1.0. All-cause mortality

Population:Adults (aged 18-64 years)Exposure:Duration, frequency and/or intensity of OPA, or a compositional score reflecting total volume of OPA.Comparison:No OPA, or a lesser duration, frequency and/or intensity, no or a smaller compositional score of total volume of OPA.Outcome:All-cause mortality.

				Certainty asse	essment		Summary of findings	Certainty	Importance	
N st	l⁰ of udies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	, ,	Certainty	importance

Domains of physical activity and all-cause mortality: systematic review and dose-response meta-analysis of cohort studies (Samitz, G. 2012)*(102)* 82412/17069 (no of participants/deaths)

6ª	Prospective studies	Serious ^c	Serious ^d	Not serious	Not serious	None	This review compared highest with lowest PA levels in the association with mortality.	Low ⁱ	Critically
							OPA Associations were found for OPA (RR=0.83; 95% CI 0.71–0.97) OPA: 4 studies in men; (RR=0.94; 95% CI 0.75-1.19) 90,8% I ² OPA: 3 studies in women: (RR=0.66; 95% CI 0.49-0.89) 89% I ²		
							LTPA: The strongest associations between PA and mortality were observed for LTPA (RR 0.74; 95% CI 0.70–0.77),		

Do highly physically active workers die early? A systematic review with meta-analysis of data from 193 696 participants. (Coenen, 2018)(103)

Certainty assessment								Orthists	
Nº of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Summary of findings	Certainty	Importance
17 ^b	Prospective cohort studies	Serious ^e	Serious ^f	Not serious	Not serious ^g	Some risk of publication bias ^h	This review compared workers with high level of OPA with low level of OPA in association with mortality: OPA: Pooled results showed that male workers with high level OPA had a statistically significant higher mortality risk than those engaging in low level OPA (HR 1.18, 95% CI 1.05 to 1.34, I2 =76%) A non-significant tendency for an inverse association was found among women (HR=0.90; 95% CI 0.80 to 1.01), I2 =0%). LTPA: LTPA not assessed in this review	Low ⁱ	Critically

a: Eaton 1995; Andersen 2000; Yu 2003; Barengo 2004; Lissner 1996; Besson 2008

b: Petersen 2012; Hu G 2014; Clays 2014; Harari 2015; Richard 2015; Etemadi; 2014; Menotti 2006; Chau 2015; Holtermann 2012; Holtermann 2010; Stender 1993; Wanner 2014; Holtermann 2011; Turi 2017; Huerta 2016; Krause 2017

c: Serious: We can't rule out residual confounding; The assessment of physical activity at baseline only, may also have introduced bias, particularly in studies of longer duration

d: Serious risk of inconsistency: high heterogeneity in the studies. Different results for men and women.

e: Serious: Possible conservative misclassification bias, leading to an underestimation of the magnitude of the association/ Studies included in this review were based only on self-reports of occupational PA

f: Serious risk of inconsistency: there was considerable heterogeneity in our pooled study findings, with up to 77% heterogeneity in the main findings.

g: We decided not to rate down for serious imprecision because the men did not include the 1.0 in their analysis. And the most studies were in the male population.

h: We do not rate down because only some risk is detected: Some risk of publication bias with under-publication of negative and underpowered results.

i: rated down from high to low because of serious risk of bias and serious inconsistency

j: rated down from high to low because of serious risk of bias and serious inconsistency