**Supplementary Table 1. Enhancing Transparency in Reporting the Synthesis of Qualitative Research (ENTREQ)[1]**

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| **ENTREQ Item** | **Guide and description** | **Page Reported on** |
| **1. Aim** | State the research question the synthesis addresses. | Title of article and page 6 |
| **2. Synthesis methodology** | Identify the synthesis methodology or theoretical framework which underpins the synthesis, and describe the rationale for choice of methodology *(e.g. meta-ethnography, thematic synthesis, critical interpretive synthesis, grounded theory synthesis, realist synthesis, meta-aggregation, meta-study, framework synthesis).* | Pages 4-6 |
| **3. Approach to searching** | This was a secondary analysis using pre-planned search.  | Page 6 |
| **4. Inclusion criteria** | We used the experimental and quasi-experimental studies identified in a previous published systematic review and narrative synthesis. The original systematic review and narrative synthesis and associated protocol paper provide extensive detail on the inclusion criteria [2,3].  | Page 6 |
| **5. Data sources** | The original systematic review and narrative synthesis and associated protocol paper provide extensive detail on data sources used [2,3].  |  |
| **6. Electronic Search strategy** | The original systematic review and narrative synthesis and associated protocol paper provide extensive detail on the electronic search strategy [2,3].  |  |
| **7. Study screening methods** | The original systematic review and narrative synthesis and associated protocol paper provide extensive detail on the original study screening methods [2,3].  |  |
| **8. Study characteristics** | Table 2 in our paper outlines the study authors, year of publication, study objectives, and identified BCTs. The original systematic review and narrative synthesis and associated protocol paper provide extensive detail on the study characteristics [2,3].  | Table 2 |
| **9. Study selection results** | We included all 35 experimental and quasi-experimental studies included in the original systematic review and narrative synthesis in the COM-B model coding. Two [28, 29] of the 35 studies did not include identifiable BCTs as components of the interventions and were therefore not included in the analysis. These interventions either did not target behaviour change or did not provide enough detail in the methods sections to identify potential BCTs. | Pages 8-9 |
| **10. Rationale for appraisal** | The original systematic review and narrative synthesis and associated protocol paper provide extensive detail the appraisal tools and rationale [2,3].  |  |
| **11. Appraisal items** | The original systematic review and narrative synthesis and associated protocol paper provide extensive detail on the appraisal items [2,3].  |  |
| **12. Appraisal process** | The original systematic review and narrative synthesis provides extensive detail on the appraisal process [2,3].  |  |
| **13. Appraisal results** | The original systematic review and narrative synthesis provides extensive details on the appraisal results [2,3].  |  |
| **14. Data extraction** | Indicate which sections of the primary studies were analysed and how were the data extracted from the primary studies? *(e.g. all text under the headings “results /conclusions” were extracted electronically and entered into a computer software).* |  |
| **15. Software** | Nvivo 11 software was used for capability-opportunity-motivation-behaviour (COM-B) and behaviour change technique (BCT) coding and analysis.  | Pages 7-8 |
| **16. Number of reviewers** | **COM-B coding**: All included studies were analyzed by two reviewers (JAC and AJG).**BCT coding:** Four reviewers (AJG, AB, JE, CC) independently coded the intervention descriptions in all included studies. | Pages 7-8 |
| **17. Coding** | **COM-B coding**: the study reports were reviewed to identify barriers and enablers to intervention implementation and effectiveness as reported by the study authors. The reviewers met after coding every 5-7 studies to compare consistency and discuss any discrepancies. Once barriers and enablers were identified they were mapped onto relevant domains within the COM-B model.**BCT coding:** The study objectives were reviewed first to obtain a sense of the intervention target and outcomes of interest. The methods sections were then read in their entirety and analyzed to identify BCTs in the interventions. BCTs were only identified in content related to the intervention groups, as the control groups received either no intervention or standardized care. | Pages 7-8 |
| **18. Study comparison** | We made comparisons within and across studies by using the pre-existing COM-B model and BCTTv1. Consensus meetings were held to compare coding and resolve discrepancies. | Pages 7-8 |
| **19. Derivation of themes** | We used deductive methods as we mapped our findings to domains within the COM-B model, individual BCTs and BCT categories. | Pages 7-8 |
| **20. Quotations** | Provide quotations from the primary studies to illustrate themes/constructs, and identify whether the quotations were participant quotations of the author’s interpretation. | Table 1, pages 10-11. |
| **21. Synthesis output** | Present rich, compelling and useful results that go beyond a summary of the primary studies (e.g. *new interpretation, models of evidence, conceptual models, analytical framework, development of a new theory or construct).* | Results and Discussion sections, pages 10-17. |

**References:**

[1] Enhancing transparency in reporting the synthesis of qualitative research: ENTREQ. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3552766/ (accessed November 15, 2019).

[2] Curran J. Discharge instructions for parents in the context of pediatric emergency care: a narrative review. BMC Health Serv Res 2014;14:P20. https://doi.org/10.1186/1472-6963-14-S2-P20.

[3] Curran JA, Gallant AJ, Zemek R, Newton AS, Jabbour M, Chorney J, et al. Discharge communication practices in pediatric emergency care: a systematic review and narrative synthesis. Syst Rev 2019;8:83. https://doi.org/10.1186/s13643-019-0995-7.