

# Key Indicators of Public Health

BY SERVICE PLANNING AREA 1999/2000



## HEALTH BEHAVIORS

### Alcohol and drug use

- Percent of all adults who binge drink—had 5 or more drinks on at least one occasion in the past 30 days<sup>1</sup>
- Drug related deaths among adults<sup>2</sup>  
(age-adjusted rate per 100,000 population)
- Percent of teens who report drinking alcohol in the past 30 days  
(Los Angeles Unified School District high school students only; not available by SPA)

### Nutrition

- Percent of adults who consume five or more servings of fruits and vegetables a day

### Overweight<sup>3</sup>

- Percent of adults who are overweight (BMI ≥ 25 & <30)
- Percent of adults who are obese (BMI ≥ 30)

### Physical activity<sup>4</sup>

- Percent of adults who engage in moderate to vigorous physical activity for at least 20-30 minutes at least 3 times a week
- Percent of adults who are sedentary

### Tobacco use<sup>5</sup>

- Percent of adults who smoke cigarettes
- Percent of teens who smoked cigarettes in the past 30 days  
(Los Angeles Unified School District high school students only; not available by SPA)

## HEALTH STATUS

### Activity limitation

- Average number of days regular daily activity was limited due to poor physical/mental health in the past 30 days

### Perceived health

- Percent of adults reporting their health to be poor to fair
- Percent of children ages 0-17 who are perceived by their parents to be in poor to fair health

	Antelope Valley SPA 1	San Fernando SPA 2	San Gabriel SPA 3	Metro SPA 4	West SPA 5	South SPA 6	East SPA 7	South Bay SPA 8	Los Angeles County	State of California	Healthy People 2010
Percent of all adults who binge drink—had 5 or more drinks on at least one occasion in the past 30 days <sup>1</sup>	10.2	15.6	13.9	18.5	20.2	14.5	15.6	15.1	15.6	N/A	6.0
Drug related deaths among adults <sup>2</sup> (age-adjusted rate per 100,000 population)	7.4	7.5	6.2	9.9	9.0	9.1	8.1	8.3	8.4	8.9	1.0
Percent of teens who report drinking alcohol in the past 30 days (Los Angeles Unified School District high school students only; not available by SPA)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39.8	N/A	N/A
Percent of adults who consume five or more servings of fruits and vegetables a day	10.4	13.1	11.9	11.0	13.2	9.9	9.8	11.9	11.6	N/A	N/A
Percent of adults who are overweight (BMI ≥ 25 & <30)	36.9	34.6	34.7	34.5	31.1	38.6	40.5	34.9	35.6	N/A	N/A
Percent of adults who are obese (BMI ≥ 30)	21.5	13.9	15.3	14.9	10.9	23.9	19.8	18.9	16.7	N/A	N/A
Percent of adults who engage in moderate to vigorous physical activity for at least 20-30 minutes at least 3 times a week	35.9	43.4	37.8	35.7	47.4	28.8	35.9	43.5	39.3	N/A	N/A
Percent of adults who are sedentary	43.7	36.7	42.1	43.8	31.1	49.7	44.3	38.9	40.8	N/A	20.0
Percent of adults who smoke cigarettes	24.4	18.1	15.4	20.3	19.2	19.1	17.1	18.4	18.1	17.2	12.0
Percent of teens who smoked cigarettes in the past 30 days (Los Angeles Unified School District high school students only; not available by SPA)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.5	N/A	16.0
Average number of days regular daily activity was limited due to poor physical/mental health in the past 30 days	3.6	2.3	2.1	2.3	2.1	2.6	2.4	2.9	2.4	2.1	N/A
Percent of adults reporting their health to be poor to fair	21.4	15.4	20.1	28.5	14.5	28.2	24.3	19.9	20.9	N/A	N/A
Percent of children ages 0-17 who are perceived by their parents to be in poor to fair health	4.4	10.3	12.1	19.3	12.4	18.3	14.6	12.2	13.6	N/A	N/A



## SOCIAL AND PHYSICAL ENVIRONMENT

### Air quality

	Antelope Valley SPA 1	San Fernando SPA 2	San Gabriel SPA 3	Metro SPA 4	West SPA 5	South SPA 6	East SPA 7	South Bay SPA 8	Los Angeles County	State of California	Healthy People 2010
• Percent of days (per year) not meeting state standards for air quality in 2000 <i>see note 6 regarding value in "state" column</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.2	33.6	N/A
• Percent of children ages 0-5 who are regularly exposed to tobacco smoke at home <sup>7</sup>	11.2	3.9	3.9	3.8	N/A	10.3	7.4	9.9	6.5	N/A	10.0

### Child well-being<sup>8</sup>

• Percent of children ages 0-5 for whom parents report difficulty finding adequate childcare	39.8	43.9	40.8	60.9	46.6	53.9	46.2	38.0	46.2	N/A	N/A
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### Education<sup>9</sup>

• High school graduation rate	40.7	65.9	74.0	49.9	66.7	41.2	62.2	65.2	67.0	N/A	N/A
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### Poverty

• Percent of population with household incomes less than 100% of the federal poverty level	12.1	14.5	15.9	31.0	12.7	37.0	19.0	17.3	20.1	N/A	N/A
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## HEALTH CARE ACCESS

### Immunizations

• Percent of adults 65 or older vaccinated for influenza in the past year	70.4	73.7	68.8	69.0	68.5	54.2	62.3	80.2	69.7	N/A	90.0
• Percent of kindergartners in 2001 who received the recommended vaccinations by their second birthday	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	70.0	71.0	90.0

### Health insurance

• Percent of adults ages 18-64 who are uninsured	20.9	27.7	28.6	43.5	23.1	47.4	33.2	26.6	31.4	22.2	0
• Percent of children ages 0-17 who are uninsured	10.2	16.9	18.8	26.9	17.1	27.7	19.9	18.1	20.3	19.0	0

### Prenatal care<sup>10</sup>

• Percent of live births where mother received late or no prenatal care	16.3	11.0	12.6	15.1	6.4	17.2	14.0	14.7	13.7	16.4	10.0
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### Regular source of care

• Percent of adults with no regular source of medical care	14.3	17.1	16.2	24.2	16.9	25.0	18.6	16.0	18.4	N/A	4.0
• Percent of children with no regular source of medical care	5.8	6.7	5.2	10.0	8.3	15.6	8.3	5.8	8.2	N/A	3.0



## HEALTH OUTCOMES

	Antelope Valley SPA 1	San Fernando SPA 2	San Gabriel SPA 3	Metro SPA 4	West SPA 5	South SPA 6	East SPA 7	South Bay SPA 8	Los Angeles County	State of California	Healthy People 2010
<b>Asthma</b>											
• Percent of children ages 0-17 with asthma <sup>11</sup>	8.2	5.4	6.6	4.6	5.0	5.7	6.7	7.3	6.1	N/A	N/A
• Hospitalization for asthma among children ages 0-14 (admissions in 1997 per 10,000 population) <i>HP 2010 objective for pediatric asthma among persons under 18 years</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27.4	N/A	17.3
<b>Breast cancer</b> <sup>2</sup>											
• Breast cancer deaths (age-adjusted rate per 100,000 population)	29.0	27.4	20.7	16.7	22.0	25.4	21.0	23.7	22.8	24.4	22.3
<b>Cardiovascular disease</b> <sup>2</sup>											
• Coronary heart disease deaths (age-adjusted rate per 100,000 population)	227.1	205.3	190.7	170.3	154.8	251.4	174.7	199.2	193.5	203.9	166.0
<b>Cervical cancer</b> <sup>2</sup>											
• Cervical cancer deaths (age-adjusted rate per 100,000 population)	1.5	2.7	3.4	3.4	2.6	5.8	3.7	2.8	3.3	2.8	2.0
<b>Diabetes</b> <sup>2,17</sup>											
• Diabetes deaths (age-adjusted rate per 100,000 population)	17.8	17.9	18.2	21.8	11.0	36.9	27.0	20.1	20.9	20.5	N/A
<b>Lung cancer</b> <sup>2</sup>											
• Lung cancer deaths (age-adjusted rate per 100,000 population)	51.9	42.2	32.6	28.7	36.1	54.7	35.1	39.5	38.1	46.8	44.9
<b>Infant mortality</b> <sup>12</sup>											
• Infant mortality (rate per 1,000 live births)	5.0	5.0	4.9	5.3	5.9	6.7	4.6	5.8	5.4	5.4	4.5
• African-American infant mortality (rate per 1,000 live births)	11.0	12.1	12.2	12.7	3.7	10.1	8.9	9.2	10.5	12.9	4.5
<b>Low birth weight</b> <sup>13</sup>											
• Percent of low birth weight births	7.8	6.2	6.1	6.4	6.7	7.9	5.9	6.8	6.6	6.1	5.0
• Percent of low birth weight African-American births	12.6	8.3	11.7	12.9	10.7	13.9	9.8	12.5	12.5	11.8	5.0
<b>Births to teens</b> <sup>14</sup>											
• Births to teens ages 15-19 (rate per 1,000 live births)	52.0	40.7	43.1	51.2	19.9	82.6	57.2	51.3	53.0	50.2	N/A
<b>AIDS</b>											
• Incidence of AIDS (new cases reported in 2000 per 100,000 population)	5.0	9.0	6.0	31.0	7.0	18.0	7.0	15.0	13.0	11.0	1.0
<b>Sexually transmitted diseases</b>											
• Incidence of primary and secondary syphilis (rate per 100,000 population)	0.3	0.3	0.4	1.8	0.4	2.9	0.5	0.8	0.9	0.9	0.2



## HEALTH OUTCOMES CONT.

### Tuberculosis <sup>15</sup>

• Incidence of Tuberculosis (new cases reported in 2000 per 100,000 population)

### Homicide

• Homicide among adolescents and young adults ages 15-34  
(rate per 100,000 population)

### Suicide

• Suicide among adults 55 and older (rate per 100,000 population)

### Unintentional injury

• Deaths attributed to motor vehicle crashes <sup>16</sup>  
(age-adjusted rate per 100,000 population)

• Unintentional injury deaths among children ages 0-17  
(rate per 100,000 population)

	Antelope Valley SPA 1	San Fernando SPA 2	San Gabriel SPA 3	Metro SPA 4	West SPA 5	South SPA 6	East SPA 7	South Bay SPA 8	Los Angeles County	State of California	Healthy People 2010
• Incidence of Tuberculosis (new cases reported in 2000 per 100,000 population)	3.3	8.3	11.1	20.9	6.7	15.4	9.4	10.1	11.5	9.5	1.0
• Homicide among adolescents and young adults ages 15-34 (rate per 100,000 population)	6.0	11.0	9.2	15.2	7.3	56.0	18.6	19.5	18.3	12.3	3.0
• Suicide among adults 55 and older (rate per 100,000 population)	18.6	14.6	11.0	13.1	16.5	5.0	8.5	9.7	11.6	15.3	5.0
• Deaths attributed to motor vehicle crashes <sup>16</sup> (age-adjusted rate per 100,000 population)	15.0	7.3	4.6	5.3	4.2	8.5	5.9	5.5	6.1	9.1	9.2
• Unintentional injury deaths among children ages 0-17 (rate per 100,000 population)	12.8	5.7	4.9	3.8	5.1	6.2	3.4	2.3	4.7	7.8	N/A

**NOTE: All data are for 1999 except where noted.**

*The above indicators were selected from one or more of the following:*

*Healthy People 2010 (including Leading Health Indicators, Health Determinants and Health Outcomes, Life Course Determinants and Prevention Oriented)*

*Healthy People 2000—Consensus Health Indicators*

*Outcomes Toolkit*

*Improving Health in the Community (IOM)*

*Community Health Status Indicators Project (ASTHO, NACCHO, PHF, HRSA)*

## NOTES TO KEY INDICATORS

**1 Alcohol use:** Binge drinking is defined as consuming five or more alcoholic drinks on at least one occasion.

**2 Cautionary note:** Death rates presented are age-adjusted to the 2000 U.S. Projected Population using age-specific rates. SPA and county age-specific rates were calculated using 1999 Population Estimation and Projection System data provided by the Chief Administrative Office of Los Angeles County (Urban Research Division). Age-specific rates for California were calculated using the 1999 Department of Finance data.

**3 Obesity:** Weight status is determined based on Body Mass Index (BMI) and is calculated using the respondent's weight and height. According to NHLBI clinical guidelines, a BMI < 18.5 is underweight, a BMI > 18.5 and < 24.9 is normal weight, a BMI > 25 and < 29.9 is mild or moderately overweight, and a BMI > 30 is severely overweight.

**4 Physical activity:** Those who meet the physical activity criteria engage in vigorous activity for at least 20 minutes on at least 3 days per week or moderate activity for at least 30 minutes on most days.

**5 Tobacco use:** Cigarette smokers include those respondents who made any mention of cigarette use with or without use of other tobacco products.

**6 Environmental air quality:** South Coast Air Basin which encompasses San Bernardino, Orange, Los Angeles and Riverside Counties, is used for "state" value.

**7 Exposure to tobacco smoke:** Determined by a child living with a parent who responded that they were around people who smoke in their home. The corresponding Healthy People 2010 Objective is quantified for children under 6.

**8 Child well-being:** This does not include the 15.3% of parents who responded that they did not need childcare.

**9 High school graduation rate:** The number of twelfth-grade graduates who received a diploma in the school year indicated, or the summer following that year. It does not include students graduating on the basis of the California High School Proficiency Examination, from programs administered by a community college, from adult education programs or receiving a General Education Development certificate (GED).

**10 Prenatal care:** Late care is defined as care received starting in the second or third trimester. The mother's residential census tracts were used to allocate live births to corresponding SPA.

**11 Asthma:** Current prevalence of asthma among children reflects those children who have been diagnosed by a provider as having asthma and who have had an asthma episode/attack within the last 12 months.

**12 Infant mortality:** Infant deaths are deaths at less than 365 days of age. Infant mortality rate is defined as infant deaths per 1,000 live births. The mother's residential zip codes were used to allocate live births to corresponding SPA (using zip codes published in April 1999). Published statistics based on other correspondence tables may vary when compared.

**13 Low birth weight:** Low birth weight is defined as births less than 2,500 grams or approximately 5.5 lbs at birth. Percent of low birth weight is defined as the number of LBW births per 100 live births. The mother's residential zip codes were used to allocate live births to corresponding SPA (using zip codes published in 1999). Published statistics based on other correspondence tables may vary when compared.

**14 Births to teens:** Teen birth rate is the number of live births per 1,000 estimated female population between the ages of 15 and 19. The mother's residential census tracts were used to allocate live births to corresponding SPA.

**15 Tuberculosis:** Data exclude Pasadena and Long Beach cases.

**16 Motor vehicle crash deaths:** Standardized to the 2000 U.S. Projected Population by the Office of Health Assessment and Epidemiology.

**17 Diabetes:** Healthy People 2010 objective for Diabetes deaths is not comparable to local and state data.

## DATA SOURCES

### LOCAL

*Los Angeles County Department of Health Services, Office of Health Assessment and Epidemiology, Health Assessment Unit, 1999-2000 Los Angeles County Health Survey*

- Overweight & obesity (3), Physical activity (4), Nutrition, Tobacco use (5), Alcohol use (1), Child well-being (8), Exposure to tobacco smoke (7), Activity limitation, Perceived health (adults & children), Adult immunizations, Health insurance, Regular source of medical care (adults & children), Asthma (11)

*South Coast Air Quality Management District*

- Environmental air quality (6)

*Los Angeles County Department of Health Services, Office of Health Assessment and Epidemiology, Data Collection and Analysis Unit*

- Poverty, Breast cancer (2), Lung cancer (2), Cervical cancer (2), Cardiovascular disease (2), Diabetes (2), Drug-induced death (2), Prenatal care (10), Births to teens (14)

*Los Angeles County Department of Health Services, Maternal, Child and Adolescent Health Program*

- High school graduation rate (9), Low birth weight (13), Infant mortality (12)

*Los Angeles County Department of Health Services, Immunization Program*

- Immunizations

*UCLA Center for Health Care Policy Research, Hospital Admissions for Ambulatory Care Sensitive Conditions in L.A. County: 1996-1997*

- Asthma hospitalization

*Los Angeles County Department of Health Services, HIV Epidemiology Program*

- AIDS

*Los Angeles County Department of Health Services, Tuberculosis Control Program*

- Tuberculosis (15)

*Los Angeles County Department of Health Services, Sexually Transmitted Disease Program*

- Sexually transmitted diseases

*Los Angeles County, Chief Administrative Office, Urban Research Division, Population for Los Angeles County & SPAs: 1999 Population Estimation and Projection Systems (PEPS) Trend Analysis Series*

- Poverty, Breast cancer (2), Lung cancer (2), Cervical cancer (2), Cardiovascular disease (2), Diabetes (2), Drug-induced death (2)

*Los Angeles County Department of Health Services, Injury and Violence Prevention Program*

- Homicide, Unintentional injury, Suicide, Motor vehicle crash deaths (16)

*National Center for Chronic Disease Prevention and Health Promotion, Youth Risk Behavior Survey 2001*

- Teen alcohol use, Teen smoking

### STATE/FEDERAL

*State-Specific Prevalence of Current Cigarette Smoking Among Adults, and Policies and Attitudes About Secondhand Smoke—United States, 2000. MMWR, 50(49): 1101-1106, 2001*

- Tobacco use

*California Department of Health Services, Center for Health Statistics. Mortality: 1999 Death Statistical Master File*

- Breast cancer (2), Lung cancer (2), Cervical cancer (2), Cardiovascular disease (2), Drug-induced death (2)

*National Center for Chronic Disease Prevention, Behavioral Risk Factor Surveillance System (BRFSS), 1999 BRFSS Summary Prevalence Report.*

- Health insurance

*California Department of Health Services, Center for Health Statistics Births: Advance Report: California Vital Statistics, 1999*

- Prenatal care (10)

*National Center for Chronic Disease Prevention & Health Promotion, Behavioral Risk Factor Surveillance System, California, 1999*

- Activity limitation

*California Department of Health Services, AIDS Case Registry, Office of AIDS*

- AIDS

*California Department of Health Services, Division of Communicable Disease Control, Tuberculosis Control Branch, Report on Tuberculosis in California, 2000*

- Tuberculosis

*California Department of Health Services California figures from Table 5-10, Vital Statistics Data Tables (Office of Vital Records, website)*

- Diabetes (2)

*Population for California: Race/Ethnic Population with Age & Sex Detail, 1970-2040. State Department of Finance, December 1998*

- Breast cancer (2), Lung cancer (2), Cervical cancer (2), Cardiovascular disease (2), Drug-induced death (2)

*California Department of Health Services, Injury Surveillance and Epidemiology Section*

- Homicide, Unintentional injury, Suicide, Motor vehicle crash deaths (16)



## Service Planning Area (SPA) Boundaries

- SPA 1** *Antelope Valley*
- SPA 2** *San Fernando*
- SPA 3** *San Gabriel*
- SPA 4** *Metro*
- SPA 5** *West*
- SPA 6** *South*
- SPA 7** *East*
- SPA 8** *South Bay* (includes Catalina Island)

