Sample Indicators for Measuring Progress on THRIVE Factors*

Introduction

THRIVE (Tool for Health and Resilience in Vulnerable Environments) is a framework and a tool to assist communities in changing community conditions to achieve better health and safety outcomes.† Measuring and documenting community conditions is an essential part of this change. Indicators and metrics of community determinants allow for a thorough and accurate assessment of community conditions, and for progress and change to be measured after changes are implemented. Measuring community determinants also identifies them as valuable and deserving of attention. Without reliable metrics, we cannot make informed decisions about where to focus our attention, justify action to address community factors, or know what the real impacts of interventions are. Unfortunately, there are not metrics in existence or indices that are regularly measured for all community determinants, reducing how accurately or precisely we can understand or act on community conditions.

Metric are vital in step three and five of the THRIVE process (see dialogue box above) because they provide tools for assessment and baseline measurements, as well as the ability to measure progress. Metrics can also support the other steps of the THRIVE process by helping to make the case for action or partnership, fostering shared understanding of issues and goals, and helping to guide and prioritize action.

The purpose of this document is to outline metrics which can be used to measure community determinants. They are organized under the 3 clusters and 12 factors of the THRIVE tool.¹ The lists included here are not intended to be exhaustive, but rather to provide a sense of the types of measurements that are relevant to each of the THRIVE factors. The source of each metric can be found in the endnotes. Because some community determinants do not have developed metrics associated with them, we have also included a list of suggested topics to consider, or areas where metrics could be developed, which are listed in italics. The metrics may also be listed under multiple factors due to the interrelated nature of community determinants.

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† For a more information on THRIVE, please refer to the THRIVE Overview and Background document.
The metrics listed in this paper fall into four categories, defined below:

- **Indicator**: An indicator is a single measurement.
- **Index**: An index is a measurement that includes multiple indicators and is in use by others – particularly for research purposes.
- **Composite measure**: A composite measure includes multiple indicators and is not necessarily in use by others but includes specific indicators that correlate strongly with health outcomes.
- **Suggested topic to measure**: These are topics and community conditions that are not currently being collected by defined metrics but are relevant to the factor.

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**Metrics – By THRIVE Cluster and Factor**

**Cluster: People**

**Factor: Social Networks & Trust**

**Forces Destructive to Social Networks & Trust**

- Percent of adults (18-65 years) who report physical or sexual violence by an intimate partner;
- Percent of children (<18 years) reported with neglect or physical or sexual abuse;
- Population Churning;
- Foreclosure Needs Score;
- Foreclosure rate;
- Rate of violent crime;
- Rate of suicides by race/ethnicity, gender, and age;
- Number of drug induced deaths by race/ethnicity, gender, and age;
- Average daily population in local jails parsed by race/ethnicity;
- Number of residents incarcerated in state/federal prison systems by race/ethnicity;
- Linguistically isolated people;
- Gini index

* Suggested - Community trauma composite measure*  

**Community Activities**

* Suggested – Informal neighborhood social activities (e.g. sewing, book or gardening clubs); Mentoring programs (e.g. Big Brothers/Sisters or youth business); Involvement in community organizations, senior centers, after school programs; Elder day care; Park recreation and exercise programs

**Community, Police Trust**

Percentage of full-time sworn personnel who have served as community policing or community relations officers, or were designated to engage regularly in community policing activities

* Suggested – Police-community relations (police satisfaction, trust in the police, police legitimacy); Constitutional policing practices (bias-free policing, use of appropriate force)
Neighborhood Design to Increase Interaction

Neighborhood planning to increase public meeting spaces (e.g. plazas, parks, trails, local entertainment centers, community gardens)\(^{16}\)

- *Suggested* – Architecture designed to increase neighbors’ interactions (e.g. decrease in gated communities and increase in sidewalks, front porches, and mixed income housing);
- Accommodations for people with disabilities

Social Support & Community

Sense of Community Index\(^{17}\); Percentage of adults, 18 years and older, noting they have adequate social support from partner, family, and friends\(^{18}\); Annual percentage of families with parents eligible for Family Medical Leave Act (FMLA) coverage who can also afford it, nationally and by state\(^ {19,20} \); Average amount of out-of-pocket financial and emotional investment in caregiving, as reported by adults 18 years and older\(^{21}\)

**Factor: Participation & Willingness to Act for the Common Good**

**Collective Efficacy**

Collective efficacy\(^{22}\); Collective Efficacy among Children Scale (CEACS)\(^ {23}\)

- *Suggested* – Community readiness*; Number of communities with indicator projects*; Ability to solve problems; Access to resources; Willingness to intervene on the behalf of others

**Voting Registration and Participation**

Percent of adult population registered to vote\(^ {24}\); Percent of adults age \( \geq 18\) years who are registered voters\(^ {25}\); Percentage of persons registered to vote by race/ethnicity\(^ {26}\); Percent of registered voters that voted in general elections\(^ {27}\); Percent of registered voters that voted in municipal elections\(^ {28}\); Percentage of adults and young people who reported voting in general election (national and by state)\(^ {29}\); Percentage of persons registered to vote by race/ethnicity\(^ {30}\); Racial/ethnic representativeness of registered voters\(^ {31}\); Number of persons ineligible to vote due to criminal convictions\(^ {32}\)

**Civic Engagement**

Percentage of adults and young people who reported volunteering (national and by state)\(^ {33}\); Number of community organizations by type\(^ {34}\)

- *Suggested* – Adults and youth involved in decision-making roles in government and community organizations; Number of communities with indicator projects*; Civic engagement*; Union activity; Library participation; Involvement in community organizations; Institutional support for community service

**Organizations and Businesses**

Percentage of local health departments that collaborated with community organizations in at least four public health program areas in the past year\(^ {35}\); Annual dollar amount of U.S. corporate contributions to education (K-12 and high education) and to community/economic development sectors\(^ {36}\)
**Factor: Norms and Culture**

**Determinants for Norms of Daily Life**

Gini index

*Suggested – Rates of violence, Educational attainment, Aggregates of individual perceptions of expected behaviors, Connection to cultural identity, Hope*

**Racial Differentiation**

Racial Diversity; Lifetime likelihood of ever going to prison; Disproportional representation in prison population; Incarceration rate; Comparative statistics, by race/ethnicity on safe and affordable housing; Comparative statistics, by race/ethnicity on exposure to toxic pollutants from the air, water, or soil; Comparative statistics, by race/ethnicity on acreage of accessible safe open space and parks; Comparative statistics, by race/ethnicity on accessibility to efficient transportation; Comparative statistics, by race/ethnicity on accessible community arts and culture; Comparative statistics, by race/ethnicity on household wealth; Comparative statistics, by race/ethnicity on unemployment; Comparative statistics, by race/ethnicity on housing ownership status; Comparative statistics, by race/ethnicity on on entrepreneurialism; Comparative statistics, by race/ethnicity on electoral participation; Makeup of policymakers vis-à-vis the population they represent; Comparative statistics, by race/ethnicity on availability of fresh fruits and vegetables; Comparative statistics, by race/ethnicity on number of liquor stores; Comparative statistics, by race/ethnicity on rates of violence; Comparative statistics, by race/ethnicity on rates of incarceration; Comparative statistics, by race/ethnicity on rates of educational attainment; Comparative statistics, by race/ethnicity on rates of general morbidity and mortality

*Suggested – Percent of residents from traditionally marginalized communities in positions of influence*

**Cluster: Place**

**Factor: What’s Sold & How It’s Promoted**

**What’s Sold – Grocery Stores**

Grocery store rate per 10,000 residents; Percent of households within ½ mile of a full-service grocery store, fresh produce market, or store with fresh produce; Percentage of census tracts without at least one healthier food retailer within the tract or within ½ mile of the tract, by geographic region, by census tract demographic characteristics, and by census tract demographic characteristics and region; Healthy food outlet density; Percent of area that is within a food desert; Average weekly cost of a market basket for food items relative to income; Price of fruit and vegetables; Women, infant, and children vendor rate per 10,000 residents; WIC authorized grocery stores

*Suggested – Adequate food*
What’s Sold – Retail Food
Fast food outlets per 1000 population\(^70\); Fast food restaurant rate per 10,000 residents\(^71\); Fast food outlet density\(^72\); Retail food environment index\(^73\); Modified Retail Food Environment Index\(^74\); Child and adolescent caloric intake in restaurants\(^75\); Food retail incentive policies\(^76\); Percentage of counties with limited access to healthy foods\(^77\)

Suggested – Retail food environment index* 

What’s Sold – Sugar Sweetened Beverages
Sugar-sweetened beverage taxation\(^78\); School policies to facilitate access to clean drinking water\(^79\)

What’s Sold – Other Health Promoting Products and Services
Neighborhood Completeness Index\(^80\)

Suggested – Ease of access to shops and services; Perceived availability of certain products; Availability and promotion of safe, healthy, affordable, culturally appropriate products and services (e.g., books and school supplies, sports equipment, arts and crafts supplies, and recreational items)

What’s Sold – Other Health Degrading Products and Services
Off-sale liquor license rate per 10,000 residents\(^81\); On-sale liquor license rate per 10,000 residents\(^82\); Density of alcohol outlets by type of establishment sales (on-site/off-site)\(^83\); Number of beer, wine and liquor store outlets\(^84\)

Suggested – Limited promotion and availability, or lack, of potentially harmful products and services (e.g., tobacco, firearms, alcohol and other drugs)

How It’s Promoted
Annual measure of children’s exposure to TV ads for unhealthy foods/beverages\(^85\)

Suggested – Food marketing to kids group*, Billboard ads

Health and Behavior Impacts
Percent of adults who consume 5 servings of fruits & vegetables a day\(^86\); Average annual rate of motor vehicle crashes involving alcohol per 10,000 residents\(^87\); Rates of binge drinking\(^88\); Rates of smoking among youths aged 12-17\(^89\); Rates of smoking among adults aged 18+\(^90\)

Factor: Look, Feel, & Safety

Look and Feel
Percent households reporting noise to be a problem\(^91\); Density of alcohol outlets by type of establishment sales (on-site/off-site)\(^92\);

Suggested – Percent households reporting major trash, litter, or junk on the streets near their home; Percent of households reporting one or more vandalized buildings in their neighborhood; blight; Abandoned buildings; Nightlife; Architectural aesthetic; Community and private gardens; Foot traffic in the neighborhood; Playground or other safe place to play; Conservation and park land, walkability measure
Safety – Overall
Crimes against persons per 1000 local residents; Crime rate for all part I offences per 1,000 residents; Reported crime rate by type of crime; Crime rate; Crimes against property per 1000 local residents; Property crime rate per 1,000 residents; Lifetime likelihood of ever going to prison; Disproportional representation in prison population; Incarceration rate; Gang related crime rate per 1,000 residents

Suggested – Safe place to walk within 10 minutes of home; Youth connected to a caring adult; Percent of people who know their neighbor; Percent of households reporting poor levels of police protection in their neighborhood; Percent of households reporting neighborhood crime as a problem or bothersome

Safety – Violent Crime
The number of murders, rapes, robberies and aggravated assaults per 100,000 population; Violent (homicide, aggravated assault and robbery) crime rate per 1,000 residents; Emergency department visits for assault per 100,000 residents; Rate of violent crime; Exposure to other forms of violence (shootings, bombs, riots); Firearms-related death rate; Homicide-related death rate; Homicide rate per 100,000 residents; Homicide by age

Safety – Children and Minors
Children with incarcerated parents; Juvenile arrest rate; Juvenile custody rate; Proportion of children aged 0-17 living in safe neighborhoods; Witnessing domestic violence; Substantiated child abuse and neglect; Disproportional representation in foster care; Percentage of middle and high school students who reported feeling safe in their communities; Youth Violence Prevention Nonprofit Revenue

Suggested – Can a 12-year-old walk to buy a quart of milk?

Factor: Parks & Open Space

Amount of Park, Open, and Natural Space
Park level of service (acres per 1,000 residents); Acres of parkland per 1,000 residents; Expenditures on natural resources; Expenditures on parks and recreation

Suggested -- Per capita dollars spent for park space per city/neighborhood; Acreage of: conservation and park land, wildlife habitat; Public land; Natural open space preserved through the planning/ (re)development process

Access to Parks and Open Space
Park access; Percent of residents within ½ mile of park, beach, open space, or coastline; Distance to nearest park or open space; Policies that promote physical activity and the built environment

Suggested – Safe place to walk within 10 minutes of home; Outdoor space that is accessible; Open space near urban villages; Safe, clean parks

Land Use Mix
Land use mix; Land use diversity; Existing residential land use; Existing commercial land use; Existing industrial land use; Acres of cropland converted to developed land; Tree canopy coverage (urban areas)
Recreational Facility Access
Recreational facility outlet density; Number of recreational and fitness facilities; Joint/shared use of community facilities

Suggested – Places to play; Outdoor recreation

Factor: Arts & Cultural Expression

Funding for and Availability of the Arts
Per capita revenue in nonprofit arts organizations

Suggested – Opportunities for engagement with arts, music and culture; Public funding for the arts per capita; Murals and exhibitions; City-serving art/cultural facilities within a half-mile of a regional transit stop; Proportion of population within a half-mile and 1-mile of a public library; Local, culturally relevant art in building design/structure

Involvement in the Arts
Percent of workers employed in artistic occupations

Suggested – Participation in life-enriching activity; Participation in arts and culture

Factor: Getting Around & Transportation

Overall/General
Transportation Index; Percent of household income spent on travel; US Census Bureau - Percent of households perceiving traffic as a problem or bothersome; Miles traveled per capita by mode (car, public transit, walk/bike) Number of jurisdictions with Complete Streets policies in place

Suggested – Mobility and Transportation Index

Commuting
Percent of population driving to work alone; Percent of population carpooling to work; Percent of residents mode of transportation to work; Local commuting patterns; Percent of workers aged 16+ using various means of transportation to get to work; Percent of commuters who walk; Bicycle commuters; Pedestrian commuters; Percent of population aged 16 years or older by time walking and biking to work (e.g. ≥10 minutes/day); Cost per commute

Active Transportation
Adult active transport by walking; Bicycling by adults; Active commuting to school; Bicycle commuters; Pedestrian commuters; Percent of population aged 16 years or older by time walking and biking to work (e.g. ≥10 minutes/day); Percent of commuters who walk; Zero vehicle households

Suggested – Bike-able streets; Walkable streets; Pedestrian and bicycle friendly streets

Public Transportation
Public transportation commuters; Access to high-frequency metro transit service; Percent of population located <¼ mile of a regional bus/rail/ferry & <¼ mile local bus/light rail; Proximity to express bus stops; Average transit fare; Zero vehicle households; Percent of households reporting unsatisfactory or no public transportation in their neighborhood

Suggested – Transportation for people with disabilities; Average weekday bus ridership per 1,000
Motor Vehicle Accidents
Motor vehicle crashes with pedestrians and bicyclists\(^{172}\); Average annual rate of motor vehicle crashes with pedestrians per 10,000 residents\(^{173}\); Average annual rate of motor vehicle crashes with bicyclists per 10,000 residents\(^{174}\); Average annual rate of motor vehicle crashes with pedestrians and bicyclists\(^{175}\); Average annual rate of motor vehicle crashes with pedestrians and bicyclists under age 18 within a half-mile of a school per 10,000 residents under age 18\(^{176}\); Average annual motor vehicle traffic death rate per 100,000 residents\(^{177}\); Number and rate of collisions by severity and mode of transport (e.g. pedestrian-car collisions per vehicle mile or mile walked)\(^{178}\); Pedestrian/motor vehicle deaths\(^{179}\)

Density of Intersections/Roads
Intersection density\(^{180}\); Block size\(^{181}\); Population density on blocks smaller than 8.26 acres\(^{182}\)

**Factor: Housing**

**Housing Affordability**
Gross rent as percent of household income\(^{183}\); Percent of income spent on mortgage/rent\(^{184}\); Percent of households paying over 30% of income for rent\(^{185}\); Percent of households paying more than 30% of income on housing costs\(^{186}\); Percent of households paying over 30% of income for mortgages\(^{187}\); Percent of household income spent on rent or mortgage using benchmarks of >30% (burdened) and >50% severely burdened\(^{188}\); National percentage of families spending 50 percent or more of monthly income on housing costs for either rent or mortgage\(^{189,190}\); Affordability of Transportation and Housing (Index)\(^{191}\); High cost loan rate\(^{192}\); Energy costs relative to household income\(^{193}\); Number of subsidized housing units per 1000 local residents\(^{194}\); Subsidized housing units\(^{195}\); Housing Index\(^{196}\)

**Overcrowded Housing**
Housing units with more than 1.5 persons per room\(^{197}\); Crowded housing as a percent of total households\(^{198}\); Housing units with one person or more per room\(^{199}\); Percent of households in overcrowded (≥1.01 persons/room)and severely overcrowded (≥1.50 persons per room) conditions\(^{200}\); Mean number of persons per room\(^{201}\); Housing Index\(^{202}\)

**Vacant Housing**
Rental vacancy rate as a percentage of rental units\(^{203}\); Vacancy rate\(^{204}\); Percent of vacant housing\(^{205}\); Housing Index\(^{206}\)

**Housing Instability and Turnover**
Percent of households that have moved in the last 5 years\(^{207}\); 5-year change in number of households by income and race/ethnicity (neighborhood change or gentrification)\(^{208}\); Foreclosure rate\(^{209}\); Housing Index\(^{210}\)

*Suggested – Rate of homelessness; Rate of no-fault evictions*

**Home Ownership**
Assessed residential property values\(^{211}\); Owner occupied property value\(^{212}\); Sales price of existing homes\(^{213}\); Median value of owner occupied homes\(^{214}\); High cost loan rate\(^{215}\); Owner occupied housing as a percentage of total housing units\(^{216}\); Foreclosure rate\(^{217}\); Housing Index\(^{218}\)
Housing Conditions
Housing stock condition\textsuperscript{219}; Ratio of inadequate housing units to total occupied housing units\textsuperscript{220}; Ratio of unhealthy housing units to total occupied housing units\textsuperscript{221}; Ratio of housing with rodents to total occupied housing units\textsuperscript{222}; Ratio of housing with peeling paint to total occupied housing units\textsuperscript{223}; Ratio of housing with no working smoking alarm to total occupied housing units\textsuperscript{224}; Median age of housing units\textsuperscript{225}

\textit{Suggested – Health and building codes}

Neighborhood
Index of Dissimilarity\textsuperscript{226}; Inclusion Index\textsuperscript{227}; Residential density\textsuperscript{228}; Housing diversity\textsuperscript{229}; Household by type of family and head of household\textsuperscript{230}; Degree of residential segregation (e.g., ratio of percent of non-white race/ethnic groups in a specific geographic area to city or county average)\textsuperscript{231}; Owner occupied housing as a percentage of total housing units\textsuperscript{232}; Percent renter-occupied housing units\textsuperscript{233}; Renters-occupied housing units\textsuperscript{234}; Percent of households perceiving undesirable commercial, institutional, or industrial use\textsuperscript{235}; Housing to jobs ratio\textsuperscript{236}; Jobs: housing match (e.g., Percent of adult working population who could find a job that matches their general occupational qualifications within a specified travel radius of their residence)\textsuperscript{237}

\textit{Suggested – Neighborhood Disinvestment Index}\textsuperscript{238}

\textbf{Factor: Air, Water, & Soil}

Air Pollution
Number of days per year geographic area exceeds ambient air standards for criteria pollutants (ozone and PM\textsubscript{2.5})\textsuperscript{239}; The average exposure of the general public to particulate matter of 2.5 microns or less in size (PM\textsubscript{2.5})\textsuperscript{240}; Percentage of population covered by comprehensive smoke-free indoor air laws, by state\textsuperscript{241}; 24 hour particulate matter non-attainment\textsuperscript{242}

\textit{Suggested – Number of comprehensive smoke-free policies in places that prohibit smoking in all indoor areas of work sites and public places, including restaurants and bars}; 8-hour ozone non-attainment

Water Use and Pollution
Average daily water use per capita\textsuperscript{243}; Drinking water quality (percent of the population served by water systems meeting regulations of the Safe Drinking Water Act)\textsuperscript{244}

\textit{Suggested – Water quality}; Number of violations per year for federally regulated drinking water contaminants; Beach closures

Agricultural Pollution
Reported pesticide use\textsuperscript{245}

\textit{Suggested – Farmland treated with chemicals}; Total pounds of pesticide chemicals released, total pounds of waste managed

Residential Pollution
Annual per capita GHG emission\textsuperscript{246}

\textit{Suggested – Recycling}
Pollution Exposure in Neighborhoods
Pollution exposure\textsuperscript{247}; EPA Environmental Hazards\textsuperscript{248}; Pollution Burden Score\textsuperscript{249}; Average daytime and night time noise outdoor noise levels\textsuperscript{250}; Percent of households reporting neighborhood odor to be a problem\textsuperscript{251}; Population density of census blocks within 500 feet of manufacturing, warehousing, and distribution and refinery and chemical plants lands and the port\textsuperscript{252}; Population density of census blocks within 500 feet of truck routes\textsuperscript{253}; Percent of households/population near busy roadways\textsuperscript{254}; Number and percentage of population living within 150 meters of a major highway, by selected characteristics\textsuperscript{255}

\textit{Suggested – Number of hazardous facilities within a defined community; Resident toxic exposure}

Industry Pollution
Federal Toxic Release Inventory (Tri): Number of Facilities Reporting\textsuperscript{256}; Federal Toxic Release Inventory (Tri): Total Air Emissions in Pounds\textsuperscript{257}; Federal Toxic Release Inventory (Tri): Total Water Discharge in Pounds\textsuperscript{258}; Federal Toxic Release Inventory (Tri): Waste Stream in Pounds\textsuperscript{259}; Pounds of toxic chemicals generated by reporting facility per capital/geographic area\textsuperscript{260}; Total waste diversion (per capita disposal rate)\textsuperscript{261}

\textit{Suggested – Total pounds of surface water chemicals discharged by industry, by chemical; Total pounds of selected heavy metals released by industry}

Health Outcomes
\textit{Suggested -- Asthma rates; Number of no-burn days; number of emergency room admissions for asthma; Rates of lead poisoning}

Cluster: Equitable Opportunity

\textit{Factor: Education}

High School Completion
Age-standardized percentage of adults aged ≥25 years who did not complete high school, by selected characteristics\textsuperscript{262}; Age-standardized percentage of adults aged 18–24 years who did not complete high school, by selected characteristics\textsuperscript{263}; Cumulative four year drop out rate\textsuperscript{264}; High school noncompletion\textsuperscript{265}; Percent of population age 25 and over that did not graduate from high school\textsuperscript{266,267}; Percent of Adults with less than a 9th grade education\textsuperscript{268}; Percent of population age 25 and over that graduated from high school\textsuperscript{269}; Percent of population aged ≥ 25 years by educational attainment graduation rates\textsuperscript{270}; High school graduation rate\textsuperscript{271}; High school truancy\textsuperscript{272}; Middle school truancy\textsuperscript{273}

\textit{Suggested -- GED attainment}

College Attendance/Graduation
Percent of population age 25 and over with a Bachelor’s degree or higher\textsuperscript{274}; Percent of adults with at least a bachelor's degree\textsuperscript{275}; Percent of high school graduates attending college\textsuperscript{276}
**Academic Performance**

Average SAT Composite Scores\(^{277}\); Average SAT Scores for Math\(^{278}\); Average SAT Scores for Verbal\(^{279}\); Academic Performance Index\(^{280}\); Mean score of Academic Performance Index (API)\(^{281}\); Math test scores\(^{282}\); Reading test scores\(^{283}\); Student achievement below reading proficiency (grade 4)\(^{284}\); Student achievement below reading proficiency (grade 8)\(^{285}\); Student achievement below math proficiency (grade 4)\(^{286}\); Student achievement below math proficiency (grade 8)\(^{287}\); Children reading at grade level by 3\(^{rd}\) or 4\(^{th}\) grade\(^{288}\); Percent high school students scoring below basic in English\(^{289}\)

**Poverty in Schools**

Percent of elementary school students eligible for meal programs\(^{290}\); Percent of primary school students eligible for free and reduced-price lunches\(^{291}\); Percent of middle school students eligible for free and reduced-price lunches\(^{292}\); Percent of high school students eligible for free and reduced-price lunches\(^{293}\); Student poverty\(^{294}\)

**Early Childhood Development, Pre-Kindergarten Experience/School Readiness**

Percent of kindergarten students with pre-kindergarten educational experience\(^ {295}\); Percent of children who are kindergarten ready\(^{296}\); Number of licensed daycare center slots per 1000 children aged 0-4 years\(^{297}\); Number of states where 60 percent or more 3- and 4-year-olds are enrolled in preschool\(^{298}\)

Suggested -- Child development programs; Nursery school/preschool enrollment; Funding for expansion of community preschool programs; Training for programs for providers of home-based childcare

**Physical Conditions of Schools**

Number of years since last major renovation: elementary schools\(^{299}\); Number of years since last major renovation: high schools\(^{300}\); Number of years since last major renovation: middle schools\(^{301}\); Number of library outlets per 100,000 people, nationally and by state\(^{302}\); Quality of educational facilities\(^{303}\)

Suggested -- Number of library books and serial volumes

**Social Conditions of Schools**

Percent of high school students enrolled in special education\(^{304}\); School suspension\(^{305}\); Grade retention\(^{306}\); Percent of resilient high school students\(^ {307}\); Percent of high school teachers with full credentials; Percent middle school teachers with full credentials\(^{308}\)

Suggested – Pupils per teacher; Expenditures per pupil; School success

**School Neighborhood**

Percent of continuing elementary school students who attended the same school last year\(^{309}\); Median earnings for the population age 25 and over that did not graduate from high school\(^{310}\); Poverty rate for the population age 25 and over who did not graduate high school\(^ {311}\); Hours per week of television viewing by age\(^ {312}\)

Suggested—Adult literacy; People ready for employment; Percentage of parents reading daily to their children; Proportion of children attending neighborhood public schools; Parenting classes in schools; Churches or health agencies; Development of high quality foster child care systems; Programs to strengthen community school relationships
Teachers
Teacher qualification

*Suggested—Teacher quality; Competitive salaries for teachers, rates of teacher turnover*

**Factor: Living Wages and Local Wealth**

**Neighborhood Socio-Economic Conditions**
Neighborhood structural disadvantage; Material Deprivation; Hardship Index; Percentage of Births to Mothers Under 20; Gini index; Maternal education (less than high school); Children in single parent households; Geographic concentration of wealth; The civilian non-institutionalized population, between 16 and 64 years; Annual percentage of families with parents eligible for Family Medical Leave Act (FMLA) coverage who can also afford it, nationally and by state.

*Suggested -- Neighborhood Disinvestment Index*

**Access to Jobs**
Unemployment prevalence among adults aged 18–64 years, by selected demographic characteristics; Unemployment rate as a percent of the civilian labor force; Number unemployed; Unemployment rate; Number employed; Full time employment rate as a percentage of males 16 and older; Labor force participation as a percentage of males 16 and older; Full vs. part time employment; Access to living wage jobs; Housing to jobs ratio; Jobs: housing match; Food service workers as a percentage of total employment; Health service providers as a percentage of total employment; Management workers as a percent of total employment; Professional positions as a percentage of total employment; Industrial mix; Job growth trends, 2000–2010; Job Growth: 10 Year Average; Job Growth: 5 Year Average; Labor force participation rates; Skills needed by employers.

*Suggested -- Distribution of employed persons by sex, race/ethnicity, occupation; Proportion of locally owned businesses; proportion of jobs requiring High School diploma or GED; Job density per square mile*

**Occupational Health**
Overall health status and number of physically and mentally unhealthy days in past 30 days among adults aged 18–64 years, by employment status; Number and rate of fatal and nonfatal occupational injuries by industry.

**Household Income and Poverty**
Household Income; Percent of the households earning a living wage; Household Income Diversity; Median household income; Percentage of households with income below the poverty line; Percentage of population living in poverty; Age-standardized percentage of adults aged ≥18 years with incomes less than the federal poverty level, by selected characteristics; Poverty rate; Percent of households below poverty; Percent of individuals with income below 50% of poverty.

*Suggested -- Household income by race and gender*
**Childhood Poverty**
Percentage of children age 18 and under living in poverty\(^1\), Overall and child (0 to 18 years of age) poverty rate and percent of the population living in concentrated poverty (census tracts in which >40% of households are living below poverty line)\(^2\); The percentage of persons under age 18 who live in households at or below the poverty threshold\(^3\), Children living in poverty\(^4\), Children living with unemployed parents\(^5\), Percent of population under 18 living in poverty\(^6\), Maternal education (less than high school)\(^7\), Percentage of births to mothers under 20\(^8\), Annual percentage of families with parents eligible for Family Medical Leave Act (FMLA) coverage who can also afford it, nationally and by state\(^9\).

*Suggested - Children in single parent households*

**Reliance on Social Safety Net**
Temporary Family Assistance recipients per 1000 residents\(^10\); Households receiving public assistance\(^11\), Number of subsidized housing units per 1000 local residents\(^12\), Subsidized housing units\(^13\), Percent of population that is uninsured\(^14\).

**Wealth Accumulation**
Geographic concentration of wealth\(^15\), Bankruptcy filings\(^16\), Savings rates\(^17\), Consumption patterns\(^18\), Ratio of annual income/expenditures\(^19\).

**Homeownership**
Owner occupied housing as a percentage of total housing units\(^20\), Assessed residential property values\(^21\), Owner occupied property value\(^22\), Sales price of existing homes\(^23\), Median value of owner occupied homes\(^24\), Home purchase mortgages approved per 1000 local residents\(^25\), Home purchase mortgages initiated per 1000 local residents\(^26\), Percent of home purchase mortgages that are approved\(^27\), Average dollar value of home purchase mortgages\(^28\), Mortgage application approval rates by race/ethnicity\(^29\), Rate of overall mortgage approvals by geography\(^30\), Percent of households paying more than 30% of income on housing costs\(^31\), Percent of households paying over 30% of income for mortgages\(^32\), Percent of household income spent on rent or mortgage using benchmarks of >30% (burdened) and >50% severely burdened\(^33\), Foreclosure Needs Score\(^34\), Foreclosure rate\(^35\).

**Renter Occupied Housing**
Percent renter-occupied housing units\(^36\), Renter-occupied housing units\(^37\), Rental vs. owner occupied homes\(^38\), Proportion of renters by race/gender; Proportion of homeowners by race, gender\(^39\), Percent of households paying over 30% of income for rent\(^40\), Percent of households paying more than 30% of income on housing costs\(^41\), Gross rent as percent of household income\(^42\), Percent of household income spent on rent or mortgage using benchmarks of >30% (burdened) and >50% severely burdened\(^43\).

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1 California Department of Public Health. Health Community Indicators Core List. WORKING DRAFT. 2013
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