

## SUPPLEMENTAL MATERIAL

**Table S1.** Association between drinking water nitrate and incident colon and rectal cancers, by TTHM level, Iowa Women's Health Study participants >10 years at their drinking water source.

	TTHM < median (<4.59 µg/L)			TTHM ≥ median (≥ 4.59 µg/L)		P-heterogeneity
	NO <sub>3</sub> -N	Cases	HR <sup>a</sup> , 95% CI	Cases	HR <sup>a</sup> , 95% CI	
<b>Colon<sup>a</sup></b>	≤0.36	97	1.00 (Ref.)	24	0.67 (0.42, 1.08)	0.96
	0.37-0.80	80	0.96 (0.71, 1.30)	48	1.21 (0.86, 1.72)	
	0.81-1.35	27	0.90 (0.58, 1.40)	121	1.32 (1.01, 1.72)	
	1.36-3.51	72	0.95 (0.70, 1.29)	46	0.84 (0.59, 1.20)	
	>3.51	31	0.84 (0.56, 1.26)	78	0.92 (0.68, 1.24)	
<b>Rectum<sup>b</sup></b>	NO <sub>3</sub> -N					0.77
	≤0.36	26	1.00 (Ref.)	14	1.74 (0.90, 3.35)	
	0.37-0.80	9	0.43 (0.20, 0.91)	9	0.89 (0.42, 1.91)	
	0.81-1.35	11	1.42 (0.68, 2.94)	25	1.03 (0.59, 1.80)	
	1.36-3.51	17	0.88 (0.47, 1.63)	22	1.60 (0.90, 2.84)	
>3.51	5	0.53 (0.20, 1.38)	20	0.89 (0.49, 1.62)		

<sup>a</sup>Models adjusted for age, smoking status, and physical activity.