

## Supplement 2 Search strategy

Database	Search strategies
EMBASE (assessed via OVID)	{(exp Electrocardiography/ or exp electrocardiogram/ or exp Telemedicine/ or exp Telemetry/) or (electrocardiograph* or electrocardiogram* or telecardiology or telemedicine or telemetr* or ecg* or iecg* or ekg*).tw} AND {exp mobile phone/ or [(handheld or hand-held or mobile or portable or "smart phone*" or smartphone* or "cell phone*" or "cellular phone*" or android* or iphone*).tw or (telehealth or ehealth or e-health or mhealth).tw or (alivecor or kardia or mydiagnostic* or omron or heartscan or "heart scan" or zenicor or merlin).tw]} AND { (exp heart arrhythmia/ or exp supraventricular tachycardia/) or [(cardi* adj4 (arrhythmia* or dysrhythmia*).tw or (atrial adj4 (flutter* or fibrillation*).tw or (auricular adj4 (flutter* or fibrillation*).tw))] AND { (diagnostic accuracy/ or accuracy/ or "sensitivity and specificity"/ or predictive value/) or [(sensitivit* or specificit* or "predictive value*" or "likelihood ratio*" or "diagnostic accurac*" or accurac*).tw]}
MEDLINE (assessed via OVID)	{(exp Electrocardiography/ or exp Telemedicine/ or exp Telemetry/) or [(electrocardiograph* or electrocardiogram* or telecardiology or telemedicine or telemetr* or ecg* or iecg* or ekg*).tw]} AND { (exp cell phone/ or smartphone/) or [(handheld or hand-held or mobile or portable or "smart phone*" or smartphone* or "cell phone*" or "cellular phone*" or android* or iphone*).tw or (telehealth or ehealth or e-health or mhealth).tw or (alivecor or kardia or mydiagnostic* or omron or heartscan or "heart scan" or zenicor or merlin).tw]} AND {(exp Arrhythmias, Cardiac/ or exp Tachycardia, Supraventricular/) or [(cardi* adj4 (arrhythmia* or dysrhythmia*).tw or (atrial adj4 (flutter* or fibrillation*).tw or (auricular adj4 (flutter* or fibrillation*).tw))] AND {(exp "Sensitivity and Specificity"/) or [(sensitivit* or specificit* or "predictive value*" or "likelihood ratio*" or "diagnostic accurac*" or accurac*).tw]}
Cochrane Central Register of Clinical Trials (assessed via Ovid)	{(exp Electrocardiography/ or exp Telemedicine/ or exp Telemetry/) or [(electrocardiograph* or electrocardiogram* or telecardiology or telemedicine or telemetr* or ecg* or iecg* or ekg*).tw]} AND {(exp Cellular Phone/) or (handheld or hand-held or mobile or portable or "smart phone*" or smartphone* or "cell phone*" or "cellular phone*" or android* or iphone*).tw or (telehealth or ehealth or e-health or mhealth).tw or (alivecor or kardia or mydiagnostic* or omron or heartscan or "heart scan" or zenicor or merlin).tw]} AND {(exp Arrhythmias, Cardiac/ or exp Tachycardia, Supraventricular/) or (cardi* adj4 (arrhythmia* or dysrhythmia*).tw or (atrial adj4 (flutter* or fibrillation*).tw or (auricular adj4 (flutter* or fibrillation*).tw))] AND { exp "Sensitivity and Specificity"/ or [(sensitivit* or specificit* or

	"predictive value*" or "likelihood ratio*" or "diagnostic accurac*" or accurac*).tw}}
Cumulative Index to Nursing and Allied Health Literature [CINAHL]	{[(MH "Electrocardiography+") or (MH "Telemedicine+") or (MH "Telemetry")] or [(electrocardiograph* or electrocardiogram* or telecardiology or telemedicine or telemetr* or ecg* or iecg* or ekg*).tw]} AND {(MH "Cellular Phone+") or [(handheld or "hand held" or hand-held or mobile or portable or "smart phone*" or smartphone* or "cell phone*" or "cellular phone*" or android* or iphone*).tw or (telehealth or ehealth or e-health or mhealth).tw or (alivecor or kardia or mydiagnostic* or omron or heartscan or "heart scan" or zenicor or merlin).tw]} AND {(MH "Arrhythmia+") or [cardi* N4 (arrhythmia* or dysrhythmia*) or atrial N4 (flutter* or fibrillation*) or auricular N4 (flutter* or fibrillation*)]} AND {[(MH "Sensitivity and Specificity") or (MH "Predictive Value of Tests")] or [sensitivit* or specificit* or "predictive value*" or "likelihood ratio*" or "diagnostic accurac*" or accurac*)]}
Web of Science	{TS= (electrocardiograph* OR electrocardiogram* OR telecardiology OR telemedicine OR telemetr* OR ecg* OR iecg* OR ekg*)} AND {[TS= (handheld OR "hand held" OR hand-held OR mobile OR portable OR "smart phone*" OR smartphone* OR "cell phone*" OR "cellular phone*" OR android* OR iphone*)] or [TS= (telehealth OR ehealth OR e-health OR mhealth)] or [TS= (alivecor OR kardia OR mydiagnostic* OR omron OR heartscan OR "heart scan" OR zenicor OR merlin)]} AND {TS= (arrhythmia* OR dysrhythmia* OR "atrial flutter*" OR "atrial fibrillation*" OR "auricular flutter*" OR "auricular fibrillation*" OR "supraventricular tachycardia")} AND {TS= (sensitivit* OR specificit* OR "predictive value*" OR "likelihood ratio*" OR accurac*)}
SCOPUS	{TITLE-ABS-KEY (electrocardiograph* OR electrocardiogram* OR telecardiology OR telemedicine OR telemetr* OR ecg* OR iecg* OR ekg*)} AND {[TITLE-ABS-KEY (handheld OR "hand held" OR hand-held OR mobile OR portable OR "smart phone*" OR smartphone* OR "cell phone*" OR "cellular phone*" OR android* OR iphone*)] or [TITLE-ABS-KEY (telehealth OR ehealth OR e-health OR mhealth)] or [TITLE-ABS-KEY (alivecor OR kardia OR mydiagnostic* OR omron OR heartscan OR "heart scan" OR zenicor OR merlin)]} AND {[TITLE-ABS-KEY (arrhythmia* OR dysrhythmia* OR "atrial flutter*" OR "atrial fibrillation*" OR "auricular flutter*" OR "auricular fibrillation*" OR "supraventricular tachycardia")]} AND { TITLE-ABS-KEY (sensitivit* OR specificit* OR "predictive value*" OR "likelihood ratio*" OR "diagnostic accurac*" OR accurac*)}