

Appendix 1: Social Determinants of Health Values and Standard Deviations

Hospital Division per Data Set (a)	States in Hospital Division (a)	Variables		
		Violent Crime incidents/ 100,000 per capita (b)	SNAP - Average of the Avg Monthly Benefit per Household (c)	Unemployment - Average Seasonally Adjusted (d)
1 - New England	ME, NH, VT, MA, RI, CT	222.9917	224.655	5.75%
2 - Mid-Atlantic	NY, PA, NJ	329.15	246.9433	6.13%
3 - East North Central	WI, MI, IL, IN, OH	352.48	250.108	6.12%
4 - West North Central	MO, ND, SD, NE, KS, MN, IA	307.9571	248.5571	4.23%
5 - South Atlantic	DE, MD, DC**, VA, WV, NC, SC, GA, FL	494.0278	246.47	6.66%
6 - East South Central	KY, TN, MS, AL	378.8875	252.04	7.08%
7 - West South Central	OK, TX, AR, LA	455.9375	263.68	5.53%
8 - Mountain	ID, MT, WY, NV, UT, CO	361.0938	266.76	5.35%
9 - Pacific	AK, WA, OR, CA, HI	363.71	315.494	6.22%
Standard Deviation		79.0179	24.9066	0.00823 *

Notes:

a - Source : U.S. Census Bureau. Census Bureau Regions and Divisions with State FIPS Codes. http://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf. Accessed August 8, 2015

b - Violent Crime source - FBI UCR 2014 Crime in the United States table 4 2013-2014 <https://ucr.fbi.gov/crime-in-the-u.s/2014/crime-in-the-u.s.-2014/tables/table-4>; Puerto Rico is not included in calculation

c - SNAP source - Supplemental Nutrition Assistance Program State Activity Report Fiscal Year 2014 <https://www.fns.usda.gov/pd/snap-state-activity-reports>; Guam and Virgin Islands are not included in calculation

d - Unemployment source - Bureau of Labor Statistics (BLS), [Regional and State Employment and Unemployment (Monthly)](<https://www.bls.gov/bls/newsrels.htm#OEUS>), Civilian labor force and unemployment by state and selected area, seasonally adjusted; Puerto Rico is not included in the calculation

* - Standard Deviation calculated across all 9 divisions. Source data provided informaiton at the state level which was more granular, however, the dataset did not provide any NIS data at state level resulting in the use of standard deviation at division level

**District of Columbia