

**Supplementary Table S-F2-9. Summary of Original Studies Published Between 2014-2017 on Sedentary Behavior and Cancer Mortality**

Reference	Year of Publication	Population	Sample Size	Age	Definition of Sedentary Behavior	Mortality Follow-up Period	Main Results	Dose-Response
Matthews et al. 2015	2015	U.S. Adults; NIH-AARP Diet and Health Study	154,614	59-82 y	Daily sitting time	Mean of 6.8 y	HR (95% CI) across levels of daily sitting time in fully adjusted models:  <u>Men:</u> <5 h/d: 1.00 (reference) 5-6.9 h/d: 1.01 (0.92-1.12) 7-8.9 h/d: 1.03 (0.92-1.15) 9-11.9 h/d: 1.15 (1.01-1.32) ≥12 h/d: 1.02 (0.88-1.17) P for trend =0.32  <u>Women:</u> <5 h/d: 1.00 (reference) 5-6.9 h/d: 1.03 (0.91-1.17) 7-8.9 h/d: 1.00 (0.87-1.14) 9-11.9 h/d: 1.04 (0.88-1.22) ≥12 h/d: 1.06 (0.90-1.25) P for trend = 0.57	No
Lee et al. 2016	2016	U.S. Women; Women’s Health Initiative (WHI)	92,809	50-79 y	Daily sitting time	Mean of 10.8 y	HR (95% CI) across quartiles of total daily sitting time in fully adjusted models: ≤5 h/d: 1.00 (reference) 6-9 h/d: 1.07 (0.96-1.20) 10-13 h/d: 1.30 (1.14-1.49) ≥14 h/d: 1.35 (1.08-1.70) P for trend = 0.0001	Yes

Grace et al. 2016	2016	Australian Adults; Australian Diabetes, Obesity and Lifestyle Study (AusDiab)	8,907	≥25 y	TV viewing time	Median of 13.6 y	HR (95% CI) across levels of TV viewing time in fully adjusted models: <u>Non-smokers:</u> <2 h/d: 1.00 (reference) 2-<4 h/d: 0.92 (0.72-1.19) ≥4 h/d: 0.91 (0.61-1.34) P for trend = 0.52 <u>Current Smokers:</u> <2 h/d: 1.00 (reference) 2-<4 h/d: 1.44 (0.77-2.69) ≥4 h/d: 2.27 (1.11-4.67) P for trend = 0.02	Non-smokers: No  Current smokers: Yes
Ensrud et al. 2014	2014	U.S. Men; Osteoporotic Fractures in Men (MrOS) Study	2,918	≥71 y	SenseWear Pro Armband Activity Monitor (awake sedentary time)	Mean of 4.5 y	HR (95% CI) across quartiles of sedentary behavior (min/d): Q1 (<772.2): 1.00 (reference) Q2 (772.2-844.6):1.06 (0.62-1.80) Q3 (844.7-914.9):0.84 (0.48-1.48) Q4: (≥915.0): 1.25 (0.74-2.10) P for trend = 0.52	No
Schmid et al. 2016	2016	U.S. Adults; 2003-04 & 2005- 06 National Health and Nutrition Examination Survey (NHANES)	3,702	50-85 y	Waist Accelerometry (<100 counts/min)	2003-04 to 2011  Mean of 6.4 y	HR (95% CI) across tertiles of sedentary time in fully adjusted model: Q1: 1.00 (reference) Q2: 1.19 (0.14-10.0) Q3: 1.99 (0.55-7.18) P for trend = 0.56  HR (95% CI) for replacing 30 min of sedentary time with light activity = 0.93 (0.86-1.01).	No

							HR (95% CI) for replacing 30 min of sedentary time with moderate-to-vigorous activity = 0.79 (0.39-1.62).	
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Legend: CI=confidence interval, HR=hazard ratio, TV=television

## REFERENCES

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