

Table S1 All MSAs' cancer incidence and environmental data

Metropolitan statistical areas	State (s)	Thyroid cancer incidence age-adjusted rate (per 100,000)	OC (%)	BP (mmHg)	Altitude (meter)	NBR (mRem/year)
Akron, OH	OH	11.1	97	723	305	77
Albany-Schenectady-Troy, NY	NY	14.7	99	752	63	51
Albuquerque, NM	NM	16.4	53	565	1619	145
Allentown-Bethlehem-Easton, PA-NJ	PA-NJ	20.2	99	747	107	51
Atlanta-Sandy Springs-Roswell, GA	GA	10.8	96	721	320	54
Augusta-Richmond County, GA-SC	GA-SC	9.7	91	755	45	51
Austin-Round Rock, TX	TX	14.5	98	742	149	51
Bakersfield, CA	CA	11.7	99	745	123	74
Baltimore-Columbia-Towson, MD	MD	11.5	100	759	9	51
Baton Rouge, LA	LA	9.9	100	758	17	51
Birmingham-Hoover, AL	AL	8.8	98	737	187	51
Boston-Cambridge-Newton, MA-NH	MA-NH	17.3	99	755	43	51
Bridgeport-Stamford-Norwalk, CT	CT	17.8	100	759	12	51
Buffalo-Cheektowaga-Niagara Falls, NY	NY	14.4	98	738	183	51
Charleston-North Charleston, SC	SC	9.8	100	759	6	51
Charlotte-Concord-Gastonia, NC-SC	NC-SC	10.5	97	732	229	51
Cleveland-Elyria, OH	OH	12.9	98	732	230	74
Colorado Springs, CO	CO	15.5	81	538	1841	156
Columbia, SC	SC	9.1	99	749	89	51
Columbus, OH	OH	12.7	97	731	242	74
Dallas-Fort Worth-Arlington, TX	TX	11.2	98	744	131	51
Dayton-Kettering, OH	OH	11.4	97	729	255	74
Des Moines-West Des Moines, IA	IA	11.6	97	725	291	74
Detroit-Warren-Dearborn, MI	MI	12.3	98	737	190	74
El Paso, TX	TX	14.5	88	753	56	51
Fresno, CA	CA	12.1	99	736	201	74
Grand Rapids-Wyoming, MI	MI	9.5	98	727	271	74
Greensboro-High Point, NC	NC	10.6	97	725	293	51
Greenville-Anderson-Mauldin, SC	SC	10.9	97	747	109	51
Harrisburg-Carlisle, PA	PA	13.2	99	758	18	51
Hartford-West Hartford-East Hartford, CT	CT	12.2	100	758	18	51
Houston-The Woodlands-Sugar Land, TX	TX	9.8	100	757	26	51
Jacksonville, FL	FL	11.2	100	759	5	51

Table S1 (continued)

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Metropolitan statistical areas	State (s)	Thyroid cancer incidence age-adjusted rate (per 100,000)	OC (%)	BP (mmHg)	Altitude (meter)	NBR (mRem/year)
Knoxville, TN	TN	12.3	97	727	276	74
Lansing-East Lansing, MI	MI	11.6	97	728	269	74
Los Angeles-Long Beach-Anaheim, CA	CA	11.6	99	750	83	74
Louisville/Jefferson County, KY-IN	KY-IN	11.6	98	743	140	74
Madison, WI	WI	13.5	97	728	269	74
McAllen-Edinburg-Mission, TX	TX	11.7	100	757	26	51
Miami-Fort Lauderdale-West Palm Beach, FL	FL	13.4	100	760	2	51
Milwaukee-Waukesha-West Allis, WI	WI	10.6	98	737	188	74
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	SC-NC	10.1	100	760	3	51
Nashville-Davidson-Murfreesboro-Franklin, TN	TN	12.6	98	740	170	74
New Haven-Milford, CT	CT	17.6	100	760	3	51
New Orleans-Metairie, LA	LA	10.4	100	760	1	51
New York-Newark-Jersey City, NY-NJ-PA	NY-NJ-PA	16.2	100	760	4	51
North Port-Sarasota-Bradenton, FL	FL	8.9	100	751	74	51
Oklahoma City, OK	OK	9.9	96	712	396	77
Omaha-Council Bluffs, NE-IA	NE-IA	12.2	96	724	298	74
Orlando-Kissimmee-Sanford, FL	FL	11.1	100	757	25	51
Oxnard-Thousand Oaks-Ventura, CA	CA	13.7	100	754	53	74
Pensacola-Ferry Pass-Brent, FL	FL	8.5	100	758	17	51
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	PA-NJ-DE-MD	16.4	100	755	39	51
Phoenix-Mesa-Scottsdale, AZ	AZ	13.3	96	720	331	121
Pittsburgh, PA	PA	18.1	97	733	224	51
Portland-Vancouver-Hillsboro, OR-WA	OR-WA	11.6	100	758	15	74
Poughkeepsie-Newburgh-Middletown, NY	NY	17.4	99	755	41	51
Providence-Warwick, RI-MA	RI-MA	16.3	99	758	19	51
Raleigh, NC	NC	10.8	99	749	93	51
Riverside-San Bernardino-Ontario, CA	CA	10.5	97	725	288	74
Rochester, NY	NY	11.7	98	741	156	51
Sacramento-Roseville-Arden-Arcade, CA	CA	11.3	100	759	8	74
Salt Lake City, UT	UT	14.7	86	605	1288	137
San Antonio-New Braunfels, TX	TX	12.6	98	736	198	51
San Diego-Carlsbad, CA	CA	11.1	100	758	19	74
San Francisco-Oakland-Hayward, CA	CA	9.7	100	758	16	74

Table S1 (continued)

Table S1 (*continued*)

Metropolitan statistical areas	State (s)	Thyroid cancer incidence age-adjusted rate (per 100,000)	OC (%)	BP (mmHg)	Altitude (meter)	NBR (mRem/year)
San Jose-Sunnyvale-Santa Clara, CA	CA	10.6	100	757	26	74
Scranton-Wilkes-Barre-Hazleton, PA	PA	19.1	97	733	220	51
Seattle-Tacoma-Bellevue, WA	WA	12.2	98	741	158	74
Springfield, MA	MA	11	100	753	62	51
St. Louis, MO-IL	MO-IL	10.4	98	743	142	74
Stockton-Lodi, CA	CA	10.6	100	759	6	74
Syracuse, NY	NY	14.1	99	745	125	51
Tampa-St. Petersburg-Clearwater, FL	FL	10.4	100	758	14	51
Toledo, OH	OH	11.1	98	737	188	74
Tucson, AZ	AZ	12.3	92	672	728	125
Tulsa, OK	OK	11.2	98	733	221	74
Winston-Salem, NC	NC	9.1	97	725	293	51
Worcester, MA-CT	MA-CT	14.8	98	742	146	51
Youngstown-Warren-Boardman, OH-PA	OH-PA	11.7	97	725	294	74

BP, barometric pressure; MSA, metropolitan statistical area; NBR, natural background radiation; OC, oxygen concentration.