

Supplemental Table 1. Sensitivity analysis for breast cancer among the thyroid cancer and control groups after excluded patients with a follow up duration < 3 years.

	Control N=39637	Thyroid cancer N=9862	Thyroid cancer without I-131 treatment N=3041	Thyroid cancer with I-131 treatment N=6821
No. of breast cancer	228	86	21	65
person-years	27375	68923	21160	47763
incidence rates	8.22	12.5	9.92	13.6
Crude HR (95% CI)	1.00	1.52(1.18, 1.94)	1.21(0.77, 1.89)	1.65(1.25, 2.18)
Adjusted HR (95% CI)	1.00	1.46(1.14, 1.88)	1.17(0.74, 1.82)	1.60(1.21, 2.11)
Crude HR (98% CI)	1.00	1.52(1.12, 2.05)	1.21(0.70, 2.09)	1.65(1.18, 2.31)
Adjusted HR (98% CI)	1.00	1.46(1.08, 1.99)	1.17(0.68, 2.01)	1.60(1.14, 2.24)

Abbreviation: IR, incidence density rates, per 10,000 person-years; HR, hazard ratio; CI, confidence interval

Adjusted for age, all co-morbidities, hormone therapy, mammography, and ultrasonography