

Additional file 1: Search Strategy

Database	Date	Search	Hits
PubMed	04.12.2020	("app"[Title/Abstract] OR "apps"[Title/Abstract] OR "smartphone"[Title/Abstract] OR "mobile phone"[Title/Abstract] OR "Smartwatch"[Title/Abstract] OR "cellphone"[Title/Abstract] OR "internet"[Title/Abstract] OR "online"[Title/Abstract] OR "website"[Title/Abstract] OR "web-based" OR "fitness tracker"[Title/Abstract] OR "fitnesstracker"[Title/Abstract] OR "acceleromet*" [Title/Abstract] OR "activity monitor"[Title/Abstract] OR "digital health"[Title/Abstract] OR "digital public health"[Title/Abstract] OR "digital intervention*" [Title/Abstract] OR uhealth[Title/Abstract] OR u-health[Title/Abstract] OR m-health[Title/Abstract] OR e-health[Title/Abstract] OR ehealth[Title/Abstract] OR mhealth[Title/Abstract] OR "Mobile health"[Title/Abstract] OR telemedicine OR telehealth[Title/Abstract] OR Telecare[Title/Abstract]) AND ("cost-effectiveness"[title] OR "cost-benefit"[title] OR "cost-utility"[title] OR "cost-minimization"[title] OR "cost-minimisation"[title] OR "cost-consequences"[title] OR "cost-consequence"[title] OR "economic evaluation"[title])	970
PubMed - Search details	-	("app"[Title/Abstract] OR "apps"[Title/Abstract] OR "smartphone"[Title/Abstract] OR "mobile phone"[Title/Abstract] OR "Smartwatch"[Title/Abstract] OR "cellphone"[Title/Abstract] OR "internet"[Title/Abstract] OR "online"[Title/Abstract] OR "website"[Title/Abstract] OR "web-based"[All Fields] OR "fitness tracker"[Title/Abstract] OR "fitnesstracker"[Title/Abstract] OR "acceleromet*" [Title/Abstract] OR "activity monitor"[Title/Abstract] OR "digital health"[Title/Abstract] OR "digital public health"[Title/Abstract] OR "digital intervention*" [Title/Abstract] OR "uhealth"[Title/Abstract] OR "u-health"[Title/Abstract] OR "m-health"[Title/Abstract] OR "e-health"[Title/Abstract] OR "ehealth"[Title/Abstract] OR "mhealth"[Title/Abstract] OR "Mobile health"[Title/Abstract] OR ("telemedicine"[MeSH Terms] OR "telemedicine"[All Fields] OR "telemedicine s"[All Fields]) OR "telehealth"[Title/Abstract] OR "Telecare"[Title/Abstract]) AND ("cost-effectiveness"[Title] OR "cost-benefit"[Title] OR "cost-utility"[Title] OR "cost-minimization"[Title] OR "cost-minimisation"[Title] OR "cost-consequences"[Title] OR "cost-consequence"[Title] OR "economic evaluation"[Title])	-
CINAHL	04.12.2020	(TI (("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare)) OR AB (("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare))) AND TI (("cost-effectiveness" OR „cost-benefit“ OR „cost-utility“ OR „cost-minimization“ OR „cost-minimisation“ OR „cost-consequences“ OR "cost-consequence" OR „economic evaluation“))	314
Web of Science	04.12.2020	(TI=("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare) OR AB=("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare)) AND TI=("cost-effectiveness" OR „cost-benefit“ OR „cost-utility“ OR „cost-minimization“ OR „cost-minimisation“ OR „cost-consequences“ OR "cost-consequence" OR „economic evaluation“)	654

Search Update

PubMed	01.06.2022 (Search Update)	(("app"[Title/Abstract] OR "apps"[Title/Abstract] OR "smartphone"[Title/Abstract] OR "mobile phone"[Title/Abstract] OR "Smartwatch"[Title/Abstract] OR "cellphone"[Title/Abstract] OR "internet"[Title/Abstract] OR "online"[Title/Abstract] OR "website"[Title/Abstract] OR "web-based" OR "fitness tracker"[Title/Abstract] OR "fitnesstracker"[Title/Abstract] OR "acceleromet*"[Title/Abstract] OR "activity monitor"[Title/Abstract] OR "digital health"[Title/Abstract] OR "digital public health"[Title/Abstract] OR "digital intervention*"[Title/Abstract] OR uhealth[Title/Abstract] OR u-health[Title/Abstract] OR m-health[Title/Abstract] OR e-health[Title/Abstract] OR ehealth[Title/Abstract] OR mhealth[Title/Abstract] OR "Mobile health"[Title/Abstract] OR telemedicine OR telehealth[Title/Abstract] OR Telecare[Title/Abstract]) AND ("cost-effectiveness"[title] OR "cost-benefit"[title] OR "cost-utility"[title] OR "cost-minimization"[title] OR "cost-minimisation"[title] OR "cost-consequences"[title] OR "cost-consequence"[title] OR "economic evaluation"[title])) AND ("2020/12/05"[Date - Entry] : "2022/06/01"[Date - Entry]))	210
CINAHL	01.06.2022 (Search Update)	(TI (("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare)) OR AB (("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare))) AND TI (("cost-effectiveness" OR „cost-benefit“ OR „cost-utility“ OR „cost-minimization“ OR „cost-minimisation“ OR „cost-consequences“ OR "cost-consequence" OR „economic evaluation“)) AND (EM 20201205-20220601)	37
Web of Science	01.06.2022 (Search Update)	(TI=("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare) OR AB=(("app" OR "apps" OR "smartphone" OR "mobile phone" OR "Smartwatch" OR "cellphone" OR "internet" OR "online" OR "website" OR "web-based" OR "fitness tracker" OR "fitnesstracker" OR "acceleromet*" OR "activity monitor" OR (digital health) OR "digital public health" OR "digital intervention*" OR uhealth OR u-health OR m-health OR e-health OR ehealth OR mhealth OR (Mobile health) OR telemedicine OR telehealth OR Telecare)) AND TI=("cost-effectiveness" OR „cost-benefit“ OR „cost-utility“ OR „cost-minimization“ OR „cost-minimisation“ OR „cost-consequences“ OR "cost-consequence" OR „economic evaluation“)	87

Timespan: 2020-12-05 to 2022-01-06 (Index Date)