

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

Lisa M. McKenzie, William B. Allshouse, Tim E. Byers, Edward J. Bedrick, Berrin Serdar, and John L. Adgate

**S6 Table:** Adjusted logistic regression model 1 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

**S6 Table:** Adjusted logistic regression model 1 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

Effect	Odds Ratio Estimates		
	Point Estimate	95% Wald Confidence Limits	
Low Tertile <sup>a</sup>	1.2	0.51	2.9
Medium Tertile <sup>a</sup>	0.71	0.28	1.8
High Tertile <sup>a</sup>	1.0	0.41	2.6
White Hispanic <sup>b</sup>	0.40	0.12	1.4
Other race <sup>b</sup>	2.4	0.94	5.9
Female <sup>c</sup>	0.48	0.25	0.93
0-4 years <sup>d</sup>	0.57	0.29	1.7
5-9 years <sup>d</sup>	3.1	1.2	8.1
10 -14 years <sup>d</sup>	2.1	0.86	5.2
15-19 years <sup>d</sup>	1.1	0.48	2.5
≥9000 feet <sup>e</sup>	0.60	0.0766	5.4
Zip code level income 21-40 percentile <sup>f</sup>	2.0	0.41	10
Zip code level income 41-60 percentile <sup>f</sup>	7.1	1.4	35
Zip code level income 61-80 percentile <sup>f</sup>	3.4	0.70	17
Zip code level income 81-100 percentile <sup>f</sup>	2.3	0.44	12

<sup>a</sup> low = 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. <sup>b</sup>Reference group is white non-Hispanics. <sup>c</sup>Reference group is males. <sup>d</sup>Reference group is 20-24 years. <sup>e</sup>Reference group is < 9000 feet. <sup>f</sup>Reference group is 0-20 percentile.