



Systematic Review

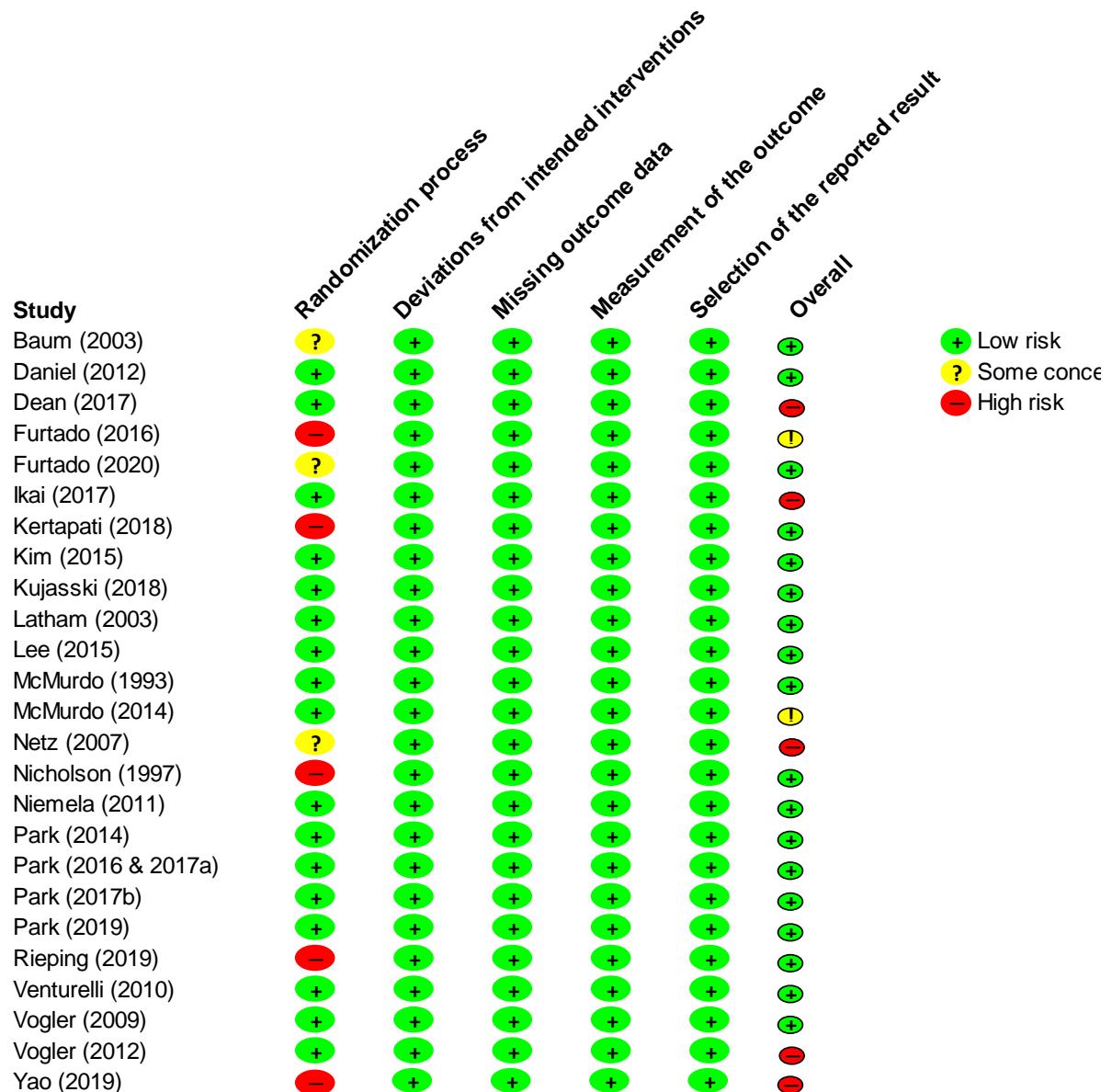
The effect of chair-based exercise on physical function in older adults: a systematic review and meta-analysis

Supplementary Table S1: Medline Search Strategy

#1 (seat* ADJ7 exercis*)
#2 (seat* ADJ7 physio*)
#3 (seat* ADJ7 "physical therap**")
#4 (seat* ADJ7 therap*)
#5 (seat* ADJ7 activit*)
#6 (seat* ADJ7 "tai chi")
#7 (seat* ADJ7 taichi)
#8 (seat* ADJ7 yoga)
#9 (seat* ADJ7 "strength training")
#10 (seat* ADJ7 "resistance training")
#11 (seat* ADJ7 "muscle strengthening")
#12 (seat* ADJ7 train*)
#13 (seat* ADJ7 program*)
#14 (chair* ADJ7 exercis*)
#15 (chair* ADJ7 physio*)
#16 (chair* ADJ7 "physical therap**")
#17 (chair* ADJ7 therap*)
#18 (chair* ADJ7 activit*)
#19 (chair* ADJ7 "tai chi")
#20 (chair* ADJ7 taichi)
#21 (chair* ADJ7 yoga)
#22 (chair* ADJ7 "strength training")
#23 (chair* ADJ7 "resistance training")
#24 (chair* ADJ7 "muscle strengthening")
#25 (chair* ADJ7 train*)
#26 (chair* ADJ7 program*)
#27 ("chair based**" ADJ7 exercis*)
#28 ("chair based**" ADJ7 physio*)
#29 ("chair based**" ADJ7 "physical therap**")
#30 ("chair based**" ADJ7 therap*)
#31 ("chair based**" ADJ7 activit*)
#32 ("chair based**" ADJ7 "tai chi")
#33 ("chair based**" ADJ7 taichi)
#34 ("chair based**" ADJ7 yoga)
#35 ("chair based**" ADJ7 "strength training")
#36 ("chair based**" ADJ7 "resistance training")
#37 ("chair based**" ADJ7 "muscle strengthening")
#38 ("chair based**" ADJ7 train*)
#39 ("chair based**" ADJ7 program*)
#40 ((sit OR sitting OR sat) ADJ7 exercis*)
#40 ((sit OR sitting OR sat) ADJ7 exercis*)
#41 ((sit OR sitting OR sat) ADJ7 physio*)
#42 ((sit OR sitting OR sat) ADJ7 "physical therap**")
#43 ((sit OR sitting OR sat) ADJ7 therap*)

#44 ((sit OR sitting OR sat) ADJ7 activit*)
#45 ((sit OR sitting OR sat) ADJ7 "tai chi")
#46 ((sit OR sitting OR sat) ADJ7 taichi)
#47 ((sit OR sitting OR sat) ADJ7 yoga)
#48 ((sit OR sitting OR sat) ADJ7 "strength training")
#49 ((sit OR sitting OR sat) ADJ7 "resistance training")
#50 ((sit OR sitting OR sat) ADJ7 "muscle strengthening")
#51 ((sit OR sitting OR sat) ADJ7 train*)
#52 ((sit OR sitting OR sat) ADJ7 program*)
#53 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 exercis*)
#54 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 physio*)
#55 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 "physical therap**")
#56 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 therap*)
#57 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 activit*)
#58 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 "tai chi")
#59 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 taichi)
#60 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 yoga)
#61 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 "strength training")
#62 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 "resistance training")
#63 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 "muscle strengthening")
#64 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 train*)
#65 ("non weight bearing" OR "non weightbearing" OR "nonweight bearing") ADJ7 program*)
#66 ("low impact" ADJ7 exercis*)
#67 ("low impact" ADJ7 physio*)
#68 ("low impact" ADJ7 "physical therap**")
#69 ("low impact" ADJ7 therap*)
#70 ("low impact" ADJ7 activit*)
#71 ("low impact" ADJ7 "tai chi")
#72 ("low impact" ADJ7 taichi)
#73 ("low impact" ADJ7 yoga)
#74 ("low impact" ADJ7 "strength training")
#75 ("low impact" ADJ7 "resistance training")
#76 ("low impact" ADJ7 "muscle strengthening")
#77 ("low impact" ADJ7 train*)
#78 ("low impact" ADJ7 program*)
#79 OR(1-78)
#80 "random* control* trial**"
#81 "random* control**"
#82 "random* trial**"
#83 "random* control* stud**"
#84 "random* stud**"
#85 rct
#86 "control* trial**"
#87 "control* stud**"
#88 OR (80-87)
#89 #79 AND #88

Supplementary Table S2: Risk of Bias of Included Studies



Forest Plots for Meta-Analyses

Figure S1: Berg Balance Scale

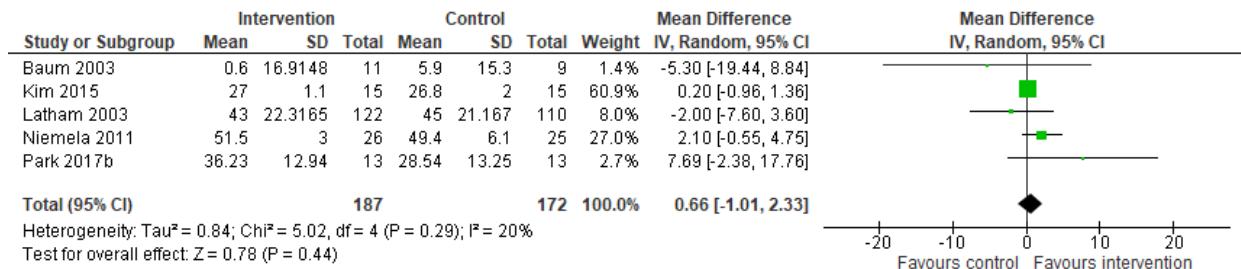


Figure S2: Handgrip Strength

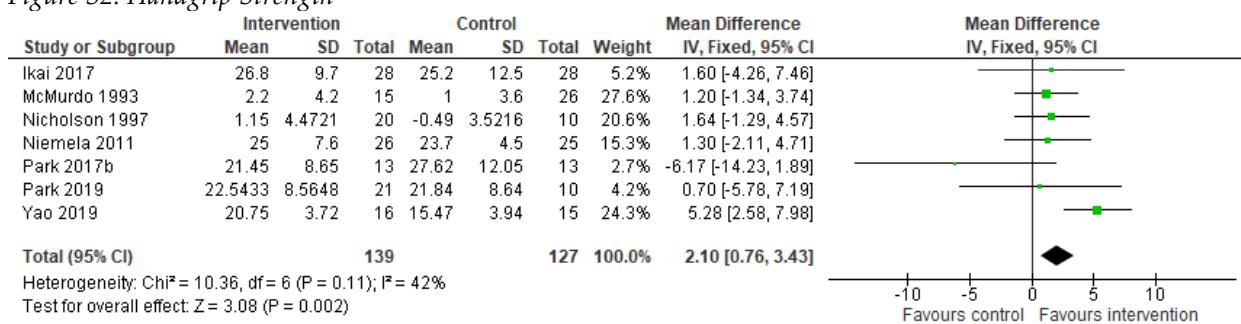


Figure S3: Timed up and Go Test

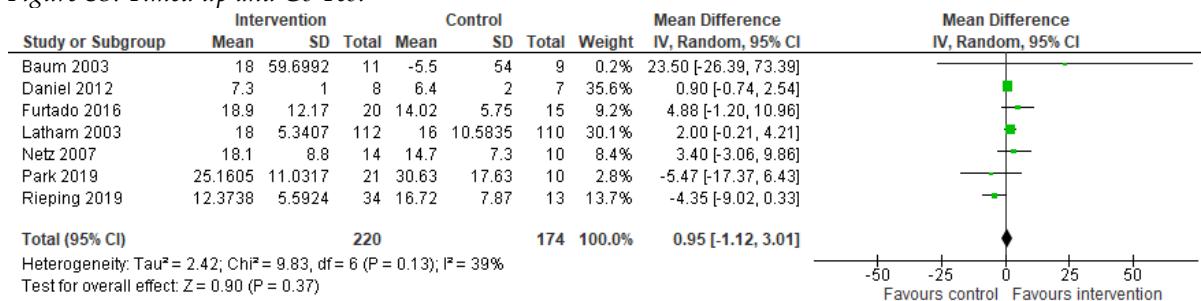


Figure S4: Gait speed (m/s)

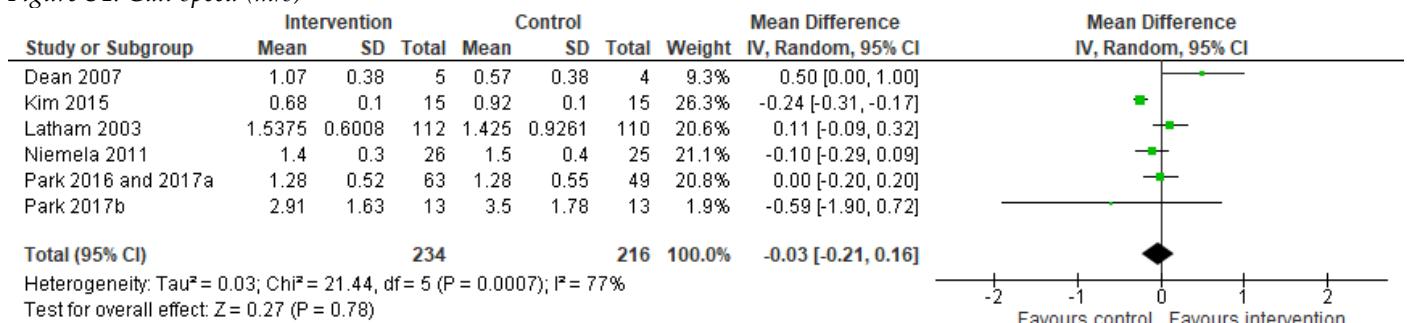
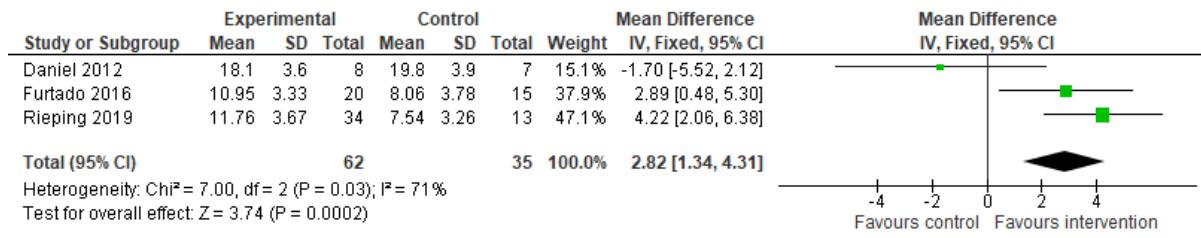
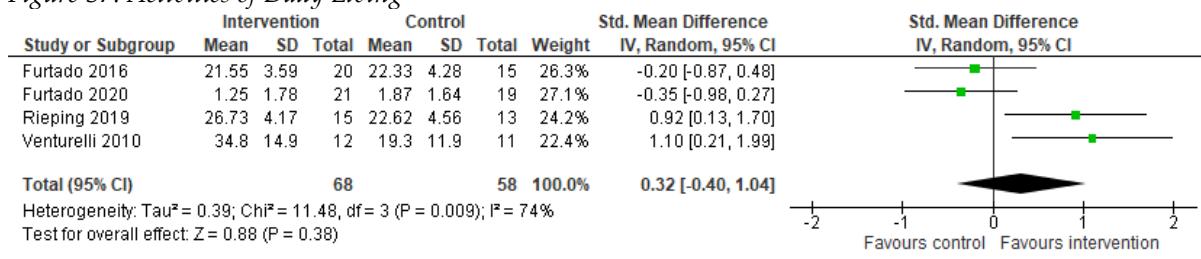


Figure S5: 30 second arm curl test

**Figure S7: Activities of Daily Living****Figure S8: Falls Efficacy**