

**Appendix 1. Preliminary search**

Database	Search syntax	Results
Pubmed	("Telemedicine"[Mesh] OR telemedicine[tiab] OR mhealth[tiab] OR m-health[tiab] OR ehealth[tiab] OR e-health[tiab]) AND ("Monitoring, Physiologic"[Mesh] OR "Monitoring, Ambulatory"[Mesh] OR telemonitor*[tiab]) AND ("Implementation Science"[Mesh] OR "Health Plan Implementation"[Mesh] AND scale up[tiab] OR implement*[tiab] OR adoption[tiab])	723 of which 156 meta-analysis or reviews. None relevant for upscaling telemonitoring
JBI Evidence Synthesis	Telemonitoring AND Implementation	14 results, none relevant.
Open Science framework	Telemonitoring OR telemedicine	29 registries, none about upscaling
Prospero database	(telemonitoring [all fields] OR telemedicine [MeSH]) AND Implementation Science [MeSH] OR Regional Health Planning [MeSH] OR Health Plan Implementation [MeSH] OR Implementation [all fields]	102 results, none relevant for upscaling telemonitoring.