

**Supplementary Table 1: Characteristics of included studies**

S.No	Study	Is this an empirical or theoretical research?	Is it qualitative, quantitative, mixed methods or theoretical research?	Is an ethical issue the main research question?	Which state in India?	Underlying health condition for which mHealth was used	How was mHealth application used?
1	Tewari 2017	Empirical	Mixed Methods	No	Andhra Pradesh	Mental health	Data Capture
2	Kumar 2019	Empirical	Mixed Methods	No	Karnataka	Tuberculosis	Reminder
3	Charanthimath 2021	Empirical	Mixed methods	No	Karnataka	Pre-eclampsia	Data capture and decision support
4	Young 2021	Empirical	Mixed Methods	No	Uttar Pradesh	Nutrition	Data capture
5	Schierhout 2021	Empirical	Mixed Methods	Yes	Andhra Pradesh	Cardiovascular Disease	Decision support system
6	Schaaf 2018	Empirical	Qualitative	Yes	Assam, Uttar Pradesh	Health system accountability	capturing complaints and issues using mobile
7	Harding 2021	Empirical	Qualitative	No	All India	Palliative Care	Data capture
8	Thekkur 2019	Empirical	Qualitative	No	Karnataka	Tuberculosis	Reminder
9	Singh 2021	Empirical	Qualitative	Yes	Gujarat, Madhya Pradesh	Primary health care	Data capture, decision support, client communication, service delivery planning
10	Muke 2019	Empirical	Qualitative	No	Madhya Pradesh	Mental health	Training
11	Samanta 2021	Empirical	Qualitative	No	Uttar Pradesh and Rajasthan	Reproductive Maternal Newborn Child Health	interactive voice response IVRS - infotainment and frequently asked questions - clarifications of health related doubts
12	Bhatt 2018	Empirical	Qualitative	No	Tamil Nadu, Madhya Pradesh, Chattisgarh	Cancer screen - oral and cervical	Data capture
13	Gopalakrishnan 2020	Empirical	Qualitative	Yes	Bihar and MP	Reproductive Maternal Newborn Child Health	Digital register, job aids, Monitoring and supervision
14	Thomas 2017	Empirical	Qualitative	No	Tamil Nadu	Prevention of STI and HIV	Health Education
15	Joshi 2021	Empirical	Qualitative	No	Rajasthan	Primary health care	Multiple e-Health interventions
16	Nagar 2018	Empirical	Quantitative	No	Rajasthan	Immunization	Call reminder
17	Sharma 2021	Empirical	Quantitative	No	Rajasthan	Metabolic Syndrome	Health Education
18	Prinja 2018	Empirical	Quantitative	No	Uttar Pradesh	Reproductive Maternal Newborn Child Health	Decision support, data collection, behaviour change communication, job aid
19	Ravindra 2018	Empirical	Quantitative	No	Punjab	Preventing Open defecation	Monitoring tool
20	Birur 2019	Empirical	Quantitative	No	All India	Cancer Screening	Data capture
21	Ward 2021	Empirical	Quantitative	No	Bihar	Reproductive Maternal Newborn Child Health	Mobile based health education to pregnant women
22	Prinja 2018 (2)	Empirical	Quantitative	No	Uttar Pradesh	Reproductive Maternal Newborn Child Health	Data capture, decision support, health education
23	Archer 2021	Empirical	Quantitative	No	All India	Reproductive Maternal Newborn Child Health	Multiple e-Health models
24	Wagner 2018	Empirical	Quantitative	No	West Bengal	Reproductive Maternal Newborn Child Health	Data capture
25	Sharma 2021 (2)	Empirical	Quantitative	No	Haryana	Reproductive Maternal Newborn Child Health	Data capture, participatory learning in action
26	Alvarez 2018	Empirical	Quantitative	No	All India	Palliative Care	Telemedicine for end-of-life care
27	Ward 2020	Empirical	Quantitative	Yes	Bihar	Reproductive Maternal Newborn Child Health	Data capture, decision support, health education maternal and child health
28	Nanda 2021	Empirical	Quantitative	No	All India	Primary Care	Telemedicine during COVID 19
29	Hegde 2018	Empirical	Quantitative	No	Maharashtra	Primary Care	Toll free medical helpline
30	Kumar 2021	Empirical	Quantitative	No	Haryana	Early Childhood development	Health Education
31	Jindal 2019	Empirical	Quantitative	No	Tripura	Primary Care	Health Education

32	Rajvanshi 2021	Empirical	Quantitative	No	Madhya Pradesh	Malaria elimination	disease surveillance, workforce management and supply chain management.
33	Maulik 2017	Empirical	Quantitative	No	Andhra Pradesh	Mental health	Decision support
34	Modi 2019	Empirical	Quantitative	No	Gujarat	Reproductive Maternal Newborn Child Health	Data capture, screening aid, decision support, health education for pregnant women
35	Johri 2020	Empirical	Quantitative	Yes	Uttar Pradesh	Immunization	Health Education
36	Prinja 2017	Empirical	Quantitative	No	Uttar Pradesh	Reproductive Maternal Newborn Child Health	Data capture, health education of pregnant women
37	Ilozumba 2018	Empirical	Mixed Methods	No	Jharkhand	Reproductive Maternal Newborn Child Health	Data capture, reminders, health education of pregnant women and lactating mothers
38	Tewari 2021	Empirical	Mixed Methods	No	Andhra Pradesh	Mental health	Data Capture
39	Chamberlain 2021	Empirical	Qualitative	No	All India	Reproductive Maternal Newborn Child Health	Health Education
40	Venkataraghavan 2021	Empirical	Qualitative	No	Karnataka	Primary Health Care	Data Capture
41	Pant 2019	Empirical	Quantitative	Yes	Tamil Nadu	Sexually Transmitted Diseases	Point of care testing strategy
42	Chadha 2017	Empirical	Quantitative	No	Jharkhand	Tuberculosis	Job Aid, Data Capture
43	Dandge 2019	Empirical	Quantitative	No	Telangana	Non Communicable Diseases	Screening, decision support, job aid
44	Shah 2018	Empirical	Quantitative	No	Gujarat	Reproductive Maternal Newborn Child Health	Training of CHW, health education of pregnant women, data capture
45	Bashingwa 2021	Empirical	Quantitative	No	13 Indian states	Reproductive Maternal Newborn Child Health	Training
46	Darmstadt 2020	Theoretical	Theoretical	No	Bihar	Reproductive Maternal Newborn Child Health	Decision support, data collection, behaviour change communication, job aid
47	Newton-Lewis 2021	Theoretical	Theoretical	No	NA	Primary Care	Multiple applications including data capture, health education
48	Chawla 2021	Theoretical	Theoretical	No	NA	Reproductive Maternal Newborn Child Health	Health education of pregnant women and lactating mothers
49	Muralidharan 2017	Theoretical	Theoretical	No	NA	Diabetes	SMS reminders, health education messages
50	Kalaiivanan 2021	Theoretical	Theoretical	No	NA	Mental Health	Telemedicine
51	Jayarajan 2020	Theoretical	Theoretical	No	NA	Mental Health	Telerehabilitation
52	Galagali 2021	Theoretical	Theoretical	No	NA	Child & Adolescent health	Telemedicine, tele-yoga
53	Agarwal 2020	Theoretical	Theoretical	No	NA	Primary Health Care	Telemedicine
54	Kommu 2020	Theoretical	Theoretical	No	NA	Child Mental Health	Telepsychiatry
55	Kuziemy 2018	Theoretical	Theoretical	Yes	NA	Primary Health Care	Telehealth
56	McCool 2020	Theoretical	Theoretical	No	NA	Primary Health Care	Multiple uses including smoking cessation counselling, contraception counselling
57	Mahajan 2020	Theoretical	Theoretical	No	Punjab & Haryana	Child Health	Telemedicine during COVID 19
58	Naslund 2019	Theoretical	Theoretical	No	NA	Mental Health	Multiple interventions in mental health