

Table 5.2: Adaptive Capacity for Disaster Resilience Indicators by Component

	Variable	Definition (± Effect on Resilience)	Data Source
Social Resilience	education	Percent of the population with a college degree (+)	American Communities Survey 2010
	transportation access	Percent of households with a vehicle (+)	American Communities Survey 2011
	communication capacity	Percent housing units with a telephone (+)	American Communities Survey 2011
	language competency	Percent of the population over 5 years of age that speak English "very well" (+)	American Communities Survey 2010
	non-vulnerable population	Percent non-elderly population (+)	USA Counties 2009
		Percent population without a physical disability (+)	US Census 2000
health care coverage	Percent population with health insurance (under 65 years of age) (+)	USA Counties 2007	
Community Capital	place attachment	Net international migration per 1,000 population (-)	American Communities Survey 2009
		Percent of the population born in the state that resides in the state (+)	American Communities Survey 2010
	political engagement	Percent voter turnout in 2008 presidential election (+)	Secretary of State/Dept. of State 2008
	social capital	Religious adherents per 1,000 (+)	ASARB 2010
		Civic organizations per 10,000 (+)	County Business Patterns 2009
	Social advocacy organizations per 10,000 (+)	County Business Patterns 2009	
Economic Resilience	housing capital	Percent owner occupied housing (+)	US Census 2010
	employment	Percent of the population that is employed (+)	American Communities Survey 2010
		Percent of labor force that is female (+)	American Community Survey 2010
	income equality	Quintiles of Gini Index (higher values = more equal) (+)	American Communities Survey 2012
	economic diversity	Percent of the population not employed in farming, fishing, forestry, or extractive industries (+)	US Census 2012
	business robustness	Ratio of large to small business employees (+)	US Census 2009
health care access	Total physicians per 10,000 (+)	USA Counties 2009	
Institutional Resilience	mitigation plans	Percent population covered by a multi-hazard mitigation plan (+)	FEMA 2012
	mitigation organizations and activities	Percent population participating in Community Rating System (+)	FEMA 2012
		Percent population covered by Citizen Corps council (+)	Citizen Corps 2012
		Percent population in Storm Ready communities (+)	NOAA 2012
	emergency services	Percent local government expenditures for health/hospitals, fire and police (+)	USA Counties 2002
administrative decentralization	Number of municipalities, school districts, and special districts (-)	US Census 2007	
disaster experience	Number of Presidential disaster declarations, 2002-2011 (+)	FEMA 2012	
Infrastructure Resilience	housing vulnerability	Percent of housing not mobile homes (+)	American Communities Survey 2010
		Percent housing units built 1970-94 (-)	American Communities Survey 2010
	evacuation capacity	Primary and secondary road miles per square mile (+)	US Census 2010
	medical capacity	Number of hospital beds per 10,000 (+)	County and City Data Book 2007
	shelter capacity	Percent vacant rental units (+)	US Census 2010
		Number of hotels/motels per square mile (+)	County Business Patterns 2009
service restoration	Number of public schools per square mile (+)	FEMA Hazus 2.0 2011	
Ecological Resilience	wetland preservation	Net change in percent wetland area between 1996 to 2006 (+)	NOAA 2010
	impervious surfaces	Percent impervious surface in square miles of land area (-)	National Land Cover Database 2006
	floodplain development	Index of severe repetitive loss properties (higher values = more loss) (-)	FEMA 2007
Notes: Detailed information on the data sources is given in Appendix G. County-level data for each of these indicators is provided in Appendix H.			

Citation:

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