

Supplemental Material

**Dietary Cadmium Exposure and Risk of Breast, Endometrial, and
Ovarian Cancer in the Women's Health Initiative**

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Table S1. Adjusted hazard ratio (HR) and 95% confidence intervals (95% CI) for breast, endometrial, and ovarian cancer associated with dietary cadmium exposure, without adjustment for total energy intake.

Outcome and Exposure	N	Cases	Model 1 HR (95% CI)	P-trend	Model 2 HR (95% CI)	P-trend	Model 3 HR (95% CI)	P-trend
Breast Cancer	150,889	6,658						
Quintile dietary cadmium								
1	30,171	1,198	Ref.		Ref.		Ref.	
2	30,185	1,378	1.12 (1.04, 1.21)		1.07 (0.99, 1.16)		1.07 (0.98, 1.16)	
3	30,132	1,338	1.08 (0.99, 1.16)		1.01 (0.94, 1.10)		0.99 (0.90, 1.09)	
4	30,202	1,416	1.13 (1.05, 1.22)		1.06 (0.98, 1.14)		1.03 (0.92, 1.14)	
5	30,199	1,328	1.07 (0.99, 1.16)	0.09	1.00 (0.92, 1.08)	0.72 ^a	0.96 (0.85, 1.09)	0.39 ^a
Endometrial Cancer	91,643	1,198						
Quintile dietary cadmium								
1	17,589	193	Ref.		Ref.		Ref.	
2	18,257	247	1.20 (0.99, 1.45)		1.15 (0.95, 1.39)		1.12 (0.91, 1.38)	
3	18,423	231	1.10 (0.91, 1.33)		1.03 (0.85, 1.25)		1.00 (0.78, 1.27)	
4	18,747	238	1.12 (0.92, 1.35)		1.02 (0.84, 1.24)		1.00 (0.76, 1.30)	
5	18,627	289	1.39 (1.15, 1.66)	0.005	1.25 (1.03, 1.50)	0.12	1.25 (0.92, 1.70)	0.40
Ovarian Cancer	125,569	735						
Quintile dietary cadmium								
1	25,056	123	Ref.		Ref.		Ref.	
2	25,091	153	1.20 (0.95, 1.52)		1.17 (0.93, 1.50)		1.10 (0.86, 1.42)	
3	25,077	157	1.22 (0.96, 1.54)		1.17 (0.93, 1.49)		1.04 (0.78, 1.39)	
4	25,222	138	1.07 (0.84, 1.36)		1.02 (0.81, 1.32)		0.85 (0.61, 1.18)	
5	25,123	164	1.29 (1.02, 1.63)	0.15	1.23 (0.99, 1.59)	0.33	0.93 (0.64, 1.34)	0.30

Model 1: adjusted for age and study component (observational, clinical trial). Model 2: additional adjustment for body mass index, smoking, alcohol consumption, race/ethnicity, education, physical activity, age at first birth, age at menarche, age at menopause, unopposed E use, and E + P use. For breast cancer only: also adjusted for mammography 2 years prior to baseline. Model 3: additional adjustment for daily vegetable servings and daily grain servings.

P-trend: Wald test of ordinal variable for dietary cadmium.

^aInverse trend.