

COMMUNITY HEALTH ASSESSMENT INDICATORS

Department of Public Health
County of Los Angeles

March 2014



The Los Angeles County Department of Public Health's Office of Planning, Evaluation, and Development held a key stakeholder meeting on November 6, 2013 to kick off a community planning effort that includes the development of a Community Health Assessment (CHA) and a Community Health Improvement Plan (CHIP). Following the meeting, on December 11, 2013, a webinar was held to present a draft list of health indicators for the CHA and to describe the indicator selection process. The draft list was posted on the Planning Office's website and shared with stakeholders to solicit public comment. The list was also shared with the Department of Public Health's (DPH) Programs to gather feedback on the indicators. This list contains the final composite of indicators based upon the input received.

Indicators were selected with the following criteria:

- *Communicates well* – One goal of the CHA indicator list is to produce a parsimonious set of measures that can still explore complicated aspects of health issues and yet communicate to a wide audience. Many data points can be obtained but among the considerations were: Does the measure convey if the finding is positive or negative? For example, simply obtaining the number of daycare slots doesn't inform the real issue which is the amount of unmet need among children needing daycare slots. To this end, measures that have been benchmarked were also favored. Measures that have been validated or are widely accepted by its field were chosen. Many measures suggested were indexes, summary measures that might be derived from several measures. Among the questions asked when selecting indexes: Were the methods for the index well-explained and available? If so, could the index be obtained or recreated for the Service Planning Areas (SPA) or Los Angeles County? Are the methods understood and can the composition be easily explained to a lay audience? How well done was the science for those methods? Has the index been validated, including measuring the concept it purports to measure (have "face validity")? Is use of the index widely accepted? Is the index consistent with what DPH has used for the same concept in its reports? For concepts DPH has produced reports on previously, unless there was a compelling reason, attempts were made to be consistent with DPH's past selection of an index.
- *Data available at County level or by SPA* – Another goal is to obtain data by SPA. There are some indicators that are available by County only that are considered important to LA County's health story to include. There is other data that would have been preferable to include but unfortunately, is not available by County or SPA. For example, there are a number of measures or indexes that are listed in similar reports which describe the city of Los Angeles, but the data sources are not available for the entire County.
- *Current* – Effort was made to include recent data, preferably from the last 3 years. A few indicators were only available with older data sources and if advised these were the most relevant, then these indicators/sources were included.
- *No cost* – Data sources available to the Department of Public Health at no cost were sought out.
- *Can be shared with the Department of Public Health and published in the CHA* – The CHA will be published this spring.

For further information: http://publichealth.lacounty.gov/plan/Highlights/CHA_CHIP/Overview.htm

Contact us: dphplanning@ph.lacounty.gov

Legend

Yellow – Indicators/data sources highlighted in yellow were added based on input provided during the public comment period

* - Indicators noted with an asterisk are available by county only

■ - Indicators noted with a box are available by county, school, and school district

None of the indicators from the draft list were deleted, but some have been updated for clarity

Abbreviations

Los Angeles County Department of Public Health	LAC DPH
Department of Public Health, Maternal, Child, and Adolescent Health Programs, Los Angeles Mommy and Baby Project	LAMB
Department of Public Health, Office of Health Assessment and Epidemiology	OHAE
Los Angeles County Health Interview Survey	LACHS
California Health Interview Survey	CHIS
Office of Statewide Health Planning and Development	OSHPD
Youth Risk Behavior Survey	YRBS

Table of Contents

<i>Demographics</i>	6
<i>Social Determinants</i>	6
Education	6
Employment Status	7
Income	7
Housing	7
Food Access	8
Community Cohesion.....	8
Child Care	9
Emergency Preparedness.....	9
<i>Physical Determinants</i>	9
Neighborhood.....	9
Built Environment	10
Air Quality	10
Transportation	10
<i>Health Status</i>	11
Health-Related Quality of Life.....	11

Elder Care.....	11
<i>Access to Care</i>	11
Insurance.....	11
Regular Source of Care.....	11
Access to Health Care	11
Access to Dental Care	12
Access to Mental Health Care.....	12
Resources	12
<i>Preventive Services</i>	12
Adult Health.....	13
Women’s Health.....	13
Immunizations	13
Breastfeeding.....	13
<i>Health Behaviors.....</i>	14
Alcohol and Drug Use	14
Nutrition.....	14
Fruits/Vegetables.....	14
Fast Food/Soda	14
Tobacco Use	15
Physical Activity.....	15

***Health Outcomes*15**

Overweight & Obesity 15

Diabetes 15

Cardiovascular Disease 16

Reproductive Health 16

Injury 16

Mental Health 17

Communicable Diseases 17

Respiratory Disease..... 17

Preventable Hospitalizations 17

Cancer 17

All-Cause Mortality 17

Indicator/Measure	Data Source
Demographics	
Total population in LA County and total population per SPA	DPH Office of Health Assessment and Epidemiology (OHAE)
Percent of population by age groups	OHAE
Percent of population by gender	OHAE
Percent of population by race/ethnicity	OHAE
Percent of population that is foreign born	Los Angeles County Health Survey (LACHS) 2011
Percent of adults who mostly speak English at home	LACHS 2011
Percent of adults with limited English speaking ability	California Health Interview Survey (CHIS) 2011-2012
Percent of population by marital status	LACHS 2011
Percent of population with a disability	LACHS 2011
Percent of population by sexual orientation	LACHS 2011
Social Determinants	
<i>Education</i>	
Percent of population by highest level of education completed by age 25	LACHS 2011
■ High school graduation rate	California Department of Education 2011-2012

Indicator/Measure	Data Source
■ Percent of schools with Academic Performance Index score of 800 or higher	California Department of Education 2011-2012
*Percent of students who attend public school	California Department of Education 2012-2013
<i>Employment Status</i>	
Percent of adults who are unemployed	LACHS 2011
<i>Income</i>	
Percent of population with household incomes below 100%, 200%, 300% FPL for families with and without children	LACHS 2011
*Income inequality: Percent distribution of population across income brackets	Los Angeles County Economic Development Corporation
*Median household income	American Community Survey
*Cost of living monthly budget - formerly Living Wage (estimate of family budget including housing/utilities, child care, transportation, food, health care, taxes and miscellaneous)	California Budget Project
*Economic Hardship Index (combination of 6 indicators – crowded housing, persons living below FPL, persons over age 16 who are unemployed, persons over age 25 without high school education, population under 18 or over 64 years, per capita income)	OHAE
*Elder Economic Security Standard Index (income needed to meet basic needs based on monthly expenses)	UCLA Center for Health Policy Research
*Percent of total tax returns that are eligible for Earned Income Tax Credit *Percent of these returns that claim EITC payment *Percent of returns that are eligible, but do not claim EITC	New America Foundation report Left on the Table
<i>Housing</i>	
*Percent of children living with single-parent householder	American Community Survey
Percent of owner-occupied housing units	LACHS 2011

Indicator/Measure	Data Source
Percent of housing in poor quality (has any one of: mold, pests, built before 1979 and has chipping paint, lacks heat or hot water)	LACHS 2011
Percent of population that pays more than 30% of their income on rent	American Community Survey
Percent of population that lives in overcrowded housing	American Community Survey
Percent of population that is homeless	2013 Greater Los Angeles Homeless Count 2013 City of Glendale Homeless Count City of Pasadena 2013 Homeless Count & Subpopulation Survey: Final Report City of Long Beach Homeless Count Summary Report 2013
Percent of adults who report ever being homeless in the past 5 years	LACHS 2011
Food Access	
Percent of households that are food insecure (Food insecurity is a scaled variable based upon 5 questions such as the amount of food available in one's household)	LACHS 2011
Percent of population that has difficulty getting fresh produce	LACHS 2011 LACHS 2011 (Child Survey)
*Modified Retail Food Environment Index (measures the number of healthy & less healthy food retailers)	OHAE
*Percent of population that is eligible for Cal Fresh *Percent of population that is eligible for Cal Fresh but does not participate	California Food Policy Advocates report Lost Dollars, Empty Plates 2011
■ Percent of students eligible for free/reduced lunch program	California Department of Education 2012-2013
Community Cohesion	
Percent of population registered to vote and voted in the 2012 presidential election	Los Angeles County Registrar/Recorder
Percent of population that feels neighbors are willing to help each other, can be trusted, get along, share same values, know each other	CHIS 2011 -2012
Percent of adults engaged in formal volunteer work for community problems in the past year	CHIS 2011-2012

Indicator/Measure	Data Source
<i>Child Care</i>	
Percent of children (0-5 years old) whose primary caretaker reported it is very or somewhat difficult to find childcare on a regular basis and reason (too expensive, no availability, etc.)	LACHS 2011 (Child Survey)
Estimated number of licensed day care spaces needed by working parents of children aged 0-5	Los Angeles County Office of Child Care Los Angeles County Child Care and Development Needs Assessment 2011
<i>Emergency Preparedness</i>	
Percent of adults who are prepared for major disaster	LACHS 2011
*Percent of adults confident that the County's public health system can respond effectively to protect the public's health	Public Health Response to Emergent Threats Survey II (PHRETS) 2007
*Percent of adults who believe their community is prepared for disasters	Public Health Response to Emergency Threats Survey I (PHRETS) 2004
Physical Determinants	
<i>Neighborhood</i>	
Percent of adults who believe their neighborhood is safe	LACHS 2011
Percent of mothers who believe their neighborhood is safe	Los Angeles County Department of Public Health, Maternal, Child, and Adolescent Health (MCAH) Programs (MCAH), Los Angeles Mommy and Baby Project, 2010 Surveillance Report.
Percent of adults who think nearby park or playground is safe	LACHS 2011
Number of liquor retail stores per square mile	LAC DPH Substance Abuse and Prevention Control report Reducing Alcohol Related Harms in Los Angeles County March 2011

Indicator/Measure	Data Source
*Number of violent crimes	State of California Department of Justice, Office of the Attorney General
*Number of property crimes	State of California Department of Justice, Office of the Attorney General
*Percent of farmers markets that accept electronic benefits transfer (EBT)	Los Angeles Food Policy Council
Built Environment	
Percent of adults who use walking paths, parks, sports fields, playgrounds in neighborhood	LACHS 2011
Percent of children who are near a park, playground or other safe place for (child) to play that can be accessed easily?	LACHS 2011 (Child Survey)
Park space per capita	LAC DPH Office of Health Assessment and Epidemiology Preventing Childhood Obesity: The Need to Create Healthy Places
Air Quality	
*Number of days Air Quality Index exceeds unhealthy levels (unhealthy defined as exceeds 100)	United States Environmental Protection Agency
Index for pollution burden	California Environmental Protection Agency/Office of Environmental Health Hazard Assessment, California Communities Environmental Health Screening Tool (CalEnviroScreen)
*Population living within 500 feet of freeways	Los Angeles County Department of Regional Planning
*Number of schools within 500 feet of freeways	Los Angeles County Department of Regional Planning
Percent of households with children exposed to tobacco smoke in their own homes	LACHS 2011
Transportation	
*Percent of adults who commute to work by car for longer than an hour	American Community Survey
*Percent of trips by means of transportation (car, walk, bike, public transportation)	National Household Travel Survey 2009
*Percent of trips less than 1 mile by means of transportation	National Household Travel Survey 2009

Indicator/Measure	Data Source
*Percent of all traffic-related fatalities involving pedestrians and bicyclists	California Department of Public Health, Safe and Active Communities Branch
*Percent of students who walk and bike to school	National Household Travel Survey 2009
Health Status	
Health-Related Quality of Life	
Average number of days in the past 30 days that usual activities were limited due to poor physical and/or mental health.	LACHS 2011
Average number of unhealthy days (Mental and/or Physical) in the past 30 days reported by adults	LACHS 2011
<i>Elder Care</i>	
Percent of adults who provided care or assistance during the past month to another adult living with a long-term illness or disability	LACHS 2011
Access to Care	
<i>Insurance</i>	
Percent of the population medically insured/uninsured	LACHS 2011 LACHS 2011 (Child Survey)
<i>Regular Source of Care</i>	
Percent of population with regular source of care	LACHS 2011 LACHS 2011 (Child Survey)
<i>Access to Health Care</i>	
Percent of population who had difficulty getting medical care when needed	LACHS 2011 LACHS 2011 (Child Survey)

Percent of the population who did not obtain medical care when needed because could not afford it	LACHS 2011 LACHS 2011 (Child Survey)
Percent of the population who did not obtain needed prescription medication in the past year because they could not afford it.	LACHS 2011 LACHS 2011 (Child Survey)
<i>Access to Dental Care</i>	
Percent of the population (adults & children) who did not get dental care in the past year because could not afford it	LACHS 2011 LACHS 2011 (Child Survey)
Length of time since last dental visit	LACHS 2011 LACHS 2011 (Child Survey)
<i>Access to Mental Health Care</i>	
Percent of adults who had difficulty obtaining mental health care when needed	LACHS 2011
Percent of population living below 200% FPL with unmet need for publicly funded mental health services	County of Los Angeles, Department of Mental Health Quality Improvement Work Plan Evaluation Report Calendar Year 2012
<i>Resources</i>	
Number of inpatient licensed available beds	OSHPD Hospital Annual Utilization Report 2012
Number of encounters at community and free primary care clinics	OSHPD Annual Report of Primary Care Clinics 2012 Community & Free clinics
*Number of Primary Care Physicians in Los Angeles County	InfoUSA
*Percent of primary care physicians who participate in Medi-Cal	California Health Care Foundation Physician Participation in Medi-Cal, 2008
Number of ambulance diversion hours at Emergency Departments	OSHPD Hospital Annual Utilization Report 2012
Preventive Services	
Percent of adolescents who received screening for STDs (other than HIV)	CHIS 2011-2012

Adult Health	
Percent of adults who use aspirin daily (men 45-79 to prevent myocardial infarctions, women 55-79 prevent ischemic strokes)	LACHS 2011
Percent of adults who received screening for STDs (HIV, Chlamydia)	LACHS 2011
Percent of adults who received tobacco use screening/brief counseling	LACHS 2011
Percent of adults 50-75 years ever had colorectal cancer screening	CHIS 2009
Women's Health	
Percent of women 21-65 years who had Pap smear within past 3 years	LACHS 2011
Percent of women 50-74 years who had a mammogram within past 2 years	LACHS 2011
Immunizations	
Percent of adults 18+ vaccinated against influenza in past 12 months	LACHS 2011
Percent of adults 65+ ever vaccinated against pneumonia	LACHS 2011
Percent of women vaccinated against influenza during pregnancy	LAMB 2010
Percent of females ages 13-15 who have received 3 doses of human papillomavirus (HPV) vaccine	LACHS 2011 (Child Survey)
Percent of Kindergarten enrollees who received all immunizations required for school entry	LAC DPH Immunization Program Annual School Immunization Assessment Report 2011
Percent of Kindergarten enrollees with Personal Beliefs Exemptions (PBE)	LAC DPH Immunization Program Annual School Immunization Assessment Report 2011
Breastfeeding	
Percent of children breastfed at 6 months	LACHS 2011
Percent of mothers who initiate breastfeeding after delivery	LAMB 2010

Health Behaviors	
<i>Alcohol and Drug Use</i>	
Percent of adults who are binge drinkers (4+ for women, 5+ men)	LACHS 2011
Percentage of students who had their first drink of alcohol, other than a few sips before age 13 years	Youth Risk Behavior Survey (YRBS) 2011
Percentage of students who had five or more drinks <i>of alcohol in a row, that is</i> , within a couple of hours, on one or more of the past 30 days	YRBS 2011
Percent of students who used cocaine, methamphetamine, or ecstasy during their lifetime	YRBS 2011
Percent of students who have taken prescription drugs without a doctor's prescription	YRBS 2011
Percent of adults who used prescription drugs non-medically in the past 12 months	LACHS 2011
Percent of adults who used any methamphetamines, cocaine, or ecstasy in the past year even just one time	LACHS 2011
Percent of adults who needed or wanted treatment or counseling for alcohol or drugs in past 5 years	LACHS 2011
<i>Nutrition</i>	
Fruits/Vegetables	
Percent of adults who consumed 5+ servings of fruits and vegetables in past day	LACHS 2011
Fast Food/Soda	
Percent of population who eat fast food 1 or more times per week	LACHS 2011 LACHS 2011(Child Survey)
Percent of population who drink 1+ sodas/sugary beverages per day	LACHS 2011 LACHS 2011 (Child Survey)

Tobacco Use	
Percent of adults who are cigarette smokers (reported smoking at least 100 lifetime cigarettes and currently smoke)	LACHS 2011
Percentage of students who smoked a whole cigarette for the first time before age 13 years	YRBS 2011
Percentage of students who smoked cigarettes on one or more of the past 30 days	YRBS 2011
Percentage of students who used chewing tobacco, snuff, or dip on one or more of the past 30 days	YRBS 2011
Physical Activity	
Percent of adults who meet federal recommendations for exercise each week Percent of adults who are minimally active or inactive	LACHS 2011
Percent of children who meet federal recommendations for exercise each week Percent of children who are minimally active or inactive	LACHS 2011 (Child Survey)
Health Outcomes	
Overweight & Obesity	
Percent of adults who are overweight/obese (BMI 25-30, obese (BMI >30)	LACHS 2011
Percent of children who are overweight/obese (BMI above 95 th percentile)	California Department of Education Physical Fitness Testing 2010
Percent of women who were overweight/obese before pregnancy	LAMB 2010
Diabetes	
Percent of adults ever diagnosed with diabetes	LACHS 2011

<i>Cardiovascular Disease</i>	
Percent of adults ever diagnosed with high blood pressure or hypertension	LACHS 2011
Percent of adults ever diagnosed with heart disease	CHIS 2011
<i>Reproductive Health</i>	
Birth rate (per 1,000 live births)	California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011
Teen fertility rate (per 1,000 live births to females ages 15-19)	California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011
Percent of births with low birth weight (<2500 g)	California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011
Infant mortality per 1,000 live births	California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011
Percent of unintended pregnancy	LAMB 2010
Percent of mothers who had early prenatal care	LAMB 2010
Percent of mothers who place infants to sleep on back (supine position)	LAMB 2010
<i>Injury</i>	
Type of injury, number and rate among injury deaths	LAC DPH Injury and Violence Prevention Program Injury Mortality Report 2010
Type of injury, number and rate among non-fatal injuries (includes ER visits and hospitalizations)	LAC DPH Injury and Violence Prevention Program 2010
*Number of reports of child abuse	Inter-Agency Council on Child Abuse and Neglect (ICAN) The State of Child Abuse in Los Angeles County in 2011
Rate of intimate partner violence injuries (per 100,000 population)	CHIS 2009 OSHPD Emergency Department Data
*Number of Motor Vehicle Injury/Death due to DUI	Statewide Integrated Traffic Records System (SWIRTS) 2011

<i>Mental Health</i>	
Percent of adults ever diagnosed with depression, manic depression/bipolar, other mental health problem	LACHS 2011
Percent of women who report depressed mood during pregnancy	LAMB 2010
<i>Communicable Diseases</i>	
STD incidence per 100,000- HIV, Chlamydia, Gonorrhea	LAC DPH Division of HIV and STD Programs Sexually Transmitted Disease Morbidity Report 2011 2012 Annual HIV Surveillance Report
Number of tuberculosis cases	LAC DPH Tuberculosis Control Program Morbidity Data Tables 2011
Number of outbreaks associated with foodborne illness	LAC DPH ACDC Annual Morbidity Report 2012
Rate of hospital ICU central line-associated blood stream infections	Centers for Disease Control National Healthcare Safety Network
<i>Respiratory Disease</i>	
Percent of children 0-17 who currently have asthma	LACHS 2011 (Child Survey)
<i>Preventable Hospitalizations</i>	
Preventable hospitalizations for diabetes (long & short-term complications), pediatric asthma*, hypertension	OSHPD Preventable Hospitalizations in California: Statewide and County Trends, 1999 - 2008
<i>Cancer</i>	
*Cancer incidence/mortality, age-adjusted rates per 100,000 (most common cancers)	USC Cancer Surveillance Program, Cancer in Los Angeles County, Incidence and Mortality by Race/Ethnicity, 1988-2009
<i>All-Cause Mortality</i>	
Life expectancy	LAC DPH Office of Health Assessment and Epidemiology The Life Expectancy of Los Angeles County Residents
Leading causes of death and premature death potential years life lost	LAC DPH Office of Health Assessment and Epidemiology Mortality in Los Angeles County 2010