

SUPPLEMENTARY TABLE S3. MULTIVARIABLE COX PROPORTIONAL HAZARD MODELS FOR ALL-CAUSE MORTALITY AMONG CALIFORNIA DIFFERENTIATED THYROID CANCERS WITH TOTAL OR NEAR-TOTAL THYROIDECTOMY, 1991–2008

Variables	Males			Females		
	HR	CI	p	HR	CI	p
Neck reoperation						
No	REF	—	—	REF	—	—
Yes	1.80	[1.45–2.23]	<0.001	2.35	[1.94–2.85]	<0.001
Initial treatment						
No radioiodine	REF	—	—	REF	—	—
Radioiodine	0.75	[0.66–0.85]	<0.001	0.79	[0.72–0.88]	<0.001
Race/ethnicity						
NH white	REF	—	—	REF	—	—
NH African American	0.86	[0.59–1.25]	0.44	1.38	[1.10–1.72]	0.005
Hispanic	0.96	[0.81–1.13]	0.61	0.97	[0.85–1.10]	0.62
NH Asian/Pacific Islander	0.84	[0.69–1.02]	0.09	0.79	[0.68–0.91]	0.001
Other/unknown	1.56	[0.50–4.88]	0.45	0.88	[0.49–1.56]	0.66
Age at diagnosis (years)						
15–34	0.04	[0.03–0.05]	<0.001	0.02	[0.01–0.02]	<0.001
35–44	0.06	[0.05–0.09]	<0.001	0.05	[0.04–0.07]	<0.001
45–54	0.15	[0.12–0.19]	<0.001	0.11	[0.09–0.13]	<0.001
55–64	0.27	[0.22–0.34]	<0.001	0.27	[0.23–0.32]	<0.001
65–74	0.50	[0.42–0.61]	<0.001	0.46	[0.40–0.53]	<0.001
≥75	REF	—	—	REF	—	—
Year of diagnosis						
1991–1993	1.42	[1.03–1.96]	0.03	1.86	[1.40–2.46]	<0.001
1994–1996	1.33	[1.03–1.72]	0.03	1.67	[1.34–2.07]	<0.001
1997–1999	1.37	[1.08–1.75]	0.01	1.82	[1.49–2.22]	<0.001
2000–2002	1.09	[0.85–1.39]	0.49	1.37	[1.12–1.68]	0.002
2003–2005	1.00	[0.78–1.27]	0.97	1.15	[0.93–1.41]	0.19
2006–2008	REF	—	—	REF	—	—
Histology						
Papillary	0.76	[0.63–0.90]	0.002	0.78	[0.68–0.90]	<0.001
Follicular	REF	—	—	REF	—	—
N stage						
Stage N0	REF	—	—	REF	—	—
Stage N1	1.19	[1.02–1.39]	0.03	1.28	[1.11–1.46]	<0.001
Unknown	1.25	[1.00–1.54]	0.05	1.23	[1.04–1.44]	0.01
M stage						
Stage M0	REF	—	—	REF	—	—
Stage M1	2.97	[2.34–3.76]	<0.001	2.44	[1.96–3.04]	<0.001
Unknown	0.87	[0.67–1.13]	0.31	0.93	[0.76–1.13]	0.46
Tumor size						
<1 cm	REF	—	—	REF	—	—
1–2 cm	1.02	[0.82–1.28]	0.84	0.96	[0.82–1.12]	0.59
2–3 cm	1.13	[0.90–1.41]	0.29	1.06	[0.89–1.25]	0.53
3–4 cm	1.33	[1.05–1.69]	0.02	1.34	[1.11–1.62]	0.003
>4 cm	1.56	[1.26–1.93]	<0.001	1.78	[1.49–2.12]	<0.001
Unknown	1.57	[1.23–2.00]	<0.001	1.39	[1.16–1.68]	<0.001
Extrathyroidal extension						
No	REF	—	—	REF	—	—
Yes	1.69	[1.46–1.96]	<0.001	1.88	[1.68–2.11]	<0.001
Unknown	1.44	[1.12–1.84]	0.004	1.26	[1.02–1.55]	0.03
Comorbidities at diagnosis ^a						
No admission ≤2 years of diagnosis	1.30	[1.07–1.59]	0.009	1.29	[1.11–1.49]	<0.001
0	REF	—	—	REF	—	—
1–2	1.63	[1.33–2.00]	<0.001	1.50	[1.29–1.75]	<0.001
≥3	3.34	[2.60–4.30]	<0.001	3.33	[2.78–4.00]	<0.001
Neighborhood socioeconomic status						
Low	1.33	[1.17–1.51]	<0.001	1.20	[1.08–1.33]	<0.001
High	REF	—	—	REF	—	—

(continued)

SUPPLEMENTARY TABLE S3. (CONTINUED)

<i>Variables</i>	<i>Males</i>			<i>Females</i>		
	<i>HR</i>	<i>CI</i>	<i>p</i>	<i>HR</i>	<i>CI</i>	<i>p</i>
Marital status						
Never married	1.33	[1.10–1.60]	0.003	1.15	[0.98–1.34]	0.08
Previously married	1.23	[1.01–1.50]	0.04	1.24	[1.11–1.39]	<0.001
Married	REF	—	—	REF	—	—
Unknown marital status	1.45	[0.92–2.28]	0.11	1.31	[0.94–1.82]	0.11
Health insurance at diagnosis						
No insurance/self-pay	1.13	[0.66–1.91]	0.66	1.09	[0.70–1.70]	0.69
Private	REF	—	—	REF	—	—
Medicaid/government	1.47	[1.13–1.91]	0.004	1.69	[1.40–2.04]	<0.001
Medicare	1.16	[0.97–1.39]	0.10	1.32	[1.15–1.52]	0.001
Unknown insurance	0.99	[0.78–1.26]	0.94	1.11	[0.91–1.36]	0.31
Hospital thyroidectomy volume ^b						
Low	REF	—	—	REF	—	—
High	0.98	[0.86–1.12]	0.79	0.92	[0.83–1.03]	0.14
Unknown	1.05	[0.85–1.30]	0.66	1.07	[0.91–1.26]	0.39

^aExlihauser comorbidity index diagnosis or two years prior to diagnosis, cancer was excluded as a comorbidity.

^bHigh-volume thyroidectomy hospital defined as the top 10% of hospitals performing thyroidectomies.