

Supplemental Material: Childhood Hematologic Cancer and Residential Proximity to Oil and Gas Development in Rural Colorado

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S7 Table: Adjusted logistic regression model 2 for association between annual inverse distance weighted well count within 16.1-kilometer radius of residence at diagnosis averaged over exposure period and non-Hodgkin lymphoma

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Odds Ratio Estimates		
Effect	Point Estimate	95% Wald Confidence Limits
Low Tertile^a	1.177	0.487 2.844
Medium Tertile^a	0.632	0.247 1.620
High Tertile^a	0.985	0.389 2.494
White Hispanic^b	0.431	0.126 1.482
Other race^b	2.615	1.038 6.590
Female^c	0.487	0.252 0.943
0-4 years^d	0.504	0.169 1.503
5-9 years^d	3.177	1.213 8.324
10 -14 years^d	1.912	0.770 4.748
15-19 years^d	1.081	0.472 2.477
≥9000 feet^e	0.570	0.063 5.186
Zip code level income 21-40 percentile^f	2.141	0.422 10.872
Zip code level income 41-60 percentile^f	8.438	1.615 44.081
Zip code level income 61-80 percentile^f	3.728	0.743 18.691
Zip code level income 81-100 percentile^f	2.517	0.475 13.330
year 1 vs 0^g	1.655	0.525 5.221
year 2 vs 0^g	1.509	0.428 5.321
year 3 vs 0^g	0.846	0.234 3.058
year 4 vs 0^g	1.815	0.585 5.633

Odds Ratio Estimates		
Effect	Point Estimate	95% Wald Confidence Limits
year 5 vs 0 ^g	0.876	0.266 2.886

^alow = first tertile, greater than 0 to 2.7 wells per 1.6 kilometers, medium = second tertile, 2.7 to 31.4 wells per 1.6 kilometers, high = third tertile, more than 31.4 wells per 1.6 kilometers. ^bReference group is white non-Hispanics. ^cReference group is males. ^dReference group is 20-24 years. ^eReference group is < 9000 feet. ^fReference group is 0-20 percentile. ^gReference group is year 0.