

# Tables testing

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Table 1: County-level allcause mortality rate (2000, 2010, 2015)

	1	2	3	4	5	6	7
Intercept	0	0	0	0	0	0	0
Male	-	-	-	-	-	-	-
Female	0.59	0.59	0.59	0.65	0.59	0.64	0.61
2000	-	-	-	-	-	-	-
2010	0.9	0.85	0.95	0.94	0.91	0.94	0.9
2015	0.93	0.88	0.97	0.97	0.95	1.03	0.99
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Age 35-39	1.55	1.55	1.55	1.55	1.56	1.56	1.56
Age 40-44	2.2	2.21	2.21	2.2	2.21	2.21	2.22
Age 45-49	3.35	3.36	3.35	3.34	3.36	3.36	3.37
Age 50-54	5.07	5.08	5.08	5.06	5.09	5.08	5.09
Age 55-59	7.59	7.59	7.6	7.55	7.62	7.59	7.59
Age 60-64	11.07	11.06	11.09	11	11.13	11.05	11.04
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.85	0.95	0.86	0.86	0.89	0.94	0.82
Md/Sm metro	1.03	0.96	1.05	0.92	1.03	0.95	0.85
Nonmetro	1.12	0.92	1.08	0.9	1.14	0.92	0.83
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.38	1.27	1.42	0.99	1.23	1.03	1.08
East South Central	1.53	1.37	1.56	1.06	1.16	1.04	1.1
Mountain	1.12	1.14	1.1	1.02	1.08	1.02	1.08
West South Central	1.31	1.22	1.29	1.01	1.12	1.04	1.08
New England	1	1.12	1.15	0.94	1	1.02	1.1
South Atlantic	1.33	1.25	1.4	1.04	1.08	1.04	1.12
East North Central	1.21	1.19	1.28	0.92	1.07	0.99	1.07
West North Central	1.05	1.12	1.14	0.86	0.98	0.96	1.05
Middle Atlantic	1.11	1.08	1.15	0.95	1.08	0.98	1.06
<b>Contextual</b>							
College	-	0.86	-	-	-	0.94	0.95
Poverty	-	1.1	-	-	-	1.06	1.01
Transfers	-	1.05	-	-	-	1.06	1.09
Manufacturing	-	0.98	-	-	-	0.98	0.99
Percent Black	-	-	-	-	1.14	1.05	1.04
Percent Hispanic	-	-	-	-	1.01	0.98	0.97
Percent Foreign-born	-	-	-	-	0.87	0.91	0.77
Obesity	-	-	-	1.11	-	1	1.01
Heavy drinking	-	-	-	0.97	-	0.98	0.99
Smoking	-	-	-	1.2	-	1.11	1.05
MDs/pc	-	-	0.95	-	-	1.04	0.99
Mammography	-	-	0.86	-	-	0.93	0.96
Diabetes monitoring	-	-	0.79	-	-	0.91	0.94
Moran's I	0.45	0.31	0.36	0.29	0.44	0.24	-0.01
DIC	1013124	882178	975484	870628	946986	823908	783633
RMSE	0.00131	0.00108	0.00125	0.00105	0.00119	0.00095	0.00083

Table 2: County-level cardio mortality rate (2000, 2010, 2015)

	1	2	3	4	5	6	7
Intercept	0	0	0	0	0	0	0
Male	-	-	-	-	-	-	-
Female	0.46	0.46	0.46	0.47	0.45	0.47	0.44
2000	-	-	-	-	-	-	-
2010	0.79	0.74	0.84	0.79	0.79	0.82	0.72
2015	0.79	0.75	0.84	0.79	0.8	0.86	0.75
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.87	1.87	1.87	1.87	1.87	1.87	1.88
Age 35-39	3.44	3.45	3.44	3.44	3.46	3.46	3.46
Age 40-44	6.47	6.49	6.48	6.47	6.51	6.51	6.52
Age 45-49	11.44	11.48	11.47	11.43	11.51	11.5	11.52
Age 50-54	19.03	19.07	19.07	18.98	19.15	19.09	19.12
Age 55-59	30.07	30.09	30.13	29.94	30.27	30.11	30.13
Age 60-64	45.87	45.78	45.96	45.6	46.25	45.88	45.87
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.77	0.88	0.78	0.77	0.86	0.89	0.83
Md/Sm metro	0.96	0.88	0.98	0.85	1.02	0.92	0.86
Nonmetro	1.09	0.83	1.02	0.84	1.17	0.89	0.84
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.54	1.38	1.61	1.04	1.37	1.11	1.26
East South Central	1.85	1.59	1.89	1.19	1.3	1.14	1.28
Mountain	1.04	1.08	1.02	0.94	1.01	0.98	1.22
West South Central	1.52	1.38	1.48	1.1	1.25	1.15	1.34
New England	0.94	1.08	1.13	0.89	0.93	0.97	1.13
South Atlantic	1.46	1.36	1.57	1.1	1.09	1.06	1.3
East North Central	1.35	1.3	1.46	1	1.18	1.07	1.24
West North Central	1.08	1.17	1.2	0.88	1.02	1	1.22
Middle Atlantic	1.19	1.15	1.24	0.98	1.11	0.98	1.16
<b>Contextual</b>							
College	-	0.83	-	-	-	0.9	0.94
Poverty	-	1.15	-	-	-	1.06	1.01
Transfers	-	1.05	-	-	-	1.05	1.11
Manufacturing	-	1.01	-	-	-	1	1.01
Percent Black	-	-	-	-	1.21	1.1	1.07
Percent Hispanic	-	-	-	-	1.02	0.98	0.97
Percent Foreign-born	-	-	-	-	0.89	0.95	0.85
Obesity	-	-	-	1.18	-	1.04	1.07
Heavy drinking	-	-	-	0.91	-	0.95	0.96
Smoking	-	-	-	1.21	-	1.1	1.03
MDs/pc	-	-	0.93	-	-	1.03	1.01
Mammography	-	-	0.82	-	-	0.92	0.98
Diabetes monitoring	-	-	0.75	-	-	0.9	0.99
Moran's I	0.49	0.32	0.38	0.32	0.41	0.21	-0.04
DIC	575562	525354	559869	526401	545772	507225	487760
RMSE	0.00053	0.00046	0.00051	0.00046	0.00049	0.00043	0.00038

Table 3: County-level lung mortality rate (2000, 2010, 2015)

	1	2	3	4	5	6	7
Intercept	0	0	0	0	0	0	0
Male	-	-	-	-	-	-	-
Female	0.74	0.74	0.75	0.91	0.74	0.83	0.83
2000	-	-	-	-	-	-	-
2010	0.8	0.8	0.82	0.91	0.82	0.9	0.83
2015	0.75	0.76	0.76	0.89	0.8	0.94	0.86
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.55	1.55	1.54	1.55	1.55	1.55	1.55
Age 35-39	2.97	2.97	2.97	2.97	2.97	2.97	2.98
Age 40-44	7.06	7.05	7.06	7.06	7.06	7.06	7.08
Age 45-49	16.63	16.6	16.63	16.59	16.59	16.59	16.64
Age 50-54	37.28	37.15	37.27	37.09	37.15	37.05	37.17
Age 55-59	73.44	73.03	73.41	72.85	73.13	72.71	72.97
Age 60-64	126.73	125.67	126.65	125.32	126.25	125.02	125.47
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.96	1	0.93	0.97	0.88	0.95	0.86
Md/Sm metro	1.18	1.05	1.16	1.03	1.03	0.94	0.87
Nonmetro	1.35	1	1.22	1.02	1.15	0.89	0.81
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.71	1.51	1.73	1.09	1.37	1.05	0.99
East South Central	1.85	1.63	1.86	1.14	1.36	1.12	1
Mountain	1.02	1.05	1.01	0.87	0.93	0.87	1.01
West South Central	1.41	1.3	1.37	1.01	1.21	1.05	0.97
New England	1.18	1.34	1.34	1.07	1.1	1.12	0.97
South Atlantic	1.49	1.39	1.55	1.08	1.23	1.12	1.02
East North Central	1.45	1.38	1.52	1.01	1.18	1.04	0.97
West North Central	1.28	1.32	1.33	0.97	1.05	1	0.96
Middle Atlantic	1.2	1.16	1.25	0.98	1.17	1.03	1
<b>Contextual</b>							
College	-	0.78	-	-	-	0.89	0.9
Poverty	-	1.04	-	-	-	1.1	1.03
Transfers	-	1.06	-	-	-	1.02	1.1
Manufacturing	-	1	-	-	-	0.98	0.97
Percent Black	-	-	-	-	1.06	0.97	0.97
Percent Hispanic	-	-	-	-	0.94	0.91	0.94
Percent Foreign-born	-	-	-	-	0.79	0.87	0.72
Obesity	-	-	-	1.09	-	0.99	0.99
Heavy drinking	-	-	-	0.98	-	0.97	1.01
Smoking	-	-	-	1.33	-	1.18	1.12
MDs/pc	-	-	0.89	-	-	1.04	1.02
Mammography	-	-	0.88	-	-	0.93	0.97
Diabetes monitoring	-	-	0.9	-	-	0.99	0.97
Moran's I	0.48	0.4	0.43	0.26	0.47	0.21	-0.03
DIC	395940	375784	391454	365343	385050	359779	352006
RMSE	0.00034	0.00031	0.00033	3e-04	0.00032	0.00029	0.00027

Table 4: County-level drugs mortality rate (2000, 2010, 2015)

	1	2	3	4	5	6	7
Intercept	0	0	0	0	0	0	0
Male	-	-	-	-	-	-	-
Female	0.58	0.58	0.58	0.8	0.58	0.71	0.6
2000	-	-	-	-	-	-	-
2010	2	1.81	2.09	2.42	2.07	2.06	1.87
2015	2.75	2.54	2.88	3.51	2.95	3.12	2.84
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Age 35-39	1.25	1.25	1.25	1.25	1.25	1.26	1.26
Age 40-44	1.31	1.32	1.32	1.31	1.31	1.32	1.32
Age 45-49	1.4	1.4	1.4	1.4	1.39	1.4	1.4
Age 50-54	1.28	1.28	1.28	1.27	1.27	1.27	1.27
Age 55-59	1.03	1.03	1.03	1.02	1.02	1.02	1.02
Age 60-64	0.62	0.62	0.62	0.61	0.62	0.61	0.61
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.92	0.97	0.94	0.94	0.81	0.92	0.72
Md/Sm metro	1.01	0.95	1.04	0.89	0.86	0.82	0.74
Nonmetro	0.91	0.76	0.91	0.69	0.74	0.63	0.62
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.73	1.64	1.79	1.14	1.43	1.08	0.72
East South Central	1.36	1.31	1.39	0.85	1.09	0.89	0.7
Mountain	1.59	1.53	1.58	1.3	1.44	1.22	1.2
West South Central	0.99	0.95	0.98	0.73	0.9	0.78	0.73
New England	1.57	1.65	1.74	1.35	1.48	1.34	1.2
South Atlantic	1.29	1.2	1.36	0.96	1.16	1.04	0.62
East North Central	1.37	1.44	1.44	0.93	1.14	1.02	0.67
West North Central	0.87	0.92	0.93	0.64	0.72	0.66	0.67
Middle Atlantic	1.17	1.06	1.2	0.99	1.19	0.98	0.66
<b>Contextual</b>							
College	-	0.88	-	-	-	1.02	1.17
Poverty	-	0.97	-	-	-	1.04	1.13
Transfers	-	1.15	-	-	-	1.11	1.05
Manufacturing	-	0.88	-	-	-	0.87	0.89
Percent Black	-	-	-	-	1	0.88	0.85
Percent Hispanic	-	-	-	-	0.93	0.92	0.84
Percent Foreign-born	-	-	-	-	0.82	0.87	0.72
Obesity	-	-	-	1.01	-	1.03	1.06
Heavy drinking	-	-	-	1.08	-	1	0.95
Smoking	-	-	-	1.35	-	1.27	1.11
MDs/pc	-	-	1	-	-	1.15	0.93
Mammography	-	-	0.89	-	-	0.9	0.87
Diabetes monitoring	-	-	0.8	-	-	0.97	0.85
Moran's I	0.47	0.42	0.46	0.42	0.48	0.35	0.02
DIC	355318	348474	354387	341697	350819	335585	309386
RMSE	0.00019	0.00019	0.00019	0.00019	0.00019	0.00018	0.00016

Table 5: County-level suicide mortality rate (2000, 2010, 2015)

	1	2	3	4	5	6	7
Intercept	0	0	0	0	0	0	0
Male	-	-	-	-	-	-	-
Female	0.3	0.3	0.3	0.37	0.3	0.33	0.32
2000	-	-	-	-	-	-	-
2010	1.21	1.3	1.2	1.36	1.26	1.4	1.26
2015	1.31	1.4	1.3	1.48	1.41	1.6	1.38
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.03	1.02	1.03	1.03	1.02	1.02	1.03
Age 35-39	1.11	1.11	1.11	1.11	1.11	1.11	1.11
Age 40-44	1.2	1.19	1.19	1.19	1.19	1.19	1.19
Age 45-49	1.29	1.28	1.29	1.29	1.28	1.28	1.28
Age 50-54	1.34	1.32	1.33	1.33	1.32	1.32	1.32
Age 55-59	1.28	1.27	1.28	1.27	1.26	1.26	1.25
Age 60-64	1.08	1.07	1.08	1.07	1.06	1.06	1.05
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	1.14	1.05	1.11	1.17	0.96	1.01	0.95
Md/Sm metro	1.3	1.21	1.27	1.24	1.07	1.03	0.98
Nonmetro	1.4	1.21	1.33	1.25	1.09	0.99	0.96
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.17	1.11	1.15	1	0.99	0.9	1.04
East South Central	1.14	1.12	1.13	0.94	1.03	0.96	1.01
Mountain	1.57	1.55	1.57	1.45	1.43	1.38	1.35
West South Central	1.09	1.09	1.09	0.97	1.07	1.04	0.99
New England	0.88	0.89	0.88	0.82	0.82	0.81	1.07
South Atlantic	1.08	1.06	1.07	0.96	1.08	1.04	1.01
East North Central	0.99	0.97	0.99	0.84	0.86	0.83	0.97
West North Central	1.08	1.04	1.05	0.95	0.9	0.89	0.98
Middle Atlantic	0.76	0.74	0.77	0.73	0.79	0.75	0.97
<b>Contextual</b>							
College	-	0.87	-	-	-	0.89	0.94
Poverty	-	0.89	-	-	-	1.02	0.97
Transfers	-	1.05	-	-	-	1.02	1.07
Manufacturing	-	0.97	-	-	-	0.96	0.98
Percent Black	-	-	-	-	0.91	0.88	0.91
Percent Hispanic	-	-	-	-	0.92	0.91	0.91
Percent Foreign-born	-	-	-	-	0.84	0.87	0.85
Obesity	-	-	-	0.98	-	0.95	0.98
Heavy drinking	-	-	-	1.1	-	1.04	1.08
Smoking	-	-	-	1.17	-	1.09	1.04
MDs/pc	-	-	0.95	-	-	1.07	1.04
Mammography	-	-	1.01	-	-	0.96	0.95
Diabetes monitoring	-	-	1.06	-	-	1.04	1
Moran's I	0.2	0.2	0.21	0.2	0.17	0.15	0
DIC	298148	296328	297990	295109	294060	291555	287904
RMSE	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015