

# Tables testing

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Table 1:

	Source	Years	Interpolated
<b>Socioeconomic</b>			
Population with a college degree, %	Census/ACS	2000, 2010, 2015	
Population below poverty line, %	SAIPE	2000, 2010, 2015	
Transfers, as % of total personal income	BEA	2000, 2010, 2015	
Manufacturing, as % of total employment	BEA	2000, 2010, 2015	
<b>Healthcare</b>			
Active MDs per 1000	Area Health Resource File	2000, 2010, 2015	
Diabetic monitoring (% of Medicare enrollees, 65-75)	Dartmouth Atlas Project	2006-2014	X
Mammography screening (% of female Medicare enrollees, 67-69)	Dartmouth Atlas Project	2006-2014	X
<b>Health behaviors and risk factors</b>			
Smoking (cigarette smoking prevalence in adults aged 20 and older)	IHME time series (NHANES, BRFSS)	1996-2012	X
Obesity (% of adults aged 20 and older that report a BMI of 30 or more)	IHME time series (NHANES, BRFSS)	2004-2013	X
Alcohol use (% any drinking, heavy drinking, binge drinking)	IHME time series (NHANES, BRFSS)	2002-2012	X
<b>Population composition</b>			
Foreign-born population, %	Census/ACS	2000, 2010, 2015	
Black population, %	Census/ACS	2000, 2010, 2015	
Hispanic population, %	Census/ACS	2000, 2010, 2015	

Table 2: 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	0.87	0.95	0.94	0.91	0.96	0.93
2015	0.93	0.9	0.97	0.97	0.95	1.05	1.02
<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	2.22	2.22
Age 45-49	3.35	3.36	3.35	3.34	3.36	3.36	3.37
Age 50-54	5.07	5.09	5.08	5.06	5.09	5.09	5.09
Age 55-59	7.59	7.6	7.6	7.55	7.62	7.59	7.59
Age 60-64	11.07	11.07	11.09	11	11.13	11.06	11.05
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.85	0.95	0.86	0.86	0.89	0.95	0.82
Md/Sm metro	1.03	0.96	1.05	0.92	1.03	0.96	0.85
Nonmetro	1.12	0.92	1.08	0.9	1.14	0.93	0.84
<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	1.03	1.09
Mountain	1.12	1.14	1.1	1.02	1.08	1.01	1.07
West South Central	1.31	1.21	1.29	1.01	1.12	1.03	1.07
New England	1	1.13	1.15	0.94	1	1.02	1.1
South Atlantic	1.33	1.25	1.4	1.04	1.08	1.04	1.1
East North Central	1.21	1.19	1.28	0.92	1.07	0.99	1.06
West North Central	1.05	1.11	1.14	0.86	0.98	0.95	1.04
Middle Atlantic	1.11	1.09	1.15	0.95	1.08	0.98	1.06
<b>Contextual</b>							
College	-	0.85	-	-	-	0.92	0.94
Poverty	-	1.12	-	-	-	1.08	1.02
Transfers	-	1.02	-	-	-	1.02	1.06
Manufacturing	-	0.98	-	-	-	0.98	0.98
Percent Black	-	-	-	-	1.14	1.05	1.04
Percent Hispanic	-	-	-	-	1.01	0.97	0.97
Percent Foreign-born	-	-	-	-	0.87	0.92	0.76
Obesity	-	-	-	1.11	-	1.01	1.01
Heavy drinking	-	-	-	0.97	-	0.98	0.99
Smoking	-	-	-	1.2	-	1.12	1.05
MDs/pc	-	-	0.95	-	-	1.04	0.98
Mammography	-	-	0.86	-	-	0.93	0.96
Diabetes monitoring	-	-	0.79	-	-	0.91	0.94
Moran's I	0.45	0.32	0.36	0.29	0.44	0.24	-0.01
DIC	1013124	883601	975484	870628	946986	825222	784046
RMSE	0.00131	0.00108	0.00125	0.00105	0.00119	0.00095	0.00083

Table 3: 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	1.96	2.09	2.42	2.07	2.16	2.01
2015	2.75	2.68	2.88	3.51	2.95	3.23	2.98
<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	0.98	0.94	0.94	0.81	0.93	0.72
Md/Sm metro	1.01	0.96	1.04	0.89	0.86	0.82	0.75
Nonmetro	0.91	0.79	0.91	0.69	0.74	0.65	0.64
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.73	1.66	1.79	1.14	1.43	1.08	0.68
East South Central	1.36	1.27	1.39	0.85	1.09	0.87	0.64
Mountain	1.59	1.5	1.58	1.3	1.44	1.2	1.15
West South Central	0.99	0.91	0.98	0.73	0.9	0.75	0.67
New England	1.57	1.72	1.74	1.35	1.48	1.36	1.14
South Atlantic	1.29	1.18	1.36	0.96	1.16	1.03	0.58
East North Central	1.37	1.43	1.44	0.93	1.14	1.01	0.61
West North Central	0.87	0.91	0.93	0.64	0.72	0.65	0.63
Middle Atlantic	1.17	1.12	1.2	0.99	1.19	0.99	0.62
<b>Contextual</b>							
College	-	0.82	-	-	-	0.98	1.13
Poverty	-	1.05	-	-	-	1.1	1.18
Transfers	-	1.01	-	-	-	1.02	0.94
Manufacturing	-	0.87	-	-	-	0.87	0.88
Percent Black	-	-	-	-	1	0.87	0.86
Percent Hispanic	-	-	-	-	0.93	0.91	0.85
Percent Foreign-born	-	-	-	-	0.82	0.89	0.7
Obesity	-	-	-	1.01	-	1.03	1.06
Heavy drinking	-	-	-	1.08	-	1	0.95
Smoking	-	-	-	1.35	-	1.28	1.11
MDs/pc	-	-	1	-	-	1.15	0.93
Mammography	-	-	0.89	-	-	0.89	0.87
Diabetes monitoring	-	-	0.8	-	-	0.96	0.85
Moran's I	0.47	0.45	0.46	0.42	0.48	0.36	0.01
DIC	355318	349192	354387	341697	350819	335928	309328
RMSE	0.00019	0.00019	0.00019	0.00019	0.00019	0.00018	0.00016

Table 4: 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	0.75	0.84	0.79	0.79	0.83	0.74
2015	0.79	0.77	0.84	0.79	0.8	0.88	0.78
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.87	1.87	1.87	1.87	1.87	1.88	1.88
Age 35-39	3.44	3.45	3.44	3.44	3.46	3.46	3.46
Age 40-44	6.47	6.5	6.48	6.47	6.51	6.51	6.52
Age 45-49	11.44	11.48	11.47	11.43	11.51	11.51	11.52
Age 50-54	19.03	19.09	19.07	18.98	19.15	19.1	19.12
Age 55-59	30.07	30.11	30.13	29.94	30.27	30.13	30.13
Age 60-64	45.87	45.83	45.96	45.6	46.25	45.91	45.88
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.77	0.89	0.78	0.77	0.86	0.89	0.82
Md/Sm metro	0.96	0.89	0.98	0.85	1.02	0.92	0.86
Nonmetro	1.09	0.84	1.02	0.84	1.17	0.9	0.85
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.54	1.39	1.61	1.04	1.37	1.11	1.27
East South Central	1.85	1.59	1.89	1.19	1.3	1.13	1.29
Mountain	1.04	1.07	1.02	0.94	1.01	0.97	1.21
West South Central	1.52	1.37	1.48	1.1	1.25	1.13	1.35
New England	0.94	1.09	1.13	0.89	0.93	0.98	1.15
South Atlantic	1.46	1.37	1.57	1.1	1.09	1.05	1.31
East North Central	1.35	1.31	1.46	1	1.18	1.06	1.25
West North Central	1.08	1.17	1.2	0.88	1.02	0.99	1.23
Middle Atlantic	1.19	1.16	1.24	0.98	1.11	0.99	1.18
<b>Contextual</b>							
College	-	0.82	-	-	-	0.89	0.93
Poverty	-	1.16	-	-	-	1.08	1.02
Transfers	-	1.03	-	-	-	1.02	1.09
Manufacturing	-	1.01	-	-	-	0.99	1
Percent Black	-	-	-	-	1.21	1.1	1.07
Percent Hispanic	-	-	-	-	1.02	0.97	0.96
Percent Foreign-born	-	-	-	-	0.89	0.96	0.83
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	0.22	-0.04
DIC	575562	525585	559869	526401	545772	507522	487831
RMSE	0.00053	0.00046	0.00051	0.00046	0.00049	0.00043	0.00038

Table 5: 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	0.83	0.82	0.91	0.82	0.91	0.86
2015	0.75	0.78	0.76	0.89	0.8	0.95	0.89
<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	7.06	7.06	7.06	7.06	7.06	7.08
Age 45-49	16.63	16.61	16.63	16.59	16.59	16.59	16.64
Age 50-54	37.28	37.17	37.27	37.09	37.15	37.06	37.18
Age 55-59	73.44	73.09	73.41	72.85	73.13	72.73	72.98
Age 60-64	126.73	125.83	126.65	125.32	126.25	125.07	125.5
<b>Metro</b>							
Lg central metro	-	-	-	-	-	-	-
Lg fringe metro	0.96	1.01	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	1.02	1.22	1.02	1.15	0.89	0.82
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.71	1.52	1.73	1.09	1.37	1.05	0.99
East South Central	1.85	1.62	1.86	1.14	1.36	1.11	0.99
Mountain	1.02	1.04	1.01	0.87	0.93	0.87	1
West South Central	1.41	1.28	1.37	1.01	1.21	1.05	0.96
New England	1.18	1.36	1.34	1.07	1.1	1.13	0.97
South Atlantic	1.49	1.38	1.55	1.08	1.23	1.11	1.02
East North Central	1.45	1.38	1.52	1.01	1.18	1.03	0.96
West North Central	1.28	1.31	1.33	0.97	1.05	1	0.95
Middle Atlantic	1.2	1.18	1.25	0.98	1.17	1.03	0.99
<b>Contextual</b>							
College	-	0.76	-	-	-	0.89	0.89
Poverty	-	1.07	-	-	-	1.11	1.05
Transfers	-	1.01	-	-	-	1.01	1.06
Manufacturing	-	0.99	-	-	-	0.98	0.97
Percent Black	-	-	-	-	1.06	0.97	0.97
Percent Hispanic	-	-	-	-	0.94	0.91	0.93
Percent Foreign-born	-	-	-	-	0.79	0.88	0.71
Obesity	-	-	-	1.09	-	0.99	1
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	0.96
Diabetes monitoring	-	-	0.9	-	-	0.99	0.98
Moran's I	0.48	0.42	0.43	0.26	0.47	0.21	-0.03
DIC	395940	376075	391454	365343	385050	359815	352132
RMSE	0.00034	0.00031	0.00033	3e-04	0.00032	0.00029	0.00027

Table 6: 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	1.36	1.2	1.36	1.26	1.42	1.29
2015	1.31	1.43	1.3	1.48	1.41	1.61	1.42
<b>Age group</b>							
Age 25-29	-	-	-	-	-	-	-
Age 30-34	1.03	1.02	1.03	1.03	1.02	1.03	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	1.33	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	1.06	1.11	1.17	0.96	1.01	0.95
Md/Sm metro	1.3	1.21	1.27	1.24	1.07	1.04	0.99
Nonmetro	1.4	1.24	1.33	1.25	1.09	1	0.97
<b>Region</b>							
Pacific	-	-	-	-	-	-	-
Appalachia	1.17	1.11	1.15	1	0.99	0.9	1.03
East South Central	1.14	1.1	1.13	0.94	1.03	0.95	1
Mountain	1.57	1.53	1.57	1.45	1.43	1.37	1.34
West South Central	1.09	1.05	1.09	0.97	1.07	1.02	0.98
New England	0.88	0.91	0.88	0.82	0.82	0.81	1.07
South Atlantic	1.08	1.04	1.07	0.96	1.08	1.03	1
East North Central	0.99	0.96	0.99	0.84	0.86	0.82	0.96
West North Central	1.08	1.03	1.05	0.95	0.9	0.88	0.97
Middle Atlantic	0.76	0.76	0.77	0.73	0.79	0.76	0.96
<b>Contextual</b>							
College	-	0.83	-	-	-	0.88	0.92
Poverty	-	0.95	-	-	-	1.04	0.99
Transfers	-	0.96	-	-	-	0.97	1.03
Manufacturing	-	0.96	-	-	-	0.96	0.98
Percent Black	-	-	-	-	0.91	0.88	0.9
Percent Hispanic	-	-	-	-	0.92	0.9	0.91
Percent Foreign-born	-	-	-	-	0.84	0.88	0.85
Obesity	-	-	-	0.98	-	0.95	0.98
Heavy drinking	-	-	-	1.1	-	1.04	1.07
Smoking	-	-	-	1.17	-	1.09	1.04
MDs/pc	-	-	0.95	-	-	1.07	1.03
Mammography	-	-	1.01	-	-	0.96	0.95
Diabetes monitoring	-	-	1.06	-	-	1.03	1
Moran's I	0.2	0.22	0.21	0.2	0.17	0.16	0
DIC	298148	296347	297990	295109	294060	291540	287922
RMSE	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015