode of delivery in the title CKD awareness campaign and mHealth education to improve knowledge, quality of life, and motivation for a healthy lifestyle among CKD patients in		
angladesh: A randomized controlled trial. a-ii) Non-web-based components or important co-interventions in title		
a-iii) Primary condition or target group in the title		
hronic Kidney Diseases patients		
BSTRACT b-i) Key features/functionalities/components of the intervention and comparator in the METHODS section of the ABSTRACT		
dults individual with CKD (stages 1-3) were enrolled in November 2020 and randomly assigned to one of two groups: intervention or control. The tervention group received health education through a CKD awareness campaign and mHealth technologies, whereas the control group received standard eatment, and was observed for 6 months	1	
b-ii) Level of human involvement in the METHODS section of the ABSTRACT		
b-iii) Open vs. closed, web-based (self-assessment) vs. face-to-face assessments in the METHODS section of the ABSTRACT		
b-iv) RESULTS section in abstract must contain use data		
b-v) CONCLUSIONS/DISCUSSION in abstract for negative trials		
ITRODUCTION a-i) Problem and the type of system/solution		
es, we did not face any problem		
a-ii) Scientific background, rationale: What is known about the (type of) system (es. CKD education in the early stages could be an integral part of patient management and reduction of the related risk factors, slowing down the rogression of the disease, and the need for such education is greater in rural and peri-urban areas		
ioes your paper address CONSORT subitem 2b? es. the present study aims to evaluate the outcome of a health education intervention designed to enhance knowledge, health-related QOL, nd motivation about healthy lifestyle among rural and peri-urban adults suffering from CKD (stage 1-3).		
IETHODS a) CONSORT: Description of trial design (such as parallel, factorial) including allocation ratio		
his study was a community-based, single-centered, prospective, open-label, two-arm (1:1), randomized control trial. b) CONSORT: Important changes to methods after trial commencement (such as eligibility criteria), with reasons		
lo, we did not made any changes after trial commencement. b-i) Bug fixes, Downtimes, Content Changes		
a) CONSORT: Eligibility criteria for participants		
a-j Computer / Internet literacy a-j Computer / Internet literacy		
a-ii) Open vs. closed, web-based vs. face-to-face assessments: es (mobile based) health education was provided. a-iii) Information giving during recruitment		
b) CONSORT: Settings and locations where the data were collected		
Airjzapur subdistrict, Tangail, Bangladesh		
b-i) Report if outcomes were (self-)assessed through online questionnaires lealth education was provided through mHealth		
b-ii) Report how institutional affiliations are displayed		
OCONSORT: Describe the interventions for each group with sufficient details to allow replication, including how and when they were actually dministered i-i) Mention names, credential, affiliations of the developers, sponsors, and owners		
-ii) Describe the history/development process		
-lii) Revisions and updating		
-iv) Quality assurance methods		
-v) Ensure replicability by publishing the source code, and/or providing screenshots/screen-capture video, and/or providing flowcharts of the		
lgorithms used		
-vi) Access		
lot applicable as the participants did not need access to platform or internet. -viii) Mode of delivery, features/functionalities/components of the intervention and comparator, and the theoretical framework		
lealth education for CKD patients -ix) Describe use parameters		
-x) Clarify the level of human involvement		
-xi) Report any prompts/reminders used es, we have called all the participants.		
-xii) Describe any co-interventions (incl. training/support)		
(es, training was provided to the community health workers a) CONSORT: Completely defined pre-specified primary and secondary outcome measures, including how and when they were assessed		
(es, primary and secondary outcomes were well defined. ia-i) Online questionnaires: describe if they were validated for online use and apply CHERRIES items to describe how the questionnaires were lesigned/deployed		
a-ii) Describe whether and how "use" (including intensity of use/dosage) was defined/measured/monitored		

6b) CONSORT: Any changes to trial outcomes after the trial commenced, with reasons Mirjzapur subdistrict, Tangail, Bangladesh 7a) CONSORT: How sample size was determined 7a-i) Describe whether and how expected attrition was taken into account when calculating the sample size 7b) CONSORT: When applicable, explanation of any interim analyses and stopping guidelines , primary and secondary outcomes were well defined. 8a) CONSORT: Method used to generate the random allocation sequence Permuted block randomization technique was performed using a block size of six based on a computer-generated random number sequence. 8b) CONSORT: Type of randomisation; details of any restriction (such as blocking and block size) Permuted block randomization technique was performed using a block size of six based on a computer-generated random number sequence.

9) CONSORT: Mechanism used to implement the random allocation sequence (such as sequentially numbered containers), describing any steps taken to conceal the sequence until interventions were assigned Allocation was concealed in identical sealed envelopes that were only opened when the study patient was ready for enrolment under the supervision of the principal investigator 10) CONSORT: Who generated the random allocation sequence, who enrolled participants, and who assigned participants to interventions An experienced statistician, not involved in the study in any way, prepared the randomization table and listed study patients' numbers with corresponding intervention allocations for CKD patients in sequentially numbered sealed envelopes according to the randomization schedule to correspond to the serial number of the CKD patients 11a) CONSORT: Blinding - If done, who was blinded after assignment to interventions (for example, participants, care providers, those assessing outcomes) and how 11a-i) Specify who was blinded, and who wasn't
This study was a parallel-group (1:1) randomized controlled trial in the Mirzapur sub-district of Bangladesh that compared two groups of CKD patients.
Adults individual with CKD (stages 1-3) were enrolled in November 2020 and randomly assigned to one of two groups: intervention or control
11a-ii) Discuss e.g., whether participants knew which intervention was the "intervention of interest" and which one was the "comparator" 11b) CONSORT: If relevant, description of the similarity of interventions It was not a placebo control trial 12a) CONSORT: Statistical methods used to compare groups for primary and secondary outcomes For the baseline assessment, continuous variables were compared by t-test or Man-Whitney U test, and categorical variables were compared by the chi-square (X2) test. Multiple comparisons were performed by two-way repeated measure ANOVA test for the evaluation of the outcome variables such as CKD knowledge questionnaire and physical measurements and QOL at baseline, three months, and six months. 12a-i) Imputation techniques to deal with attrition / missing values Intention treat analysis were performed. 12b) CONSORT: Methods for additional analyses, such as subgroup analyses and adjusted analyses Not applicable as we did not perform any sub group analysis 13a) CONSORT: For each group, the numbers of participants who were randomly assigned, received intended treatment, and were analysed for the primary outcome Yes, intention to treat analysis was performed 13b) CONSORT: For each group, losses and exclusions after randomisation, together with reasons
A total enrolled of 126 patients (control group, n=63, intervention group, n=63) were enrolled in the study. Of them, five patients were withdrawn from further participation during the follow-up period. Among them, four were from the intervention group and one from the control group. Two patients in the intervention group did not participate in the health campaign, and the other two did not continue their health education. The only patient in the control group, on the other hand, left the area after enrolment into the study" 13b-i) Attrition diagram 14a) CONSORT: Dates defining the periods of recruitment and follow-up
The total study duration was one year; during that one year, the intervention duration was six months, starting from mid-November 2020 and completed in May 2021 14a-i) Indicate if critical "secular events" fell into the study period 14b) CONSORT: Why the trial ended or was stopped (early) Not applicable as it was not stopped (early).

15) CONSORT: A table showing baseline demographic and clinical characteristics for each group Yes, baseline characteristics was provided. 15-i) Report demographics associated with digital divide issues Yes. Age, gender, education was provided in demographics characteristics was provided. 16a) CONSORT: For each group, number of participants (denominator) included in each analysis and whether the analysis was by original assigned groups 16-i) Report multiple "denominators" and provide definitions clearly defined the denominators 16-ii) Primary analysis should be intent-to-treat 17a) CONSORT: For each primary and secondary outcome, results for each group, and the estimated effect size and its precision (such as 95% confidence interval) Yes. Estimated effect size and its precision. 17a-i) Presentation of process outcomes such as metrics of use and intensity of use 17b) CONSORT: For binary outcomes, presentation of both absolute and relative effect sizes is recommended For binary outcomes, presentation of both absolute and relative effect sizes was measured 18) CONSORT: Results of any other analyses performed, including subgroup analyses and adjusted analyses, distinguishing pre-specified from Repeated measure ANOVA and Generalized Estimating Equation (GEE) was performed 18-i) Subgroup analysis of comparing only users 19) CONSORT: All important harms or unintended effects in each group No any important harm was observed.

19-i) Include privacy breaches, technical problems 19-ii) Include qualitative feedback from participants or observations from staff/researchers DISCUSSION 20) CONSORT: Trial limitations, addressing sources of potential bias, imprecision, multiplicity of analyses 20-i) Typical limitations in ehealth trials Data contamination by neighbors and family members was very plausible 21) CONSORT: Generalisability (external validity, applicability) of the trial findings 21-i) Generalizability to other populations 21-ii) Discuss if there were elements in the RCT that would be different in a routine application setting 22) CONSORT: Interpretation consistent with results, balancing benefits and harms, and considering other relevant evidence 22-i) Restate study questions and summarize the answers suggested by the data, starting with primary outcomes and process outcomes (use)
Health education through a nephrologist facilitated health campaign and CHWs conducted mHealth education improved the patient knowledge status when compared with usual patient care 22-ii) Highlight unanswered new questions, suggest future research

Other information	
23) CONSORT: Registration number and name of trial registry	
ClinicalTrials.gov NCT04094831.	
24) CONSORT: Where the full trial protocol can be accessed, if available	
JMIR Res Protoc. 2021 Nov 19;10(11):e30191.doi: 10.2196/30191	
25) CONSORT: Sources of funding and other support (such as supply of drugs), role of funders	
Japan's Grants-in-Aid for Scientific Research Program	
X26-i) Comment on ethics committee approval	
x26-ii) Outline informed consent procedures	
X26-iii) Safety and security procedures	
X27-i) State the relation of the study team towards the system being evaluated	