

Summary of the Heat Climate Vulnerability indicators, definitions, data sources, and variable name			
Indicator	Indicator definition	Data Source	Variable Name
Infants, Young children	Proportion of population aged 0-4	U.S. Census 2007 projection	UnderFour_CB00
Elderly	Proportion of population aged ≥ 65	U.S. Census 2007 projection	Seniors_CB00
Race	Proportion of non-white population	U.S. Census 2007 projection	NonWhite_CB00
Educational Attainment	Proportion of population 25+ without a high school degree	U.S. Census 2007 projection	NoHighSchoolDegree_CB00
Language barrier	Proportion of population defined as linguistically isolated	U.S. Census 2007 projection	NonEnglish_CB00
Income	Average household income	U.S. Census 2007 projection	Income_CB00
Poverty	Proportion population below U.S. Federal poverty line	U.S. Census 2000	Poverty_CB00
Population Density	Population density (persons/square mile)	U.S. Census 2007 projection	PopulationDensity_CB00
Employment Density	Employment density (workers/square mile)	MTC CTPP2000	JobDensity_CB00
Social Isolation	Proportion population living alone	U.S. Census 2000	LiveAlone_CB00
Nursing Home	Proportion population living in a nursing home	U.S. Census 2000	NursingHomes_CB00
Asthma Rate	Age-adjusted rate of asthma hospitalizations per 10,000 residents per year, for the years 2006-2008	California Breathing 2009	AsthmaRates_CB00
Living on the Top Floor	Proportion of population living in the building's top floor	SFDPH	LivingTopFloor_CB00

No access to Transportation	Proportion of population that does not live within 0.5 miles of a regional transit stations	SFDPH	NoRegionalTransitAccess_CB00
No access to Parks	Proportion of population that does not live within 200 meters of a park	SFDPH	NoParkAccess_CB00
Tree Density	Number of trees per square mile	change	TreeDensity_CB00
Building Stock	Average age of buildings per census block	CCSF Public Works/Bureau of Street-Use and Mapping	AvgYearBuilt_CB00
Air Condition Prevalence	Proportion population without central air conditioning	CEC RASS 2009	NoAirConditioning_CB00
Air Quality	Maximum PM2.5 concentration (ug/m3)	SFDPH	AirQuality_CB00
Surface temperature (05/08)	Max surface heat distribution per census block from 05/12/08	ASTER satellite imagery from NASA	SurfaceTemperature0508_CB00
Surface temperature (09/08)	Max surface heat distribution per census block from 09/01/08	ASTER satellite imagery from NASA	SurfaceTemperature0908_CB00

Other Climate and Health Data			
Indicator	Indicator definition	Data Source	Variable Name
Normalized Difference Vegetation Index (NDVI)	a quantitative measurement of vegetation abundance within a mapping unit, an extension beyond categorical land covers	Landsat TM and LIT satellite imagery	080707ndvi1
Land Cover	It is CDF-FRAP multisource land cover	Landsat TM satellite imagery	Land_Cover
Distance to open water	Satellite imagery showing distance to water	Landsat TM satellite imagery	Distance to Open water1

San Francisco Daily Temperature Ranges	Maximum and Minimum daily temperature for San Francisco	National Climatic Data Center (ncdc.noaa.gov), GHCN (Global Historical Climatology Network)-Daily database.	SF_Stations.xls
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