

# Research Algorithms

This document references the research algorithms used for the systematic review “Ten years of economic-evaluation studies in telemedicine: protocol for a systematic review”. They were applied in EMBASE, Cochrane and PUBMED.

## 1. Research Algorithm for Embase

((english:la) AND [2008-2018]/py AND (telemedicine:ti,ab,kw OR 'virtual expertise':ti,ab,kw OR 'virtual consultation':ti,ab,kw OR 'virtual follow-up':ti,ab,kw OR telemed\*:ti,ab,kw OR 'tele med\*':ti,ab,kw OR telecar\*:ti,ab,kw OR 'tele car\*':ti,ab,kw OR telehealth:ti,ab,kw OR 'tele health':ti,ab,kw OR telehealthcare:ti,ab,kw OR 'tele healthcare':ti,ab,kw OR 'tele health care':ti,ab,kw OR 'telehealth care':ti,ab,kw OR telehomecare:ti,ab,kw OR 'tele homecare':ti,ab,kw OR 'tele home care':ti,ab,kw OR 'telehome care':ti,ab,kw OR teleconsultation\*:ti,ab,kw OR 'tele consultation\*':ti,ab,kw OR videoconsultation\*:ti,ab,kw OR 'video consultation\*':ti,ab,kw OR videoconsulting:ti,ab,kw OR 'video consulting':ti,ab,kw OR 'remote consultation\*':ti,ab,kw OR 'remote patient\*':ti,ab,kw OR 'remote monitoring':ti,ab,kw OR 'remote diagnos\*':ti,ab,kw OR 'remote evaluation':ti,ab,kw OR 'remote assessment':ti,ab,kw OR 'remote supervision':ti,ab,kw OR 'remote management':ti,ab,kw OR telepathology:ti,ab,kw OR 'tele pathology':ti,ab,kw OR 'tele radiology':ti,ab,kw OR telesurgery:ti,ab,kw OR 'tele surgery':ti,ab,kw OR telepsychiatry:ti,ab,kw OR 'tele psychiatry':ti,ab,kw OR telepsychology:ti,ab,kw OR 'tele psychology':ti,ab,kw OR 'telemental health':ti,ab,kw OR 'tele mental health':ti,ab,kw OR teledermatology:ti,ab,kw OR 'tele dermatology':ti,ab,kw OR 'tele audiology':ti,ab,kw OR telemonitoring:ti,ab,kw OR 'tele monitoring':ti,ab,kw OR teleimaging:ti,ab,kw OR 'tele imaging':ti,ab,kw OR telecardiology:ti,ab,kw OR 'tele cardiology':ti,ab,kw OR telestroke:ti,ab,kw OR 'tele stroke':ti,ab,kw OR teleoncology:ti,ab,kw OR 'tele oncology':ti,ab,kw OR teleassistance:ti,ab,kw OR 'tele assistance':ti,ab,kw OR teleradiology:ti,ab,kw OR teleaudiology:ti,ab,kw) AND (cost:ab,ti OR costs:ab,ti OR 'economic evaluation':ab,ti OR 'multicriteria decision analysis':ab,ti OR 'multi criteria decision analysis':ab,ti OR 'multi-criteria decision analysis':ab,ti OR 'budget impact analysis':ab,ti OR costing:ab,ti)) NOT (('systematic review':it OR editorial:it OR news:it OR letter:it OR comment:it OR review:it OR 'design study':it OR 'protocol study':it OR 'study protocol':it OR 'observational study':it OR 'study design':it) OR ('systematic review':ab,ti OR 'protocol study':ab,ti OR 'study protocol':ab,ti) OR (protocol:ti)) AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim)

## 2. Research Algorithm for Cochrane

((Telemedicine OR virtual expertise OR virtual consultation OR virtual follow-up OR telemed\* OR telemed\* OR telecar\* OR tele-car\* OR telehealth OR tele-health OR telehealthcare OR tele healthcare OR tele health care OR telehealth care OR telehomecare OR tele homecare OR tele home care OR telehome care OR teleconsultation\* OR tele consultation\* OR videoconsultation\* OR video consultation\* OR videoconsulting OR video consulting OR remote consultation\* OR remote patient\* OR remote monitoring OR remote diagnos\* OR remote evaluation OR remote assessment OR remote supervision OR remote management OR telepathology OR tele pathology OR tele radiology OR telesurgery OR tele surgery OR telepsychiatry OR tele psychiatry OR telepsychology OR tele psychology OR telemental health OR tele mental health OR teledermatology OR tele dermatology OR teleaudiology OR tele audiology OR telemonitoring OR tele monitoring OR teleimaging OR tele imaging OR telecardiology OR tele cardiology OR telestroke OR tele stroke OR teleoncology OR tele oncology OR teleassistance OR tele-assistance OR teleradiology OR teleaudiology):ti,ab,kw AND (Cost OR Costs OR economic evaluation OR economic-evaluation OR multicriteria decision analysis OR multi criteria decision analysis OR multi-criteria decision analysis OR budget impact analysis OR costing):ti,ab) NOT

((systematic review OR editorial OR news OR letter OR comment OR review OR design study OR protocol study OR study protocol OR Observational Study OR study design):pt OR (study protocol OR protocol study OR systematic review):ti,ab OR (protocol):ti)

### 3. Research Algorithm for Pubmed

("2008/01/01"[Date - Publication]: "2018/12/31"[Date - Publication]) AND ("english" [Language]) AND ((Telemedicine [Title/Abstract] OR virtual expertise [Title/Abstract] OR virtual consultation [Title/abstract] OR virtual follow-up [Title/Abstract] OR telemed\* [Title/Abstract] OR tele-med\* [Title/Abstract] OR telecar\* [Title/Abstract] OR tele-car\* [Title/Abstract] OR telehealth [Title/Abstract] OR tele-health [Title/Abstract] OR telehealthcare [Title/Abstract] OR tele healthcare [Title/Abstract] OR tele health care [Title/Abstract] OR telehealth care [Title/Abstract] OR telehomecare [Title/Abstract] OR tele homecare [Title/Abstract] OR tele home care [Title/Abstract] OR telehome care [Title/Abstract] OR teleconsultation\* [Title/Abstract] OR tele consultation\* [Title/Abstract] OR videoconsultation\* [Title/Abstract] OR video consultation\* [Title/Abstract] OR videoconsulting [Title/Abstract] OR video consulting [Title/Abstract] OR remote consultation\* [Title/Abstract] OR remote patient\* [Title/Abstract] OR remote monitoring [Title/Abstract] OR remote diagnos\* [Title/Abstract] OR remote evaluation [Title/Abstract] OR remote assessment [Title/Abstract] OR remote supervision [Title/Abstract] OR remote management [Title/Abstract] OR telepathology [Title/Abstract] OR tele pathology [Title/Abstract] OR tele radiology [Title/Abstract] OR telesurgery [Title/Abstract] OR tele surgery [Title/Abstract] OR telepsychiatry [Title/Abstract] OR tele psychiatry [Title/Abstract] OR telepsychology [Title/Abstract] OR tele psychology [Title/Abstract] OR telemental health [Title/Abstract] OR tele mental health [Title/Abstract] OR teledermatology [Title/Abstract] OR tele dermatology [Title/Abstract] OR teleaudiology [Title/Abstract] OR tele audiology [Title/Abstract] OR telemonitoring [Title/Abstract] OR tele monitoring [Title/Abstract] OR teleimaging [Title/Abstract] OR tele imaging [Title/Abstract] OR telecardiology [Title/Abstract] OR tele cardiology [Title/Abstract] OR telestroke [Title/Abstract] OR tele stroke [Title/Abstract] OR teleoncology [Title/Abstract] OR tele oncology [Title/Abstract] OR teleassistance [Title/Abstract] OR tele-assistance [Title/Abstract] OR teleradiology [Title/Abstract] OR teleaudiology [Title/Abstract]) OR (Telemedicine [OTHER TERM] OR virtual expertise [OTHER TERM] OR virtual consultation [OTHER TERM] OR virtual follow-up [OTHER TERM] OR telemed\* [OTHER TERM] OR tele-med\* [OTHER TERM] OR telecar\* [OTHER TERM] OR tele-car\* [OTHER TERM] OR telehealth [OTHER TERM] OR tele-health [OTHER TERM] OR telehealthcare [OTHER TERM] OR tele healthcare [OTHER TERM] OR tele health care [OTHER TERM] OR telehealth care [OTHER TERM] OR telehomecare [OTHER TERM] OR tele homecare [OTHER TERM] OR tele home care [OTHER TERM] OR telehome care [OTHER TERM] OR teleconsultation\* [OTHER TERM] OR tele consultation\* [OTHER TERM] OR videoconsultation\* [OTHER TERM] OR video consultation\* [OTHER TERM] OR videoconsulting [OTHER TERM] OR video consulting [OTHER TERM] OR remote consultation\* [OTHER TERM] OR remote patient\* [OTHER TERM] OR remote monitoring [OTHER TERM] OR remote diagnos\* [OTHER TERM] OR remote evaluation [OTHER TERM] OR remote assessment [OTHER TERM] OR remote supervision [OTHER TERM] OR remote management [OTHER TERM] OR telepathology [OTHER TERM] OR tele pathology [OTHER TERM] OR tele radiology [OTHER TERM] OR telesurgery [OTHER TERM] OR tele surgery [OTHER TERM] OR telepsychiatry [OTHER TERM] OR tele psychiatry [OTHER TERM] OR telepsychology [OTHER TERM] OR tele psychology [OTHER TERM] OR telemental health [OTHER TERM] OR tele mental health [OTHER TERM] OR teledermatology [OTHER TERM] OR tele dermatology [OTHER TERM] OR teleaudiology [OTHER TERM] OR tele audiology [OTHER TERM] OR telemonitoring [OTHER TERM] OR tele monitoring [OTHER TERM] OR teleimaging [OTHER TERM] OR tele imaging [OTHER TERM] OR telecardiology [OTHER TERM] OR tele cardiology [OTHER TERM] OR telestroke [OTHER TERM] OR tele stroke [OTHER TERM] OR teleoncology [OTHER TERM] OR tele oncology [OTHER TERM] OR teleassistance [OTHER TERM] OR tele-assistance [OTHER TERM] OR teleradiology [OTHER TERM] OR teleaudiology [OTHER TERM])) AND (Cost [Title/Abstract] OR Costs [Title/Abstract] OR economic evaluation [Title/Abstract] OR multicriteria decision analysis [Title/Abstract] OR multi criteria decision analysis [Title/Abstract] OR budget impact analysis [Title/Abstract] OR costing [Title/Abstract] NOT ((systematic review [Title/abstract] OR study protocol [Title/Abstract] OR protocol study [Title/Abstract]) OR (systematic review [Publication Type] OR editorial [Publication Type] OR news [Publication Type] OR letter [Publication Type] OR comment [Publication Type] OR review [Publication Type] OR design study [Publication Type] OR protocol study [Publication Type] OR study protocol [Publication Type] OR Observational Study [Publication Type]) OR (protocol [Title])))