

Supplementary Table 1: Firearm related trends in death, annual rate of change in death, lives lost and saved in the United States by states, WISQARS 2000 to 2010.

	Age-adjusted firearm deaths per 100,000 population												Change in rate			Lives lost/ saved (-)	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total	Annual	95% CI	P-trend	11 years	Per year
All	10.14	10.31	10.43	10.29	9.99	10.27	10.22	10.24	10.23	10.05	10.07	10.21	-0.17	-0.044, 0.010	0.181	-5527.8	-502.5
Northeast																	
Massachusetts	2.73	3.00	3.13	3.09	3.16	3.42	3.22	3.55	3.34	3.1	4.03	3.24	0.074	0.025, 0.122	0.008	52.4	4.8
Rhode Island	5.10	4.30	5.14	3.12	3.61	3.60	4.21	3.40	3.94	5.02	4.60	4.18	-0.013	-0.180, 0.155	0.869	-1.5	-0.1
New Jersey	4.11	4.44	4.88	5.42	5.37	5.15	5.82	5.25	4.94	4.70	5.20	5.03	0.063	-0.035, 0.161	0.182	59.8	5.4
Connecticut	5.32	5.63	4.32	4.37	5.00	5.34	4.99	4.15	5.60	4.90	5.85	5.04	0.028	-0.103, 0.159	0.637	10.8	1.0
New York	5.70	5.54	5.13	5.32	4.88	5.21	5.14	5.04	4.90	4.79	5.07	5.15	-0.064	-0.104, -0.023	0.006	-134.9	-12.3
New Hampshire	6.27	7.23	5.91	6.8	5.02	6.62	6.22	5.56	6.86	6.34	8.22	6.49	0.065	-0.126, 0.255	0.461	9.2	0.8
Maine	8.55	7.29	6.63	6.02	7.9	7.71	7.28	7.61	8.42	8.58	7.86	7.61	0.100	-0.077, 0.277	0.232	14.4	1.3
Vermont	8.74	8.20	9.74	7.58	9.41	6.79	8.14	8.08	8.19	8.72	10.21	8.53	0.037	-0.222, 0.296	0.753	2.5	0.2
Pennsylvania	10.15	9.53	9.96	9.87	10.2	10.76	10.9	10.52	10.53	10.41	10.11	10.27	0.064	-0.014, 0.142	0.095	87.8	8.0
Midwest																	
Iowa	6.46	6.37	6.73	6.94	6.45	6.71	6.34	4.99	7.25	6.23	6.8	6.5	-0.017	-0.157, 0.124	0.796	-5.6	-0.5
Minnesota	6.34	6.49	6.06	6.5	7.04	6.94	6.3	6.48	6.97	6.17	6.76	6.57	0.024	-0.053, 0.101	0.495	13.5	1.2
Nebraska	9.77	8.12	8.05	7.64	6.71	7.67	7.69	7.95	8.27	7.26	8.16	7.94	-0.071	-0.231, 0.090	0.346	-13.8	-1.3
Wisconsin	7.99	8.70	8.08	8.44	7.37	8.48	7.56	8.54	7.72	7.91	8.57	8.14	-0.008	-0.113, 0.096	0.859	-4.9	-0.4
North Dakota	6.6	7.6	9.12	8.83	7.5	8.9	6.62	8.27	8.51	8.92	9.56	8.23	0.155	-0.086, 0.395	0.180	11.1	1.0
Illinois	9.00	10.21	9.69	9.01	7.8	8.01	8.08	8.03	8.55	8.17	8.19	8.61	-0.155	-0.286, -0.025	0.025	-215.3	-19.6
South Dakota	7.47	7.1	7.91	9.86	9.97	10.2	9.74	6.14	10.5	9.31	9.23	8.89	0.157	-0.168, 0.481	0.304	13.5	1.2
Ohio	7.81	9.00	9.31	8.12	8.97	9.63	9.66	9.55	9.67	8.5	9.95	9.1	0.122	-0.010, 0.253	0.066	153.8	14.0
Kansas	11.15	9.93	9.7	11.13	10.73	9.25	10.84	10.35	9.7	10.76	10.44	10.37	-0.012	-0.158, 0.135	0.860	-3.6	-0.3
Michigan	10.83	10.83	10.99	10.33	10.52	10.78	11.53	11.03	10.96	11.07	10.98	10.9	0.037	-0.034, 0.109	0.271	40.6	3.7
Indiana	10.88	11.82	11.68	11.19	10.22	11.11	11.63	10.5	11.24	11.33	10.82	11.13	-0.031	-0.143, 0.081	0.546	-21.4	-1.9
Missouri	13.24	13.14	12.21	11.42	11.44	12.9	13	12.79	13.74	13.71	13.93	12.88	0.135	-0.036, 0.306	0.108	86.1	7.8

South																	
Delaware	6.66	9.47	9.07	7.86	8.78	8.78	9.19	8.91	10.65	8.76	9.88	8.89	0.201	-0.018, 0.419	0.067	18.7	1.7
Virginia	11.13	10.61	11.01	10.86	10.81	11.48	10.36	10.4	10.18	10.28	10.69	10.71	-0.068	-0.149, 0.014	0.092	-56.6	-5.1
Texas	10.57	11.22	10.83	11.21	10.66	11.09	10.47	10.89	10.83	10.98	10.93	10.89	0.001	-0.054, 0.056	0.976	2.5	0.2
Florida	10.19	10.68	10.97	11.05	10.46	9.95	11.05	12.02	12.18	11.98	11.44	11.12	0.160	0.038, 0.282	0.016	310.1	28.2
Maryland	11.91	11.46	11.54	11.96	11.93	11.86	12.1	12.04	11.61	10.19	9.26	11.39	-0.169	-0.335, -0.002	0.048	-103.5	-9.4
North Carolina	13.56	13.06	13.43	12.35	12.21	12.74	12.55	12.17	12.31	11.59	11.57	12.49	-0.174	-0.255, -0.092	0.001	-168.1	-15.3
Georgia	13.4	13.44	13.39	13.72	12.16	12.05	12.54	13.4	12.43	13.06	12.62	12.92	-0.076	-0.197, 0.045	0.189	-75.0	-6.8
Kentucky	13.25	12.69	13.04	13.38	13.04	12.94	12.47	14.11	13.28	12.78	12.48	13.05	-0.020	-0.140, 0.010	0.713	-9.2	-0.8
Oklahoma	13.21	14.01	12.81	12.77	12.86	13.15	13.26	13.18	13.91	14.33	14.31	13.45	0.105	-0.028, 0.238	0.108	41.3	3.8
South Carolina	12.42	13.72	13.69	14.17	13.5	13.75	13.88	13.09	13.17	13.52	13.92	13.55	0.032	-0.088, 0.152	0.561	15.2	1.4
West Virginia	12.99	13.15	14.67	14.01	13.6	13.72	13.32	14.06	12.66	13.21	14.23	13.6	0.002	-0.183, 0.188	0.978	0.4	0.0
Tennessee	15.63	14.47	15.4	14.11	14.54	16.03	15.3	14.74	15.46	15.06	14.42	15.03	-0.013	-0.148, 0.123	0.837	-8.6	-0.8
Arkansas	15.42	15.27	16.29	14.96	14.65	15.62	15.12	15.09	15.6	16.03	14.39	15.31	-0.033	-0.193, 0.126	0.648	-10.1	-0.9
Alabama	17.14	16.41	16.08	16.8	14.79	15.99	16.7	17.24	17.31	17.18	16.18	16.53	0.045	-0.128, 0.217	0.574	22.8	2.1
Mississippi	16.56	17.64	17.34	16.81	16.41	15.98	16.54	18.28	19.25	16.65	16.05	17.06	0.015	-0.209, 0.239	0.883	4.8	0.4
Louisiana	17.58	17.46	19.31	18.61	19.52	18.35	19.02	19.77	18.34	18.03	19.11	18.62	0.082	-0.081, 0.244	0.286	40.4	3.7
District of Columbia	22.24	25.46	29.79	25.71	22.64	23.47	19.99	21.66	20.01	15.96	14.62	21.71	-1.067	-1.621, -0.512	0.002	-67.7	-6.2
West																	
Hawaii	4.2	3.74	2.82	2.88	3.1	2.14	2.38	2.44	3.04	3.34	3.21	3.02	-0.057	-0.190, 0.076	0.359	-8.1	-0.7
Washington	8.94	8.53	9.34	9.17	9.17	8.8	8.37	8.32	8.69	9.14	8.92	8.85	-0.018	-0.099, 0.063	0.623	-12.5	-1.1
California	9.27	9.31	9.75	9.78	9.24	9.52	9.15	8.84	8.5	8.17	7.7	9.01	-0.166	-0.249, -0.083	0.001	-652.3	-59.3
Utah	9.93	10.99	9.6	10.51	10.13	9.91	9.75	10.63	9.68	10.46	12.16	10.39	0.081	-0.077, 0.240	0.276	22.1	2.0
Oregon	10.81	10.16	10.49	10.72	10.36	10.68	10.16	9.91	9.73	10.31	11.33	10.44	-0.011	-0.127, 0.106	0.839	-4.4	-0.4
Colorado	10.36	11.68	11.47	11.13	11.96	11.53	10.33	10.38	10.39	11.58	10.72	11.05	-0.045	-0.183, 0.092	0.474	-23.1	-2.1
Idaho	10.19	13.5	12.42	12.33	13.04	13.94	12.69	12.75	11.4	12.85	12.73	12.56	0.077	-0.148, 0.302	0.459	12.1	1.1
Wyoming	11.72	13.91	18.87	17.46	11.15	13.39	14.85	14.66	16.91	17.59	15.54	15.09	0.267	-0.257, 0.791	0.279	15.3	1.4
Montana	14.85	17.77	14.61	15.68	13.05	16.85	12.25	13.54	15.73	16.04	15.56	15.11	-0.040	-0.420, 0.341	0.819	-4.2	-0.4

New Mexico	16.08	15.26	16.61	17.55	15.15	13.89	14.45	14.85	14.68	14.48	14.84	15.23	-0.184	-0.376, 0.008	0.058	-39.2	-3.6
Arizona	15.58	15.92	17.89	15.29	15.84	16	16.22	15.38	14.36	13.49	14.53	15.47	-0.230	-0.423, -0.036	0.025	-147.2	-13.4
Nevada	17.26	16.54	17.06	17.04	16.74	16.09	16.3	15.87	15.15	15.11	14.49	16.07	-0.264	-0.441, -0.086	0.008	-69.9	-6.4
Alaska	17.96	14.83	19.89	19.24	17.51	17.47	16.94	18.22	20.92	14.68	20.51	18.09	0.102	-0.375, 0.580	0.639	7.5	0.7

All values are age-adjusted rates per 100,000 population.

Change denotes annual change in rate per 100,000. Negative value indicates decline in firearm death rates per 100,000 from 2000 to 2010 and positive value indicates increase in firearm death rate per 100,000 from 2000 to 2010.

CI denotes confidence intervals of the annual change in firearm death rate per 100,000.

P-trend calculated using meta-regression indicates the significance of the decline or the increase in firearm related death rates from 2000 to 2010.

Lives lost or saved are calculated by applying annual change to the total 11-year population from 2000 to 2010. The annual lives lost or saved are the total/ 11 years. Negative denotes lives saved and positive values are lives lost.

Data are from Center for Disease Control and Prevention (CDC)'s National center for Injury Prevention and Control Web-based Injury Statistics Query and Reporting System (WISQARS).

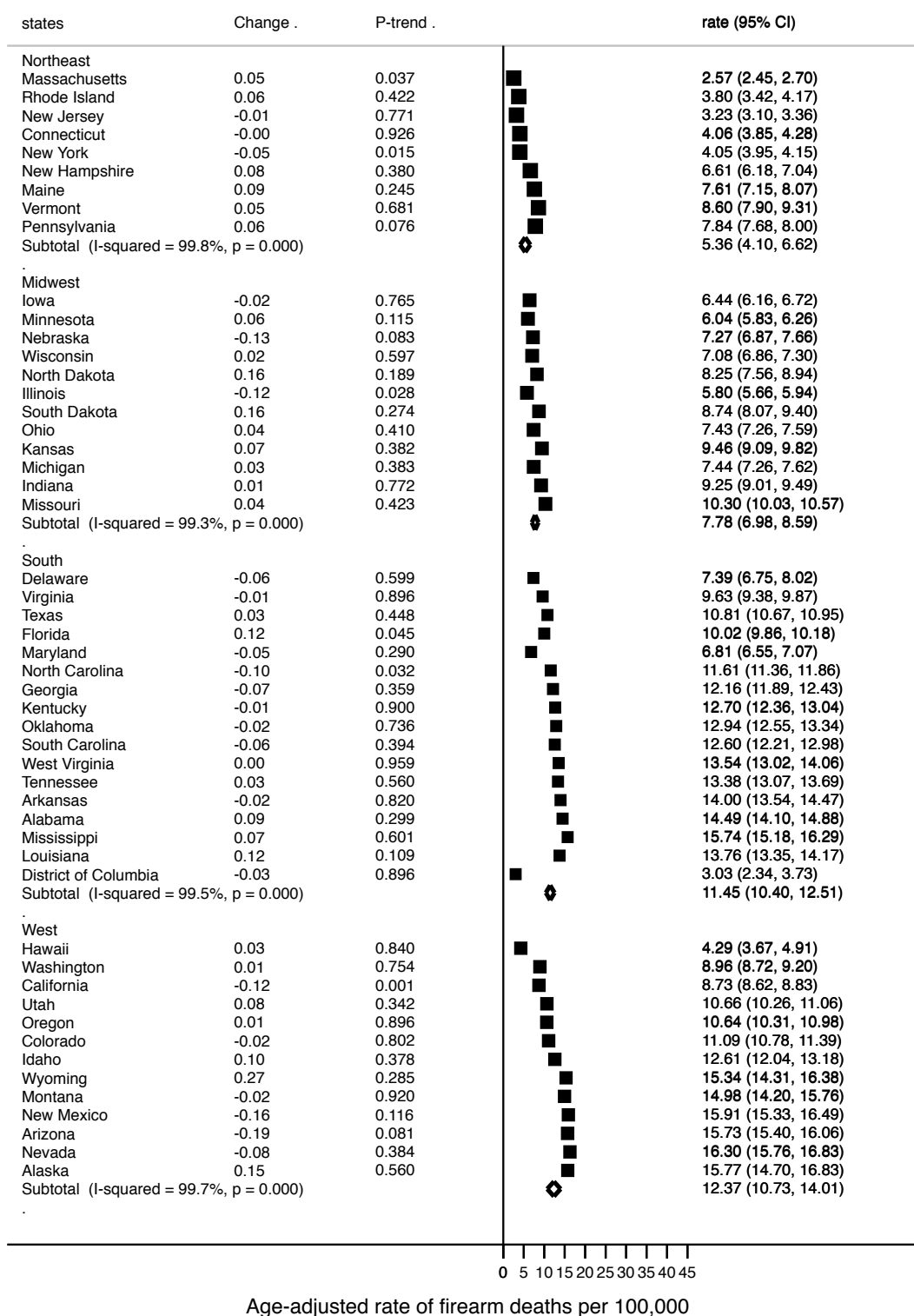
Supplementary Table 2: US states with significant racial and ethnic trends within firearm fatality rates

		GA	IN	KA	MN	OK	OR	PA	TX	UT
Overall	FRF rate	12.92	11.13	10.37	6.57	13.45	10.44	10.27	10.89	10.39
	Change	-0.08	-0.03	-0.01	0.02	0.11	-0.01	0.06	0.001	0.08
	P-trend	0.19	0.55	0.86	0.49	0.11	0.84	0.095	0.98	0.28
Caucasian	FRF rate	12.16	9.25	9.46	6.04	12.94	10.64	7.84	10.81	10.66
	Change	-0.07	0.01	0.07	0.06	-0.02	0.01	0.06	0.03	0.08
	P-trend	0.36	0.77	0.38	0.12	0.74	0.89	0.076	0.45	0.34
	Pop % change	-3.8	-2.0	-1.7	-3.3	-2.2	-2.0	-2.6	-2.3	-1.4
African American	FRF rate	14.05	28.92	24.14	13.52	20.04	11.47	27.48	13.37	7.73
	Change	-0.06	-0.66	-1.07	-0.61	0.93	-0.67	-0.14	-0.09	ne
	P-trend	0.57	0.012	0.021	0.038	0.008	0.23	0.59	0.60	ne
	Pop % change	2.3	1.2	0.6	1.9	0.4	0.4	1.3	0.6	0.5
Other	FRF rate	4.89	2.01	3.36	5.23	9.11	4.49	2.12	3.21	4.59
	Change	-0.32	ne	ne	-0.35	0.37	-0.07	-0.20	-0.19	ne
	P-trend	0.089	ne	ne	0.18	0.062	0.70	0.35	0.033	ne
	Pop % change	1.5	0.8	1.0	1.4	1.8	1.5	1.2	1.7	0.9
Hispanic	FRF rate	8.02	8.19	8.05	4.65	7.92	4.83	9.11	7.04	7.88
	Change	-0.54	-0.18	-0.15	-0.48	-0.26	-0.33	-0.39	-0.21	-0.79
	P-trend	0.012	0.33	0.49	0.31	0.21	0.037	0.065	0.004	0.030
	Pop % change	3.5	2.5	3.5	1.8	3.7	3.7	2.5	5.6	3.9
Non-Hispanic	FRF rate	13.15	11.18	10.38	6.60	13.73	10.76	10.25	12.28	10.53
	Change	-0.02	-0.04	0.01	0.05	0.15	0.03	0.08	0.14	-0.15
	P-trend	0.73	0.45	0.91	0.21	0.045	0.56	0.039	0.022	0.001
	Pop % change	-3.5	-2.5	-3.5	-1.8	-3.7	-3.7	-2.5	-5.6	-3.9
Intent	Homicide	↔	↔	↔	↔	↔	↔	↔	↔	↔
	Suicides	↔	↔	↔	↔	↔	↔	↔	↔	↔
	Undetermined	↔	ne	ne	ne	ne	ne	↔	↔	ne
	Unintentional	↔	↔	↔	ne	↔	ne	↔	↔	ne

FRF: firearm related fatality, Pop % change: change in population percentage from 2000 to 2010. All values are age-adjusted rates per 100,000 population. Change denotes annual change in rate per 100,000. Negative value indicates decline in firearm death rates per 100,000 from 2000 to 2010 and positive value indicates increase in firearm death rate per 100,000 from 2000 to 2010. CI denotes confidence intervals of the annual change in firearm death rate per 100,000. SMD indicates standardized mean difference; is equal to annual change/standard deviation. P-trend calculated using meta-regression indicates the significance of the decline or the increase in firearm related death rates from 2000 to 2010. Data are from Center for Disease Control and Prevention (CDC)'s National center for Injury Prevention and Control Web-based Injury Statistics Query and Reporting System (WISQARS)

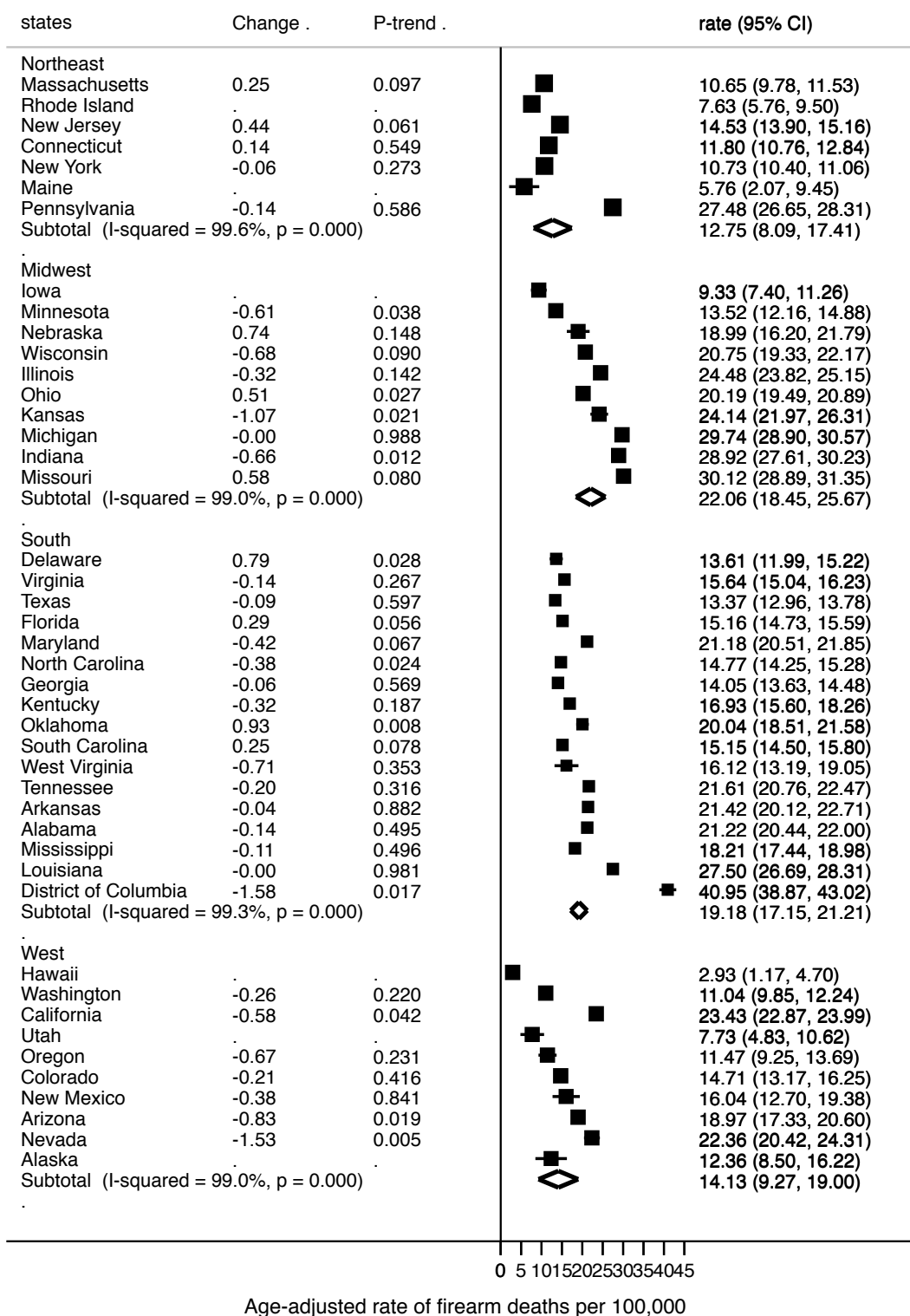
Supplementary Figure 1A

Firearm deaths from 2000 to 2010 by U.S census regions among Caucasians



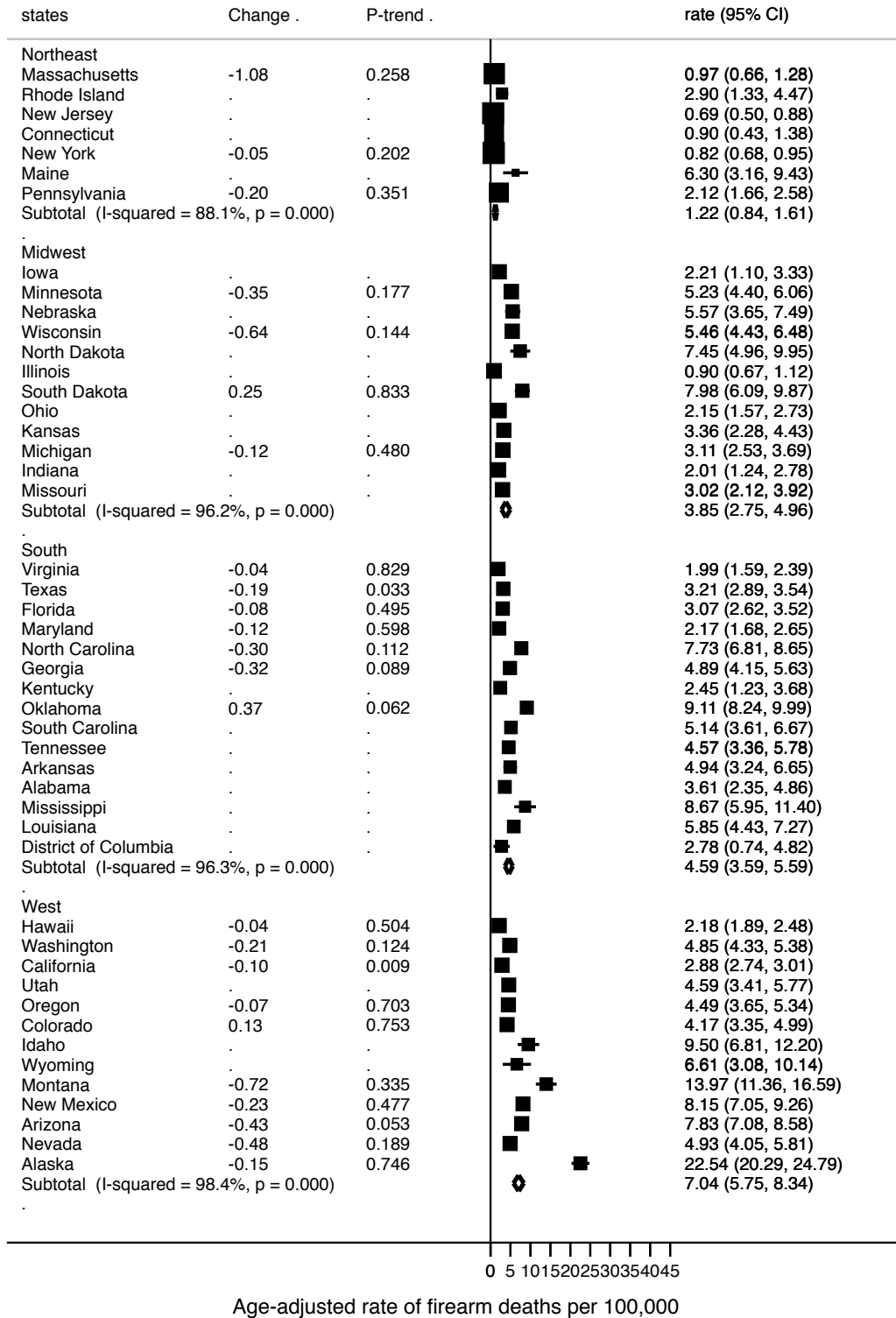
Supplementary Figure 1B

Firearm deaths from 2000 to 2010 by U.S census regions among African-Americans



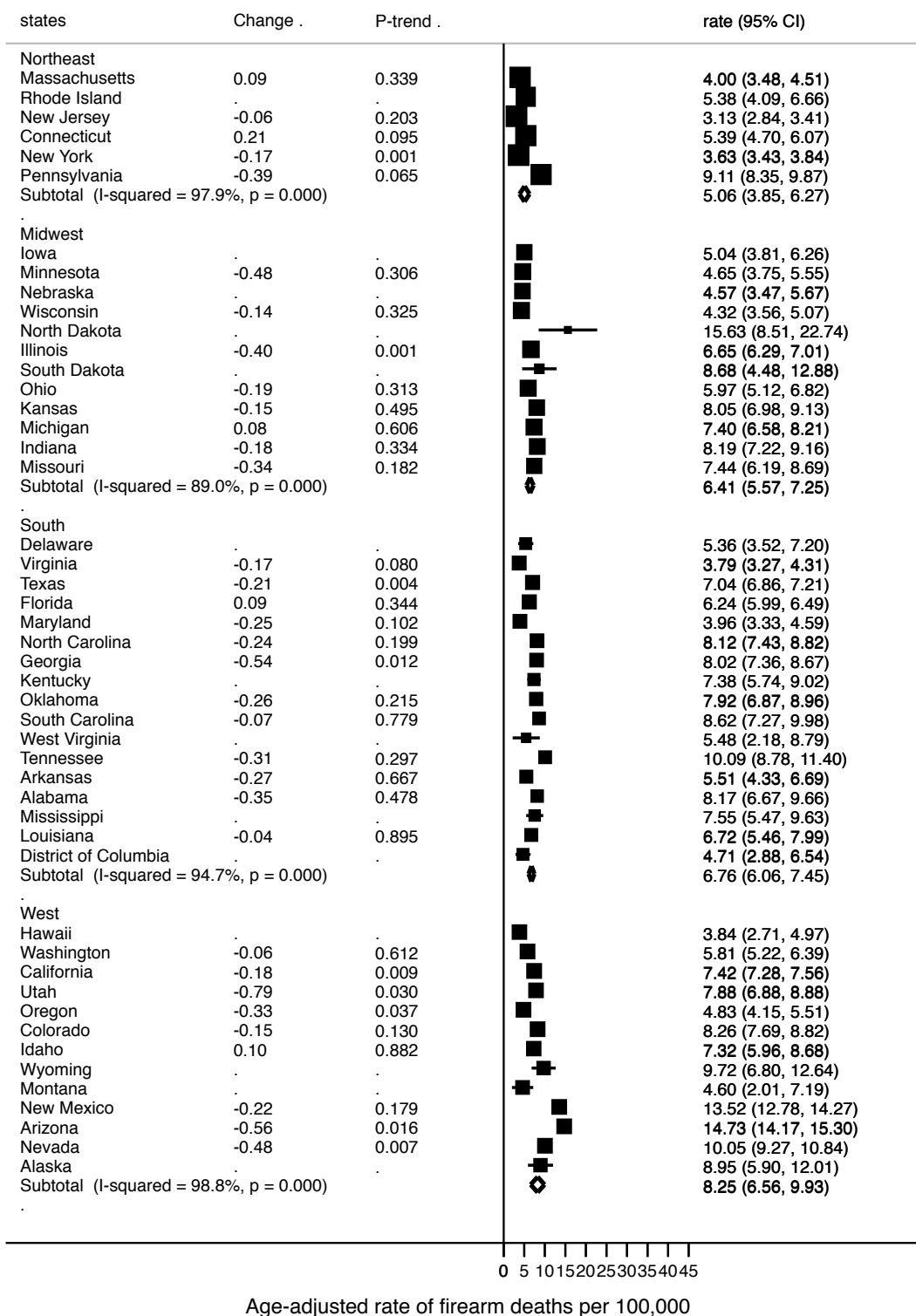
Supplementary Figure 1C

Firearm deaths from 2000 to 2010 by U.S census regions among other race



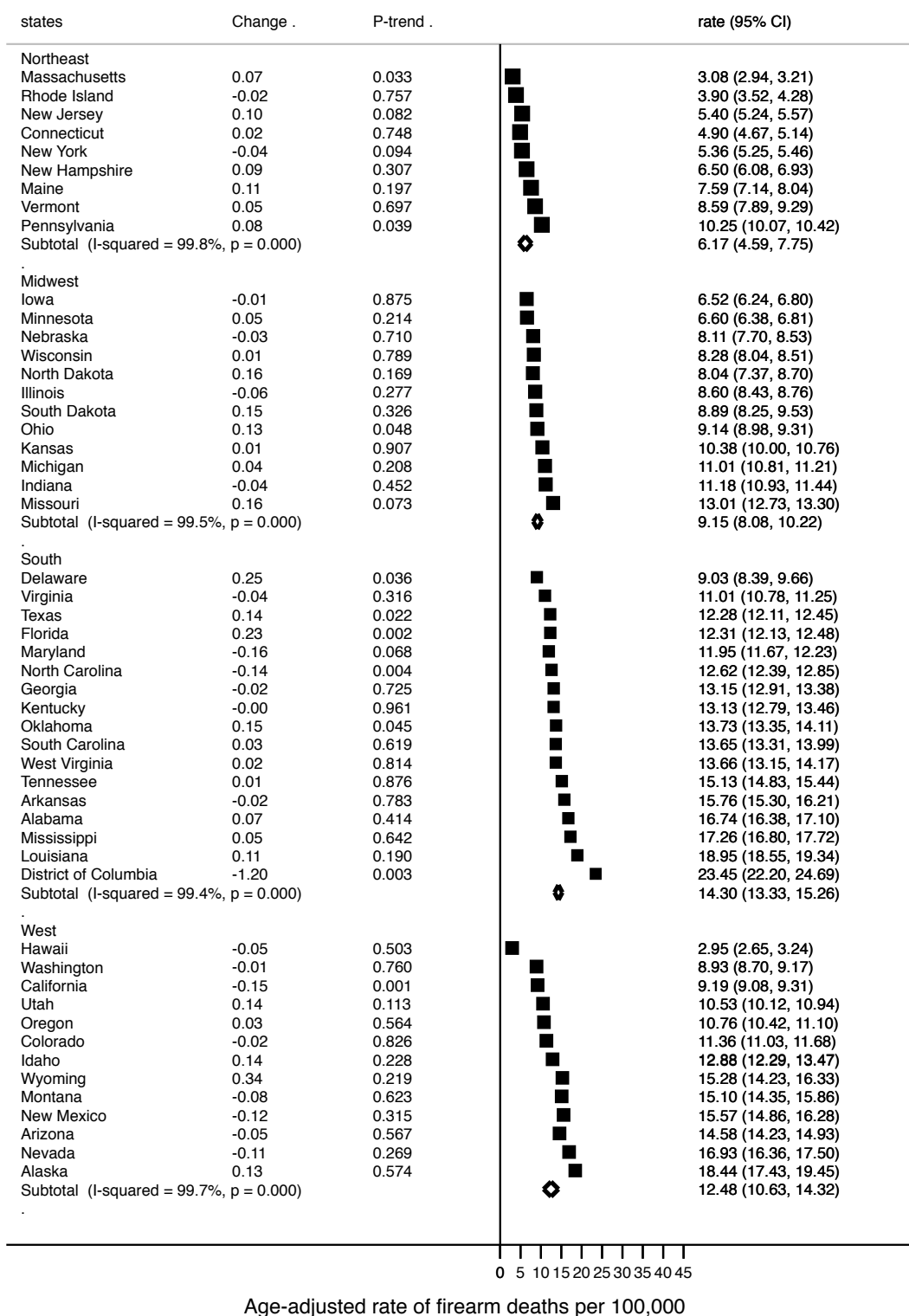
Supplementary Figure 2A:

Firearm deaths from 2000 to 2010 by U.S census regions among Hispanics



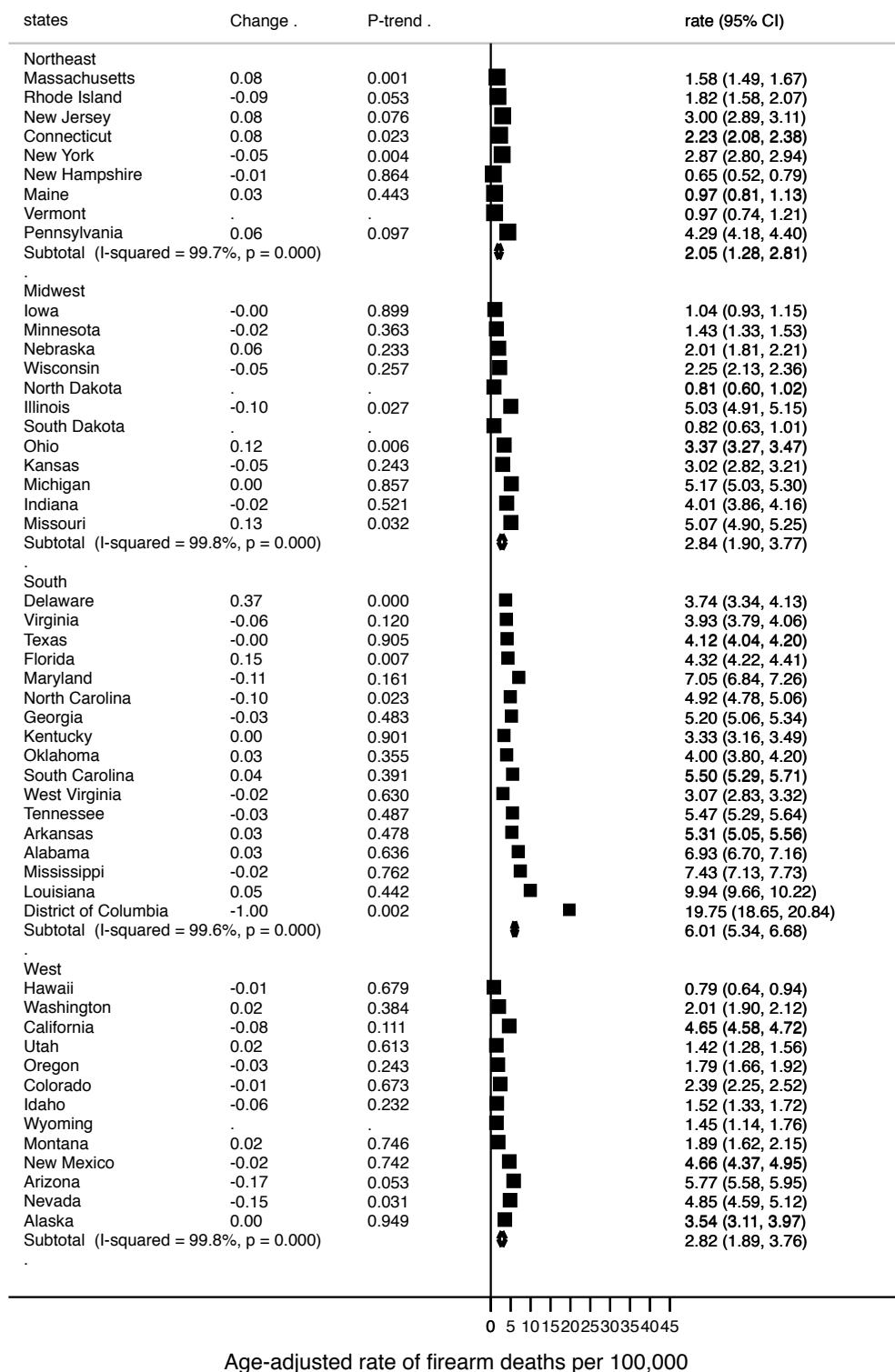
Supplementary Figure 2B:

Firearm deaths from 2000 to 2010 by U.S census regions among non-Hispanics



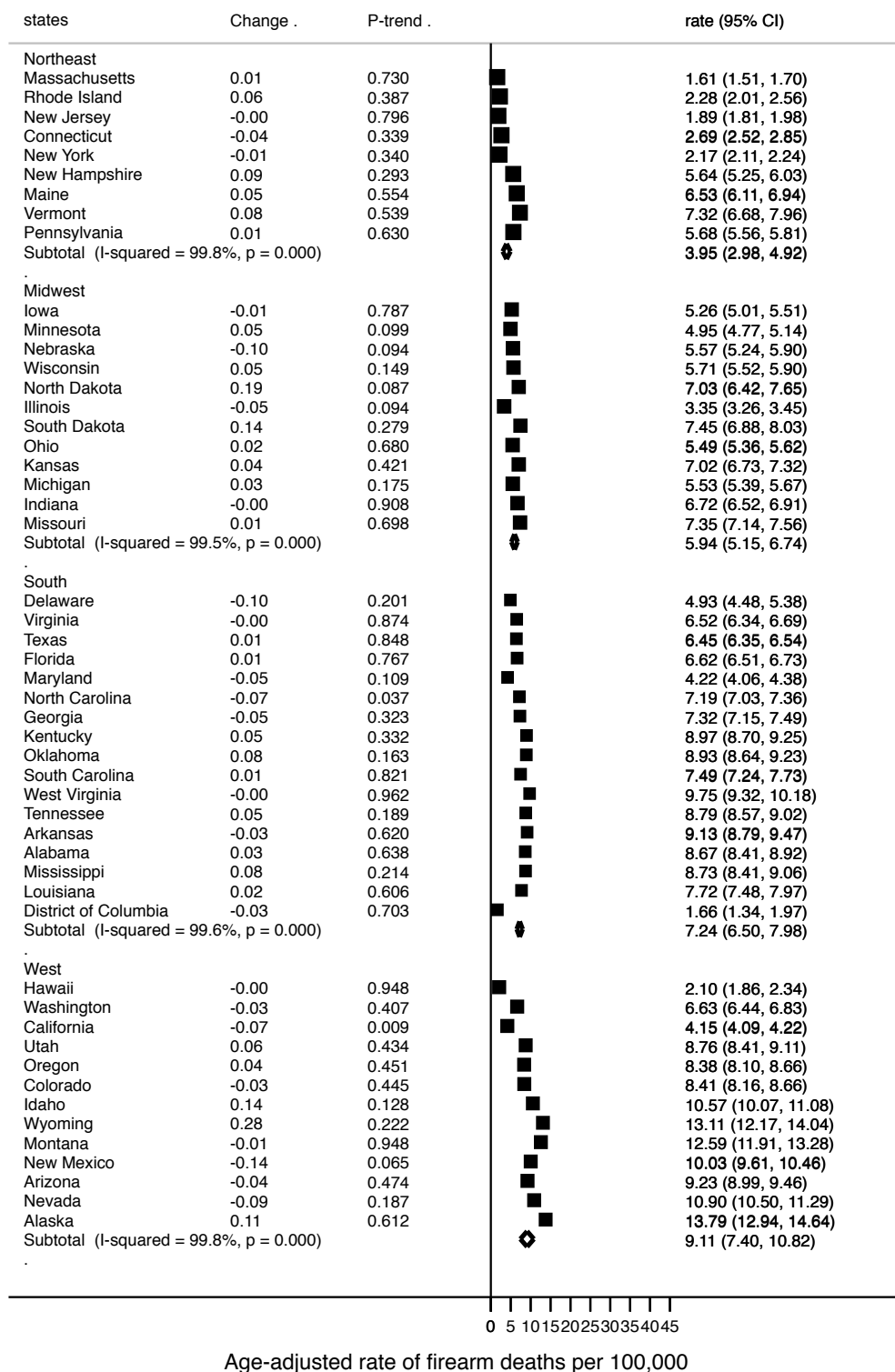
Supplementary Figure 3A:

Firearm deaths due to homicide from 2000 to 2010 by U.S census regions



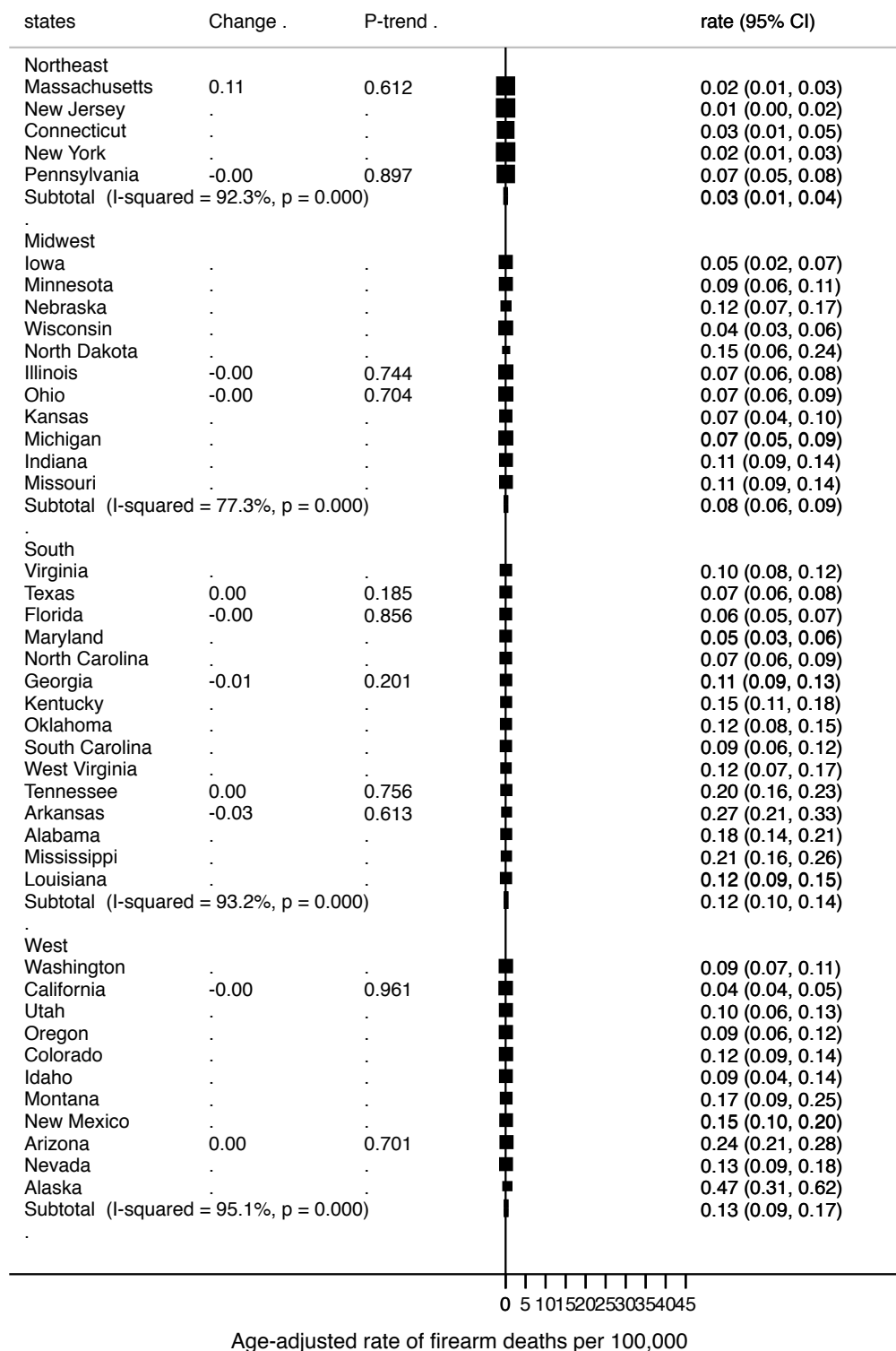
Supplementary Figure 3B:

Firearm deaths due to suicides from 2000 to 2010 by U.S census regions



Supplementary Figure 3C:

Undetermined firearm deaths from 2000 to 2010 by U.S census regions



Supplementary Figure 3D:

Unintentional firearm deaths from 2000 to 2010 by U.S census regions

