Table 1. Characteristics of included studies

First author	Year	Country	Context	Population involved	Research design	Outcome (Area to evaluate)	Tool used
AlKlayb[18]	2017	Saudi Arabia	Doesn't report	Mothers	D	Oral health	Mobile app (iTeethey ™)
Bhatts[19]	2018	India	Rural area	Adults	C	Oral cancer / Cervical cancer	Interview
Birur[20]	2019	India	Industrial zone	Adults	A	Oral cancer	Mobile app
Boringi[21]	2015	India	University	Dental professionals and students	D	Knowledge and beliefs	Questionnaire
Daniel[22]	2017	United States	Schools	Children	D	Tooth decay	Photographs
Almeida[23]	2017	Brazil	University	Children and adults	DT	Dentoalveolar trauma	Photographs
Estai[24]	2017	Australia	Rural area	Dentists, dental students, dental therapists, nurses	D	Tooth decay	Questionnaire
Estai[25]	2016	Australia	Doesn't report	Adults	DT	Oral diseases	Mobile app
Estai[26]	2016	Australia	Dental clinic	Children and adults	DT	Tooth decay	Mobile app
Giradeau[27]	2017	France	Prison	Prisoners	DT	Oral health	Camera (Soprocare®)
Haron[28]	2017	Malaysia	Doesn't report	Adults	DT	Oral cancer	Mobile device
Jung[29]	2018	South Korea	University	Adults	DT	Tooth decay	Digital Fluorescence (QLF-D)
Kohara[30]	2018	Brazil	University	Teeth extracted, Children	DT	Tooth decay	Mobile device
Martin[31]	2016	United States	Doesn't report	Dental Professionals	D	Telehealth	Questionnaire
McFarland[32]	2017	United States	Rural area	Students in dentistry, oral health, and other health professions	D	Teledentistry	Questionnaire
McLaren[33]	2016	New York	Rural area	Children	D	Teledentistry	Teledentistry consultation
McLaren[34]	2016	New York	University	Children	D	Dental treatments	Teledentistry consultation

Morosini[35]	2014	Brazil	Prison	Adolescents	DT	Tooth decay	Photographs
Paixcao[36]	2018	Brazil	Health centres	Teleconsulting	D	Teledentistry	Database
Puhorit[37]	2017	India	Rural area	Children	DT	Tooth decay	Camcorder
Roxo[38]	2017	Australia	Distance education	Dentists, nurses, dietitians	A	Oral cancer	Virtual course
Skandarajah[39]	2017	India	Health centre	Adults	PB	Oral cancer	Mobile microscope
Van Hilsen[40]	2013	United States	Doesn't report	Teeth extracted	QE	Tooth decay	Midwest Caries IDTM (MID), Visual Photo Examination (CAM), Cross-polarization Optical Coherence Tomography (CP-OCT).
Vinayagamoorthy[41]	2019	India	Rural area	Adults	O	Oral cancer	Mobile App (WhatsApp)

D: Descriptive; DT: Diagnostic Test; A: Analytical; CE: Quasi-experimental; O: Observational; C: Qualitative

Source: by the authors

Table 2. Quality assessment according to the Agency for Healthcare Research and Quality (AHRQ)

Author	Source of information (survey, records, review)	Inclusion and exclusion criteria	Time period evaluated	Consecutive population	Reports other aspects of participants	Quality assessment	Exclusions of participants in the analysis	Assessment and control of confounding variables	Data collection response rate	Handling missing data in the analysis	Clarity in follow-up
Purohit, et al (2017)	+	+	+	+	-	-	-	-	+	-	N/A
Estai, et al (2015)	+	-	-	+	-	-	-	-	+	-	N/A
Roxo, et al (2017)	+	+	+	+	-	-	-	-	+	-	N/A
Paixao, et al (2018)	+	+	+	+	-	-	+	-	+	-	N/A
Vinayagamoorthy, et al (2019)	+	+	+	+	-	-	-	-	+	-	N/A
Giraudeau, et al (2017)	+	+	+	+	+	-	-	-	+	-	N/A
Boringi, et al (2015)	+	-	-	+	+	-	-	-	+	-	N/A
Estai, et al (2016)	+	-	-	+	+	-	-	-	+	-	N/A
Skandarajah, et al (2017)	+	-	-	+	+	-	-	-	+	-	N/A
McLaren, et al (2016)	+	+	+	+	+	-	-	-	+	-	N/A
Kohara, et al (2018)	+	+	+	+	+	-	-	-	+	-	N/A
Bhatts, et al (2018)	+	+	+	+	+	-	-	-	+	-	+
Daniel, et al (2017)	+	+	+	+	-	-	-	-	+	-	N/A
Martin, et al (2016)	+	+	+	+	+	-	-	-	+	-	N/A
Jung, et al (2018)	+	+	+	+	-	-	-	-	+	-	N/A
Haron, et al (2017)	+	-	-	+	-	-	-	-	+	-	N/A
McLaren, et al (2017)	+	-	+	+	-	-	-	-	+	-	N/A
de Almeida, et al (2017)	+	-	+	+	-	-	-	-	+	-	N/A
Birur, et al (2019)	+	+	+	+	-	-	-	-	+	-	N/A
Alklaybsa, et al (2017)	+	+	+	+	-	-	-	-	+	-	N/A
Estai, et al (2016)	+	+	+	+	-	-	-	-	+	-	N/A
Morosini, et al (2014)	+	+	+	+	-	-	-	-	+	-	N/A
McFarland, et al (2017)	+	+	-	+	-	-	-	-	+	-	N/A

+ *Yes: Meets the assigned item* - *No: Does not meet the assigned item* *N/A: Not applicable*

Source: by the authors

Table 3. Quality assessment according to Cochrane Collaboration

Author	Random sequence generation	Concealing the assignment	Blinding participants and staff	Incomplete results data	Selective reports	Another bias
Van Hielsen, et al (2013)	+	+	+	+	-	N/A

+ *Yes: Meets the assigned item* - *No: Does not meet the assigned item* *N/A: Not applicable*

Source: by the authors