

Supplementary Online Content

Fontanella CA, Hiance-Steelesmith DL, Phillips GS, et al. Widening rural-urban disparities in youth suicides, United States, 1996-2010. *JAMA Pediatr*. Published online March 9, 2015. doi:10.1001/jamapediatrics.2014.3561.

eTable 1. Description of Rural-Urban Classification Codes

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This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Description of Rural-Urban Classification Codes

Code	Description	Number of counties	Proportion of US population ^a
1	Counties in metro areas of 1 million population or more	413	53.03
2	Counties in metro areas of 250,000 to 1 million population	325	19.73
3	Counties in metro areas of fewer than 250,000 population	351	9.89
4	Urban population of 20,000 or more, adjacent to a metro area	218	5.13
5	Urban population of 20,000 or more, not adjacent to a metro area	105	1.98
6	Urban population of 2,500 to 19,999, adjacent to a metro area	609	5.38
7	Urban population of 2,500 to 19,999, not adjacent to a metro area	450	3.01
8	Completely rural or less than 2,500 urban population, adjacent to a metro area	235	0.86
9	Completely rural or less than 2,500 urban population, not adjacent to a metro area	435	1.00

^aPopulation is from the 2000 US Census.

eTable 2. Age-Adjusted Mortality Rates for Suicides by Poisoning and Other Methods

	1996-1998	1999-2001	2002-2004	2005-2007	2008-2010	slope	p-value
Poisoning							
Males							
1 (most urban)	0.69	0.67	0.64	0.62	0.59	-0.013	0.008
2	0.81	0.78	0.75	0.72	0.69	-0.013	0.011
3	0.76	0.74	0.73	0.72	0.70	-0.006	0.258
4	0.77	0.76	0.76	0.76	0.75	-0.001	0.838
5	0.48	0.50	0.53	0.56	0.59	0.016	0.043
6	0.69	0.66	0.64	0.62	0.60	-0.011	0.078
7	0.84	0.85	0.87	0.88	0.90	0.004	0.518
8/9 (most rural)	0.55	0.57	0.58	0.60	0.62	0.009	0.230
Females							
1 (most urban)	0.44	0.44	0.43	0.43	0.43	-0.003	0.603
2	0.47	0.48	0.48	0.49	0.49	0.002	0.787
3	0.41	0.42	0.43	0.43	0.44	0.003	0.704
4	0.37	0.37	0.37	0.36	0.36	-0.004	0.694
5	0.49	0.51	0.53	0.55	0.58	0.010	0.548
6	0.35	0.37	0.39	0.41	0.43	0.018	0.092
7	0.43	0.46	0.49	0.52	0.56	0.022	0.094
8/9 (most rural)	0.33	0.36	0.39	0.42	0.46	0.032	0.062
Other							
Males							
1 (most urban)	0.87	0.89	0.91	0.93	0.95	0.007	0.124
2	0.66	0.67	0.69	0.70	0.71	0.006	0.193
3	0.58	0.60	0.63	0.66	0.68	0.013	0.012
4	0.53	0.56	0.60	0.63	0.67	0.018	0.003
5	0.49	0.55	0.62	0.70	0.78	0.036	< 0.001
6	0.43	0.45	0.46	0.47	0.48	0.009	0.137
7	0.53	0.58	0.62	0.68	0.73	0.024	< 0.001
8/9 (most rural)	0.46	0.50	0.55	0.60	0.65	0.029	< 0.001

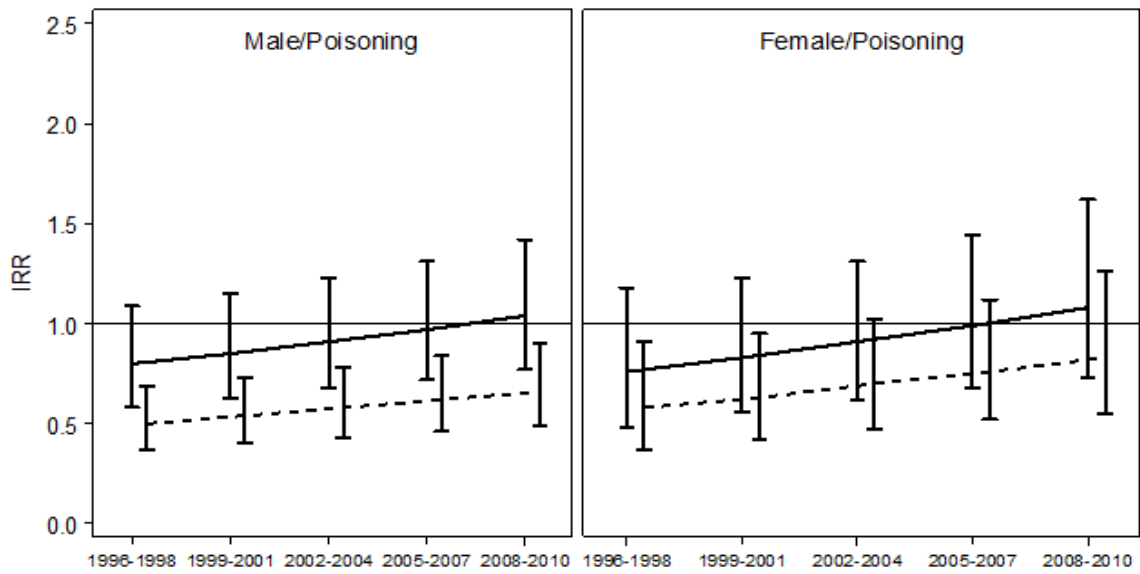
Females							
1 (most urban)	0.25	0.25	0.24	0.24	0.23	-0.003	0.758
2	0.20	0.20	0.20	0.20	0.20	0.002	0.789
3	0.16	0.16	0.16	0.16	0.16	0.004	0.718
4	0.16	0.16	0.15	0.15	0.15	-0.004	0.762
5	0.17	0.18	0.18	0.19	0.19	0.010	0.558
6	0.14	0.15	0.15	0.16	0.17	0.019	0.129
7	0.16	0.17	0.18	0.19	0.20	0.023	0.120
8/9 (most rural)	0.13	0.14	0.15	0.16	0.17	0.033	0.072

Note. Suicide rates per 100,000 population.

eFigure. Adolescent Suicide Incidence Rate Ratio (IRR) for the Most Rural County Type Relative to the Most Urban County Type for Males and Females by Poisoning (A) and Other Methods (B), US 1996-2010

Legend
 — Age-adjusted rates
 - - - - Age- and contextually adjusted rates
 Error bars are 95% confidence intervals for the IRR

(A) Poisoning



(B) Other Methods

