

Table 1

Simulation Results of the Quantity of Residual Confounding across Different Degrees of Confounding Assuming the True Association between Exposure and Outcome Is Null (Odds Ratio = 1.0)

True Smoke-Exposure OR	True Smoke-Outcome OR	Crude OR	NLP AOR	ICD-9 AOR	ICD-9 Smoke-Outcome OR	ICD-9 Smoke-Exposure OR
1.50	1.50	1.04	1.02	1.03	1.29	1.31
	5.00	1.15	1.09	1.12	1.31	3.09
	10.00	1.20	1.12	1.16	1.32	5.43
5.00	1.50	1.16	1.09	1.12	3.12	1.31
	5.00	1.67	1.36	1.52	3.10	3.10
	10.00	1.93	1.49	1.71	3.09	5.57
10.00	1.50	1.20	1.12	1.17	5.42	1.30
	5.00	1.93	1.50	1.72	5.53	3.09
	10.00	2.31	1.68	1.99	5.46	5.44

Abbreviations: AOR, adjusted odds ratio; ICD-9, *International Classification of Diseases, Ninth Revision*; NLP, natural language processing; OR, odds ratio.