

Supplemental file 2: Search strategy

SCOPUS:

TITLE-ABS-KEY ((pedometer* OR "activity monitor*" OR fitbit OR "activity track*") OR (("physical activity" OR "physical behavior" OR sedentary OR sitting OR walk* OR steps) AND (monitor* OR track* OR smartwatch* OR wearable* OR smartphone*)) AND randomized AND (alone OR plus OR added OR "active control" OR "three arm*" OR "three group*" OR "or without" OR "and without")) AND NOT TITLE (protocol OR review OR meta-analysis)

Limit to: Article, Journal, English

PUBMED:

((pedometer* [Title/Abstract] OR "activity monitor*" [Title/Abstract] OR fitbit [Title/Abstract] OR "activity track*" [Title/Abstract]) OR (("physical activity" [Title/Abstract] OR "physical behavior" [Title/Abstract] OR sedentary [Title/Abstract] OR sitting [Title/Abstract] OR walk* [Title/Abstract] OR steps [Title/Abstract]) AND (monitor* [Title/Abstract] OR track* [Title/Abstract] OR smartwatch* [Title/Abstract] OR wearable* [Title/Abstract] OR smartphone* [Title/Abstract])) AND randomized [Title/Abstract] AND (alone [Title/Abstract] OR plus [Title/Abstract] OR added [Title/Abstract] OR "active control" [Title/Abstract] OR "three arm*" [Title/Abstract] OR "three group*" [Title/Abstract])) NOT (protocol [Title] OR review [Title] OR meta-analysis [Title])

Limit to: Journal Article, Humans, English

DISCUS:

(AB (pedometer* OR "activity monitor*" OR fitbit OR "activity track*") OR AB ("physical activity" OR "physical behavior" OR sedentary OR sitting OR walk* OR steps) AND AB (monitor* OR track* OR smartwatch* OR wearable* OR smartphone*)) AND (AB randomized OR TI randomized) AND AB (alone OR plus OR added OR "active control" OR "three arm*" OR "three group*" OR "or without" OR "and without") NOT TI (protocol OR review OR meta-analysis)

Expanders: Apply related words, Apply equivalent subjects

Limiters: English, Academic Journal, Article

ProQUEST:

((ab((pedometer* OR "activity monitor*" OR fitbit OR "activity track*")) OR (ab(("physical activity" OR "physical behavior" OR sedentary OR sitting OR walk* OR steps))) AND ab((monitor* OR track* OR smartwatch* OR wearable* OR smartphone*))) AND (ab((alone OR plus OR added OR "active control" OR "three arm*" OR "three group*" OR "or without" OR "and without"))) AND ab(randomized))) NOT ti(protocol OR review OR meta-analysis)

Limit to: Scholarly journals, Article, English

WoS:

((AB=("physical activity" OR "physical behavior" OR sedentary OR sitting OR walk* OR steps)

AND AB=(monitor* OR track* OR smartwatch* OR wearable* OR smartphone*)) OR
(AB=(pedometer* OR "activity monitor*" OR fitbit OR "activity track*")) AND
((AB=randomized OR TI=randomized) AND AB=(alone OR plus OR added OR "active control"
OR "three arm*" OR "three group*" OR "or without" OR "and without") NOT TI=(protocol
OR review OR meta-analysis))
Limit to: English, Article