



Supplement 1: Directed Acyclic Graph (DAG) for physical activity domains and pain interference

Literature support for covariate – exposure and covariate – outcome relationships

Covariate	Exposure reference	Outcome reference
Age	(1)	(2)
Sex	(1)	(2)
Comorbidities	(3)	(4)
BMI	(1)	(5)
Depression	(3)	(6)
Education	(7)	(8)
Socioeconomic status	(7)	(8)
Smoking status	(3)	(9)
Alcohol consumption	(10)	(11)
Television viewing time	(10)	(12)

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