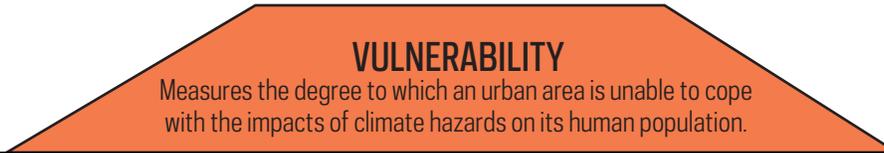


# ND-GAIN Urban Adaptation Assessment

## RISK

Potential for something of value to be at stake because of its presence in a changing climate.  
Risk is a function of climate hazard, and exposure and vulnerability of the social system.



<b>HAZARD</b> Potential occurrence of a biophysical event, trend or impact caused by climate change	<b>SENSITIVITY</b> Extent to which an urban area will be affected by, or responsive to, a climate hazard	<b>ADAPTIVE CAPACITY</b> Ability of an urban area to prepare for or cope with a climate hazard	<b>EXPOSURE</b> Percent of population that experiences a climate hazard
<b>INLAND FLOODING</b> Rx5day: Monthly maximum consecutive 5-day precipitation	Percent of area that is impervious surface	Quality of drinking water	Number of cars on roads in flood zone
	Percent of buildings built after 1999		
	Percent of population residing in mobile homes	Number of acute care hospital beds available per 1,000 residents	Percent of population living in flood plains
	Percent of population that is 65 years old or older		
	Percent of population that is 18 years old or younger	Percent of population with health insurance	Number of buildings in the flood plain
	Percent of workers without access to a vehicle		
<b>EXTREME HEAT</b> WSDI: Warm Spell Duration Index Annual count of days with at least 6 consecutive days when daily maximum temperature higher than the 90 percentile of the maximum temperature in the base period	Percent of buildings built after 1979	Percent of land covered by tree canopy	Number of people in city
	Percent of population that is 65 years old or older		
	Percent of population that is 18 years old or younger	Number of acute care hospital beds available per 1,000 residents	
	Percent of population spending over 50% of income on rent		
	Percent of population that is chronically sick (12 separate diseases)	Percent of population with health insurance	
	Outdoor workers		
<b>EXTREME COLD</b> CSDI: Cold Spell Duration Index Annual count of days with at least 6 consecutive days when the daily maximum temperature lower than the 10 percentile of the maximum temperature in the base period	Percent of buildings built after 1979	Percent of houses with heating	Number of people in city
	Percent of population spending over 50% of income on rent		
	Percent of population that is 65 years old or older	Number of acute care hospital beds available per 1,000 residents	
	Percent of population that is 18 years old or younger		
	Percent of population that is chronically sick (12 specific diseases)	Percent of population with health insurance	

Please note: Indicators on drought and coastal flooding hazards are forthcoming.

# ND-GAIN Urban Adaptation Assessment

## READINESS

General features of urban areas that will enable policy change and action implementation to reduce vulnerability to climate hazards. Readiness is composed of the measure of economic conditions, governance support, and social capacities.

ECONOMIC READINESS	GOVERNANCE READINESS	SOCIAL READINESS
Measures financial enabler, which addresses two obstacles: lack of private sector confidence and financial challenge	Measures governmental enabler, which addresses one obstacle: weak government capacities	Measures demand-side enabler, which addresses one obstacle: challenges in project preparation
City revenue per resident	Total number of federal public corruption convictions by district	Percent of population with less than 12th grade education
City deficit per resident	Civic Engagement	General innovation capabilities
Readiness to accept adaptation investment	Community rating system (CRS)	Estimated percent of adults who think global warming is already harming people in the US now or within 10 years
Tax incentives for renewable energy		



ND-GAIN Urban Adaptation Assessment Components

## LIVES & LIVELIHOODS

Impact of climate hazards on a city's population, specifically on lives and on livelihoods

LIVES
Death toll per capita and per hazard occurrence
Injured population per capita and per hazard occurrence
LIVELIHOODS
Property damage per capita and per hazard occurrence