

Reducing Alcohol-Related Harms in Los Angeles County

A Cities and Communities Health Report

Excessive alcohol consumption costs
LA County 2,500 lives and \$10.8 billion
each year.

Alcohol misuse and abuse is not only
treatable, but preventable!

How communities can take action:

- Stop alcohol sales to minors
- Reduce youth exposure to alcohol advertising
- Limit the density of alcohol outlets
- Increase youth awareness of the hazards of alcohol

Message from the Health Officer

As the second-leading cause of premature death and disability in Los Angeles County,¹ excessive alcohol consumption continues to be a serious public health concern. Each year 2,500 people in the county die from alcohol-related causes, with the loss of approximately 78,000 years of potential life. In addition to the devastating personal and societal effects of alcohol abuse on individuals, families, and communities, excessive alcohol consumption costs Los Angeles County an estimated \$10.8 billion annually, or roughly \$1,000 for every resident.²



More than half of adults in Los Angeles County report drinking alcohol in the past month. When used in moderation, alcohol use may have modest health benefits. However, excessive alcohol consumption, which includes binge drinking³ and heavy drinking,⁴ leads to serious medical illnesses, impaired mental health, increased motor vehicle crashes, increased rates of violent crime, and a multitude of other harmful social consequences on family interactions, work productivity, and school performance.

An estimated 16.2% (or 1,190,000) of county adults are binge drinkers (Figure 1) and an additional 3.3% (or 242,000) are heavy drinkers (Figure 2). Both binge drinking and heavy drinking are more common among males and young adults; heavy drinking is also more common among whites and those of higher socioeconomic status.⁵ The high rates of binge drinking among teens and young adults are a particular cause for concern, as close to 1 in 5 high school students in Los Angeles reported at least one episode of binge drinking in the past month.

A high density of alcohol outlets increases alcohol consumption,⁶ motor vehicle crashes,⁷ alcohol-related hospital admissions,⁸ injury deaths,⁹ assaults and violent crime,¹⁰ suicides,⁷ drinking and driving,^{11,12} child maltreatment,¹³ and neighborhood disturbances.¹⁴ In this report, we examined the relationship between the density of alcohol outlets and three alcohol-related harms in 117 cities and communities across Los Angeles County and found similar results; increased rates of violent crime, alcohol-involved motor vehicle crashes, and alcohol-related deaths were all associated with having a high density of alcohol outlets in that city or community.

Limiting the density of alcohol outlets is one effective approach to reducing excessive alcohol consumption and alcohol-related harms.¹⁵ To assist communities in designing strategies and in policy making efforts to prevent alcohol-related harms, this report provides a profile of alcohol outlet density and alcohol-related consequences by city and community. We hope the information provided will help support and strengthen efforts to prevent alcohol-related diseases and injuries throughout the county.

A handwritten signature in dark ink that reads "Jonathan E. Fielding". The signature is written in a cursive, flowing style.

Jonathan E. Fielding, MD, MPH
Director of Public Health and Health Officer

Figure 1. Percent of Adults Who Reported Binge Drinking in the Past Month, by Age Group, 2007
 Binge drinking for females is drinking 4 or more drinks, and for males 5 or more drinks, on one occasion at least one time in the past month. *Source: 2007 Los Angeles County Health Survey*

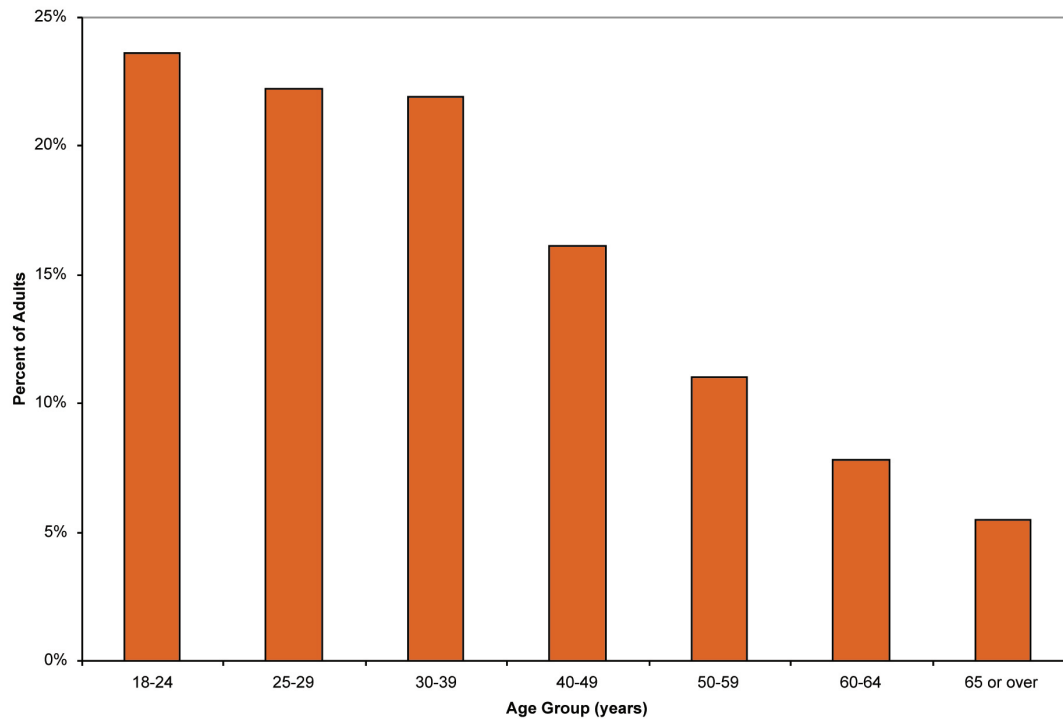
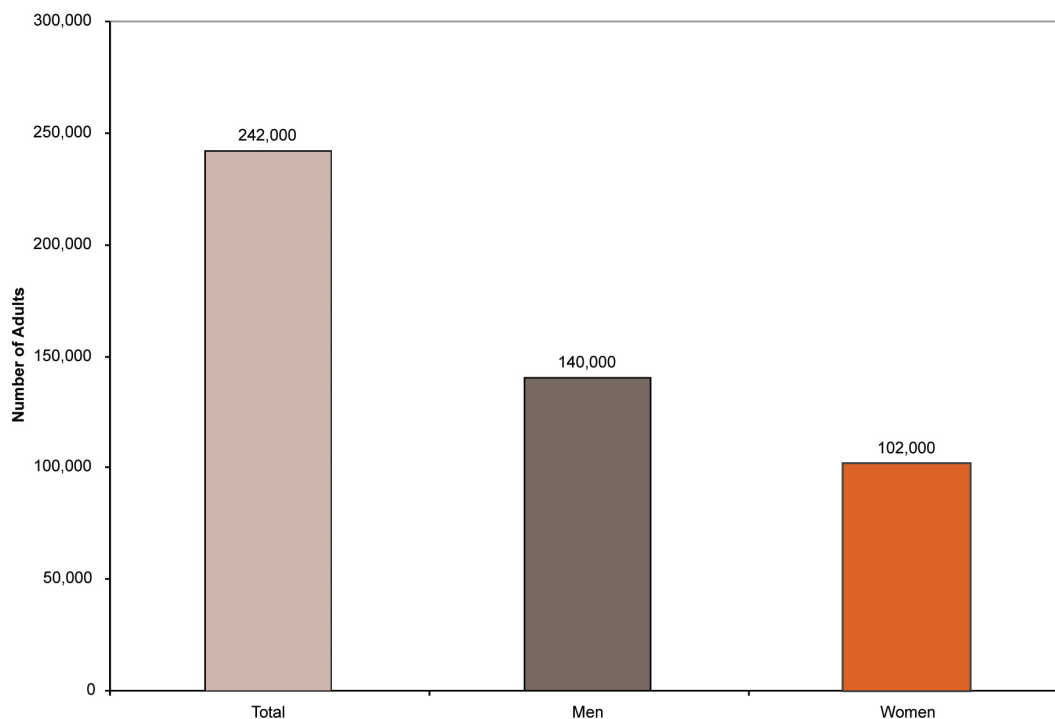


Figure 2. Number of Adults Who Reported Heavy Drinking in the Past Month, by Gender, 2007
 Heavy drinking for males is consuming more than 60 drinks, and for females more than 30 drinks, in the past month. *Source: 2007 Los Angeles County Health Survey*



Study Methods

Defining Cities and Communities within Los Angeles County

Cities and communities (unincorporated areas) in Los Angeles County were defined using the Census 2000 Incorporated Places and Census Designated Places. The city of Los Angeles was further divided into its 15 city council districts to provide more local information.¹⁶

The 2007 population estimates for Los Angeles County¹⁷ were used to determine density and those at risk for alcohol-related harms. Cities and communities with less than 10,000 residents are excluded from this report because estimates for these areas are unreliable. For each of the remaining 117 cities and communities, the density of alcohol outlets and the rates of several alcohol-related harms were examined.

Determining Alcohol Outlet Density

Information on alcohol outlets within Los Angeles County was obtained from the California Department of Alcoholic Beverage Control (ABC).¹⁸ ABC categorizes alcohol outlets as:

- *on-premises* – outlets where alcohol is served to be consumed on site, e.g. bars and restaurants.
- *off-premises* – outlets where alcohol is sold to be consumed off site, e.g. liquor stores and grocery stores.¹⁹

A total of 16,039 alcohol outlets in LA County were identified and included in the analysis. The densities (number of outlets per 10,000 residents) of on-premises and off-premises alcohol outlets were calculated separately, and categorized into tertiles of “low,” “medium,” or “high” density.

Measuring Alcohol-Related Harms

In this report, three alcohol-related harms were examined: alcohol-involved motor vehicle crashes,²⁰ violent crimes,²¹ and alcohol-related deaths.²² These three harms were analyzed because city/community-level data were available and because they have been found in other studies to be related to alcohol outlet density.

Data Analysis

As the intent of this report was to explore the potential impact of the density of alcohol outlets on cities and communities, all data were aggregated at the city and community level. The density of on-premises and off-premises alcohol outlets and the rates of alcohol-related harms (motor vehicle crashes, violent crime, and deaths) were calculated for each city/community. Each city/community was then ranked relative to others in Los Angeles County, where a low ranking indicates fewer alcohol outlets per resident and a high ranking indicates more alcohol outlets per resident. While the relative rankings are listed, alcohol outlet density was also categorized into three groups (low/medium/high) by tertile, and alcohol-related harms were categorized into four groups (lowest/low/high/highest) by quartile, to allow for more stable and easily interpretable comparisons.

Logistic regression modeling was performed to examine the associations between alcohol outlet density and alcohol-related harms, adjusting for economic hardship to account for neighborhood socioeconomic conditions. Details regarding the economic hardship index have been published elsewhere.²³ No adjustments were made for other neighborhood characteristics; e.g., population density, neighborhood diversity, or urban versus rural.

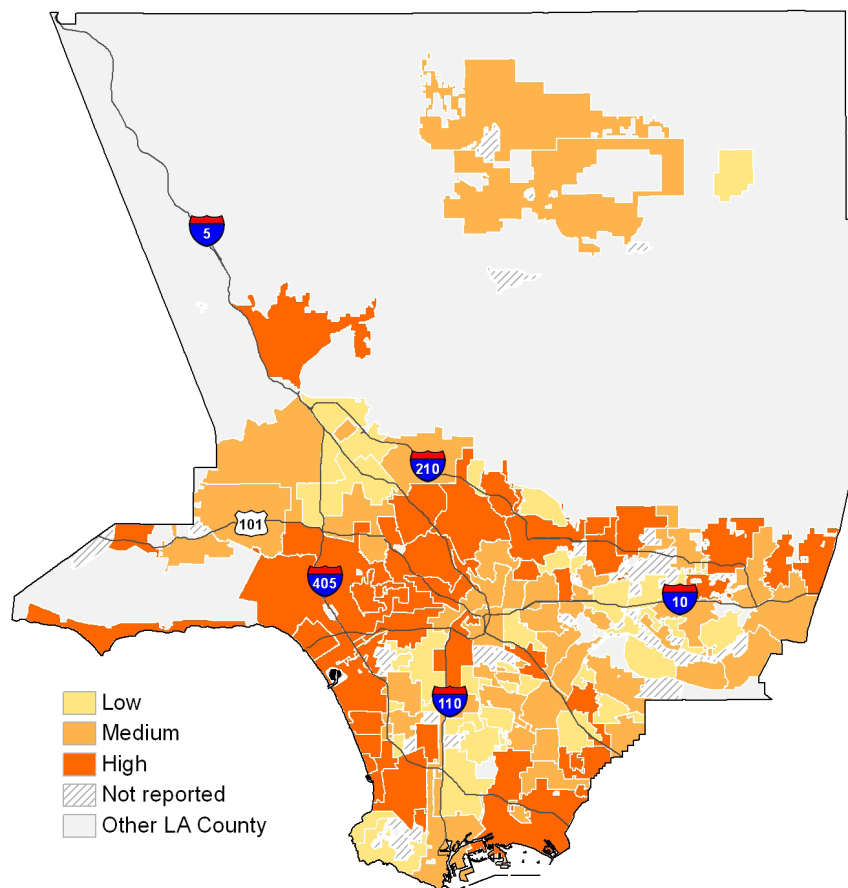
Findings

Alcohol Outlet Density

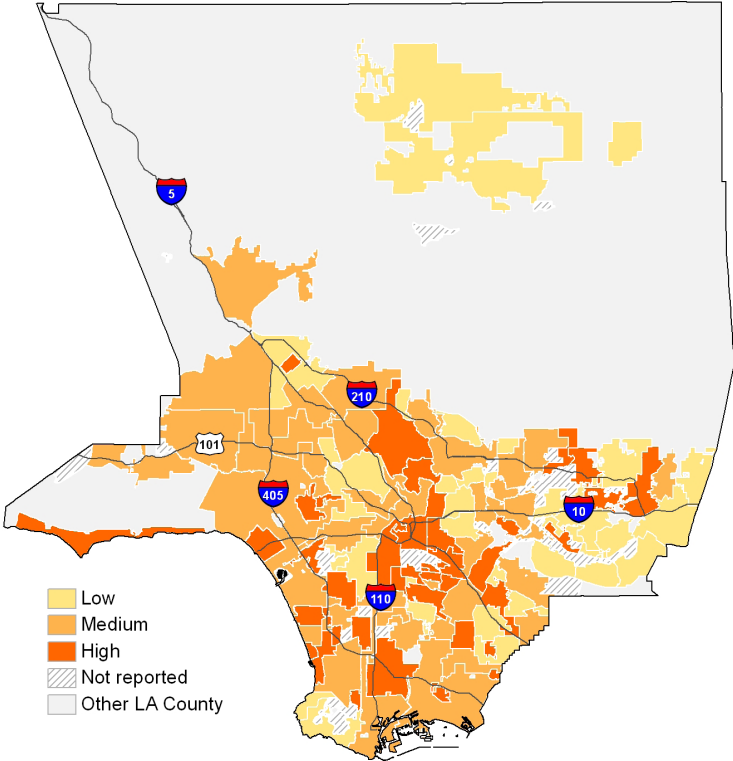
In Los Angeles County, there is an average of 16 alcohol outlets (on- and off-premises combined) per 10,000 people and about four alcohol outlets per square mile. This is slightly lower than the statewide average for California of 18 outlets per 10,000 people. However, outlet density varies widely among cities and communities across the county, ranging from 0 to 47.3 (West Hollywood) on-premises alcohol outlets, and 0 to 23.8 (Commerce) off-premises alcohol outlets per 10,000 residents. *Table 1* presents the density of on-premises and off-premises alcohol outlets for each city and community.

The geographic distribution of on- and off-premises outlets differs (Maps 1 and 2). There is a higher density of *on*-premises outlets in affluent communities, including the Beach Cities, West Hollywood, and some Foothill communities (Map 1, $p < 0.001$). On the other hand, a higher density of *off*-premises outlets was only weakly associated with less affluent communities (Map 2, $p = 0.076$), with higher density seen in some central and south Los Angeles communities, as well as the cities of Commerce, Malibu, and Sante Fe Springs.

Map 1. On-Premises Alcohol Outlet Density among Los Angeles County Cities and Communities, 2009



Map 2. Off-Premises Alcohol Outlet Density among Los Angeles County Cities and Communities, 2009



Association Between Alcohol Outlet Density and Alcohol-Related Harms

Using logistic regression to adjust for community-level economic hardship, we found that having a high density of either on-premises or off-premises outlets was associated with significantly higher rates of alcohol-related harms.

Violent Crime

Communities with a high density* of either **On- or Off-Premises** outlets were...

- **9 to 10 times more likely to have increased rates of violent crime (p<0.01)**
- While rates of Violent Crime were generally lower in areas of low economic hardship (i.e. more affluent areas), areas with higher *on-* or *off-*premises outlet density were much more likely to have increased rates of violent crime, when comparing communities with similar levels of economic hardship.

Alcohol-involved Motor Vehicle Crashes

Communities with a high density of **On-Premises** alcohol outlets were...

- **4 times more likely to have increased rates of alcohol-involved crashes (p=0.008)**

Alcohol-related Deaths

Communities with a high density of **Off-Premises** alcohol outlets were...

- **5 times more likely to have increased rates of alcohol-related deaths (p=0.004)**

* compared to low density

The rates of violent crimes, alcohol-involved motor vehicle crashes, and alcohol-related deaths for each city and community are presented in *Table 2*.

Table 1. On-Premises and Off-Premises Alcohol Outlet Density, by City and Community, Los Angeles County, 2009^{18,19}

City/Community Name	On-Premises AOD	Rank/Tertile		Off-Premises AOD	Rank/Tertile	
Los Angeles County	8.9	—	—	6.7	—	—
Agoura Hills	15.5	101	High	6.9	62	High
Alhambra	8.1	71	High	4.6	22	Low
Altadena	1.6	9	Low	4.6	22	Low
Arcadia	13.5	95	High	7.1	70	High
Artesia	23.1	111	High	8.4	91	High
Avocado Heights	4.0	28	Low	6.2	53	High
Azusa	8.9	75	High	9.3	101	High
Baldwin Park	3.7	25	Low	5.6	38	Low
Bell	5.4	44	High	8.5	93	High
Bell Gardens	3.5	23	Low	9.9	105	High
Bellflower	5.6	47	High	7.7	81	High
Beverly Hills	41.4	116	High	10.3	107	High
Burbank	13.6	96	High	7.3	72	High
Calabasas	8.4	73	High	6.7	59	High
Carson	4.3	33	Low	8.3	88	High
Cerritos	12.4	94	High	5.3	33	Low
Citrus	0.0	1	Low	0.8	3	Low
Claremont	11.9	91	High	3.5	13	Low
Commerce	10.4	85	High	23.8	117	High
Compton	1.5	7	Low	6.4	55	High
Covina	9.9	82	High	8.3	88	High
Cudahy	2.7	18	Low	6.6	57	High
Culver City	20.6	109	High	11.3	109	High
Del Aire	8.9	75	High	8.9	99	High
Diamond Bar	6.8	56	High	4.5	21	Low
Downey	8.8	74	High	5.9	46	High
Duarte	6.9	62	High	9.1	100	High
East Compton	0.8	5	Low	4.1	18	Low
East La Mirada	2.0	13	Low	3.0	7	Low
East Los Angeles	4.2	32	Low	8.0	83	High
East San Gabriel	1.9	12	Low	3.1	9	Low
El Monte	4.5	36	Low	6.8	60	High
El Segundo	38.7	115	High	12.3	112	High
Florence-Graham	3.2	21	Low	8.3	88	High
Gardena	15.8	102	High	8.4	91	High
Glendale	9.2	79	High	8.2	86	High
Glendora	9.9	82	High	4.8	26	Low
Hacienda Heights	4.6	38	Low	3.9	17	Low
Hawaiian Gardens	11.9	91	High	11.9	111	High
Hawthorne	5.1	41	High	6.2	53	High
Hermosa Beach	38.6	114	High	11.3	109	High
Huntington Park	6.8	56	High	9.7	104	High
Inglewood	5.5	45	High	8.7	96	High
La Canada Flintridge	10.4	85	High	5.7	40	High
La Crescenta-Montrose	2.2	14	Low	3.3	10	Low
La Mirada	7.7	66	High	6.6	57	High
La Puente	5.6	47	High	8.1	84	High
La Verne	10.8	89	High	5.7	40	High
Lake Los Angeles	2.5	16	Low	4.2	19	Low
Lakewood	6.6	54	High	7.0	67	High
Lancaster	7.8	67	High	5.4	35	Low
Lawndale	4.5	36	Low	8.7	96	High
Lennox	1.5	7	Low	5.8	42	High
Lomita	17.1	106	High	7.6	79	High
Long Beach	10.7	88	High	7.0	67	High
Los Angeles, All Districts	8.7	—	—	6.5	—	—
LA City Council District 01	6.3	50	High	7.3	72	High
LA City Council District 02	6.8	56	High	7.3	72	High
LA City Council District 03	9.1	78	High	6.1	50	High
LA City Council District 04	14.3	99	High	5.4	35	Low

City/Community Name	On-Premises AOD	Rank/Tertile		Off-Premises AOD	Rank/Tertile	
LA City Council District 05	18.5	108	High	5.8	42	High
LA City Council District 06	4.1	31	Low	6.5	56	High
LA City Council District 07	2.8	19	Low	4.7	24	Low
LA City Council District 08	1.7	10	Low	4.9	30	High
LA City Council District 09	10.4	85	High	8.5	93	High
LA City Council District 10	10.3	84	High	5.9	46	High
LA City Council District 11	14.5	100	High	7.0	67	High
LA City Council District 12	7.1	63	High	6.1	50	High
LA City Council District 13	12.1	93	High	6.9	62	High
LA City Council District 14	5.9	49	High	8.2	86	High
LA City Council District 15	6.5	52	High	7.2	71	High
Lynwood	3.4	22	Low	5.3	33	Low
Malibu	27.0	113	High	12.4	113	High
Manhattan Beach	22.5	110	High	7.4	77	High
Maywood	4.7	39	Low	10.1	106	High
Monrovia	14.0	98	High	6.9	62	High
Montebello	6.7	55	High	6.9	62	High
Monterey Park	7.9	68	High	5.0	31	Low
Norwalk	4.3	33	Low	5.4	35	Low
Palmdale	6.8	56	High	3.6	15	Low
Palos Verdes Estates	3.6	24	Low	4.3	20	Low
Paramount	5.5	45	High	7.3	72	High
Pasadena	16.6	104	High	5.9	46	High
Pico Rivera	6.3	50	High	8.1	84	High
Pomona	6.5	52	High	5.6	38	Low
Rancho Palos Verdes	4.0	28	Low	3.5	13	Low
Redondo Beach	18.0	107	High	8.6	95	High
Rosemead	6.8	56	High	5.8	42	High
Rowland Heights	8.0	69	High	3.0	7	Low
San Dimas	8.1	71	High	7.6	79	High
San Fernando	6.8	56	High	9.5	103	High
San Gabriel	16.9	105	High	7.3	72	High
San Marino	3.7	25	Low	0.7	2	Low
Santa Clarita	9.8	81	High	6.9	62	High
Santa Fe Springs	16.3	103	High	23.6	116	High
Santa Monica	25.5	112	High	8.7	96	High
Sierra Madre	10.9	90	High	3.6	15	Low
Signal Hill	8.0	69	High	12.5	114	High
South El Monte	7.1	63	High	13.4	115	High
South Gate	4.7	40	High	7.9	82	High
South Pasadena	9.7	80	High	4.7	24	Low
South San Jose Hills	0.4	4	Low	1.7	4	Low
South Whittier	2.5	16	Low	4.8	26	Low
Temple City	5.3	42	High	5.9	46	High
Torrance	13.6	96	High	7.5	78	High
Valinda	1.8	11	Low	3.3	10	Low
View Park-Windsor Hills	3.9	27	Low	4.8	26	Low
Vincent	2.2	14	Low	2.2	5	Low
Walnut	4.0	28	Low	2.8	6	Low
Walnut Park	4.3	33	Low	4.8	26	Low
West Carson	5.3	42	High	9.3	101	High
West Covina	7.2	65	High	5.1	32	Low
West Hollywood	47.3	117	High	11.0	108	High
West Puente Valley	0.0	1	Low	0.0	1	Low
West Whittier-Los Nietos	2.8	19	Low	3.4	12	Low
Westmont	0.0	1	Low	6.1	50	High
Whittier	9.0	77	High	6.8	60	High
Willowbrook	0.8	5	Low	5.8	42	High

Low
 Medium
 High
 Excludes cities/communities with populations less than 10,000;
 AOD = Alcohol Outlet Density/10,000 population

Table 2. Alcohol-Related Harms, by City and Community, Los Angeles County²⁰⁻²²

City/Community Name	Violent Crime Rate (/1,000)	Rank/Quartile		Motor Vehicle Crash Rate (/10,000)	Rank/Quartile		Alcohol-Related Death Rate (/100,000)	Rank/Quartile	
Los Angeles County	6.1	—	—	12.8	—	—	8.9	—	—
Agoura Hills	1.9	15		12.9	86		3.2	6	
Alhambra	3.2	37		7.8	29		6.3	27	
Altadena	4.1	57		7.5	26		5.8	22	
Arcadia	2.6	30		10.2	56		6.2	25	
Artesia	4.7	68		8.4	35		9.8	69	
Avocado Heights	3.2	37		18.5	113		10.6	85	
Azusa	4.1	57		14.9	100		11.6	99	
Baldwin Park	3.6	45		13.0	88		10.0	71	
Bell	4.5	63		15.2	104		8.0	40	
Bell Gardens	5.4	76		5.6	10		8.6	48	
Bellflower	6.4	86		9.3	41		11.4	95	
Beverly Hills	3.9	53		8.0	33		2.1	5	
Burbank	2.4	27		11.5	71		8.1	43	
Calabasas	0.8	2		9.0	38		4.2	9	
Carson	6.8	90		10.8	64		7.9	39	
Cerritos	2.7	32		15.2	103		3.2	6	
Citrus	3.0	34		7.8	32		7.8	38	
Claremont	2.2	21		11.3	67		9.1	58	
Commerce	10.1	110		50.2	117		15.8	116	
Compton	16.8	115		9.7	47		10.8	88	
Covina	3.6	45		6.9	22		9.3	62	
Cudahy	5.4	76		6.3	15		5.3	15	
Culver City	4.3	61		13.7	94		8.6	48	
Del Aire	3.5	42		7.3	24		11.1	94	
Diamond Bar	1.8	13		12.7	82		4.6	12	
Downey	4.2	59		15.4	105		9.0	56	
Duarte	4.0	55		5.2	8		9.2	60	
East Compton	14.5	112		10.1	54		7.2	35	
East La Mirada	2.2	21		4.6	7		14.8	112	
East Los Angeles	7.3	98		14.2	98		15.2	115	
East San Gabriel	1.5	9		2.5	1		6.2	25	
El Monte	5.6	79		11.7	75		9.2	60	
El Segundo	2.1	19		17.6	111		10.3	77	
Florence-Graham	12.2	111		10.3	59		10.9	90	
Gardena	7.1	95		15.9	106		8.5	47	
Glendale	1.8	13		9.8	51		7.0	33	
Glendora	1.4	7		11.6	72		10.7	87	
Hacienda Heights	2.3	23		10.9	65		5.7	21	
Hawaiian Gardens	9.1	108		7.5	27		13.4	110	
Hawthorne	8.0	102		13.2	90		9.4	63	
Hermosa Beach	3.5	42		12.5	80		5.2	14	
Huntington Park	8.8	106		15.0	102		10.4	79	
Inglewood	8.6	103		7.8	30		10.8	88	
La Canada Flintridge	1.0	4		6.6	17		5.3	15	
La Crescenta-Montrose	1.9	15		8.2	34		6.8	31	
La Mirada	2.4	27		10.7	61		8.1	43	
La Puente	5.8	81		9.6	43		10.4	79	
La Verne	2.0	18		8.9	37		7.1	34	
Lake Los Angeles	5.9	83		7.8	31		11.5	98	
Lakewood	4.9	70		6.4	16		6.4	28	

Lowest (1st to 29th) Low (30th to 58th) High (59th to 88th) Highest (89th to 117th)

Excludes cities/communities with populations less than 10,000

Table 2. Alcohol-Related Harms, by City and Community, Los Angeles County²⁰⁻²²

City/Community Name	Violent Crime Rate (/1,000)	Rank/Quartile		Motor Vehicle Crash Rate (/10,000)	Rank/Quartile		Alcohol-Related Death Rate (/100,000)	Rank/Quartile	
Lancaster	8.8	106		9.8	50		10.4	79	
Lawndale	6.7	88		11.6	74		10.1	76	
Lennox	6.5	87		11.6	73		10.9	90	
Lomita	5.3	73		5.7	11		9.5	65	
Long Beach	6.8	90		13.8	96		9.4	63	
Los Angeles, All Districts	6.5	—	—	11.6	—	—	9.4	—	—
LA City Council District 01	6.8	90		14.6	99		12.1	103	
LA City Council District 02	4.9	70		12.9	87		9.0	56	
LA City Council District 03	1.7	12		10.5	60		7.5	37	
LA City Council District 04	4.6	67		13.3	91		6.5	29	
LA City Council District 05	2.9	33		10.0	52		4.3	11	
LA City Council District 06	4.5	63		12.8	85		9.7	68	
LA City Council District 07	3.1	35		9.4	42		10.9	90	
LA City Council District 08	15.3	113		11.1	66		10.5	82	
LA City Council District 09	17.0	116		15.0	101		12.7	107	
LA City Council District 10	6.8	90		12.0	76		8.4	46	
LA City Council District 11	3.9	53		9.7	49		8.1	43	
LA City Council District 12	2.6	30		10.1	55		6.9	32	
LA City Council District 13	7.1	95		11.5	70		9.9	70	
LA City Council District 14	6.9	94		10.8	63		12.4	104	
LA City Council District 15	8.6	103		10.2	58		11.4	95	
Lynwood	9.5	109		9.7	48		10.3	77	
Malibu	1.9	15		25.0	114		5.5	17	
Manhattan Beach	1.4	7		11.4	68		5.5	17	
Maywood	5.7	80		6.7	18		8.8	51	
Monrovia	3.3	41		12.6	81		11.8	101	
Montebello	3.7	50		11.4	69		13.9	111	
Monterey Park	2.5	29		9.1	40		5.6	20	
Norwalk	5.1	72		12.8	84		10.6	85	
Palmdale	6.7	88		10.2	57		8.0	40	
Palos Verdes Estates	0.3	1		5.5	9		1.8	2	
Paramount	7.3	98		9.7	46		8.6	48	
Pasadena	4.5	63		13.7	93		4.2	9	
Pico Rivera	4.0	55		6.8	19		12.5	105	
Pomona	7.5	101		17.1	109		8.8	51	
Rancho Palos Verdes	0.9	3		3.7	4		5.8	22	
Redondo Beach	3.1	35		16.7	108		8.9	53	
Rosemead	4.2	59		7.3	23		9.6	67	
Rowland Heights	3.2	37		6.2	14		1.6	1	
San Dimas	2.3	23		10.1	53		9.5	65	
San Fernando	4.8	69		13.8	95		16.9	117	
San Gabriel	4.5	63		12.0	77		10.0	71	
San Marino	1.0	4		8.7	36		1.9	3	
Santa Clarita	2.3	23		6.8	21		5.8	22	
Santa Fe Springs	7.2	97		45.8	116		13.3	109	
Santa Monica	6.3	85		18.1	112		10.0	71	
Sierra Madre	1.1	6		3.0	2		9.1	58	
Signal Hill	5.8	81		17.6	110		10.0	71	
South El Monte	6.0	84		7.6	28		15.1	114	
South Gate	5.5	78		13.2	89		11.8	101	
South Pasadena	1.5	9		10.7	62		3.9	8	

Lowest (1st to 29th) Low (30th to 58th) High (59th to 88th) Highest (89th to 117th)

Excludes cities/communities with populations less than 10,000

continued from page 9

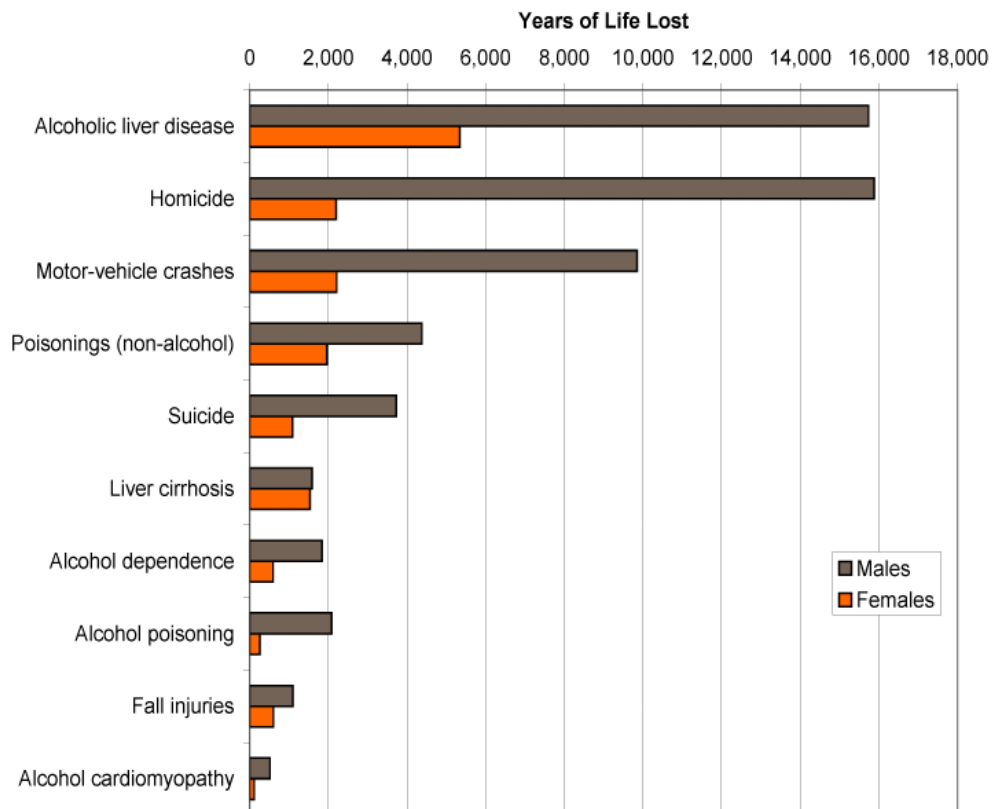
Table 2. Alcohol-Related Harms, by City and Community, Los Angeles County²⁰⁻²²

City/Community Name	Violent Crime Rate (/1,000)	Rank/Quartile		Motor Vehicle Crash Rate (/10,000)	Rank/Quartile		Alcohol-Related Death Rate (/100,000)	Rank/Quartile	
South San Jose Hills	4.3	61	High (59th to 88th)	7.4	25	Lowest (1st to 29th)	11.4	95	High (59th to 88th)
South Whittier	3.6	45	Low (30th to 58th)	9.1	39	Low (30th to 58th)	12.7	107	High (59th to 88th)
Temple City	2.1	19	Lowest (1st to 29th)	3.2	3	Lowest (1st to 29th)	6.7	30	Low (30th to 58th)
Torrance	2.3	23	Lowest (1st to 29th)	3.8	5	Lowest (1st to 29th)	7.3	36	Low (30th to 58th)
Valinda	3.5	42	Low (30th to 58th)	6.1	12	Lowest (1st to 29th)	5.5	17	Low (30th to 58th)
View Park-Windsor Hills	7.3	98	High (59th to 88th)	13.9	97	High (59th to 88th)	4.8	13	Lowest (1st to 29th)
Vincent	3.2	37	Low (30th to 58th)	6.8	20	Lowest (1st to 29th)	8.9	53	Low (30th to 58th)
Walnut	1.6	11	Lowest (1st to 29th)	4.2	6	Lowest (1st to 29th)	1.9	3	Lowest (1st to 29th)
Walnut Park	5.3	73	High (59th to 88th)	9.6	44	Low (30th to 58th)	8.0	40	Low (30th to 58th)
West Carson	5.3	73	High (59th to 88th)	9.6	45	Low (30th to 58th)	15.0	113	High (59th to 88th)
West Covina	3.6	45	Low (30th to 58th)	16.1	107	High (59th to 88th)	8.9	53	Low (30th to 58th)
West Hollywood	8.7	105	High (59th to 88th)	35.1	115	High (59th to 88th)	10.0	71	High (59th to 88th)
West Puente Valley	3.6	45	Low (30th to 58th)	6.1	13	Lowest (1st to 29th)	10.9	90	High (59th to 88th)
West Whittier-Los Nietos	3.8	52	Low (30th to 58th)	12.2	78	High (59th to 88th)	11.6	99	High (59th to 88th)
Westmont	20.8	117	High (59th to 88th)	12.5	79	High (59th to 88th)	10.5	82	High (59th to 88th)
Whittier	3.7	50	Low (30th to 58th)	12.7	83	High (59th to 88th)	12.6	106	High (59th to 88th)
Willowbrook	15.4	114	High (59th to 88th)	13.3	92	High (59th to 88th)	10.5	82	High (59th to 88th)

Lowest (1st to 29th) Low (30th to 58th) High (59th to 88th) Highest (89th to 117th)

Excludes cities/communities with populations less than 10,000

Figure 3. Leading Causes of Years of Life Lost Due to Alcohol for Males and Females, Los Angeles County, 2007²⁴



Discussion

Alcohol is the third-leading cause of preventable death in the United States,¹⁵ and accounts for 2,500 deaths in Los Angeles County each year, 75% of which occur in men.²⁴ It also results in 78,000 years of potential life lost due to premature death from alcohol use (Figure 3), with premature deaths among young people (less than age 21) accounting for more than 12% of the years of life lost. Excessive consumption of alcohol is a major public health concern among teenagers and adults in Los Angeles County, with significant health and economic impacts. These include societal harms not only from illnesses, but also due to injuries, violent crimes and property crimes, traffic accidents, work loss, and community and family disruptions.

The findings in this analysis are consistent with previous studies which have shown significant associations between alcohol availability and alcohol-related harms. For example, environmental factors such as the density of alcohol outlets have been found to play an important role in teenage drinking. Among teenagers in California, binge drinking and driving after drinking have been associated with the availability of alcohol outlets within a half-mile from home.²⁵

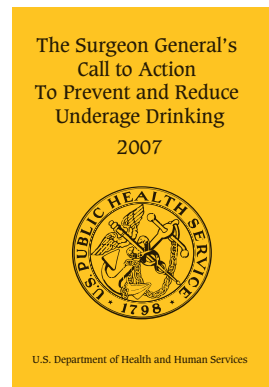
Preventing alcohol misuse and abuse among teenagers and young adults is especially critical. Attitudes toward drinking and drinking behaviors are formed during youth, and alcohol is the most frequently used drug among teenagers. Underage drinking is a major cause of death from injuries among persons under the age of 21, and the early onset of drinking increases the risk of alcohol-related problems later in life.²⁶ The seriousness of this problem led the U.S. Surgeon General to issue a “Call to Action to Prevent and Reduce Underage Drinking” in 2007.

Excessive alcohol use also disproportionately affects some racial/ethnic groups. For example, although rates of heavy drinking are highest among whites, the death rate from alcohol-related liver disease and cirrhosis is much higher among Hispanics.²²

Fortunately, alcohol misuse and abuse is not only highly treatable, but largely preventable. Drinking among youth and adults is strongly influenced by alcohol control policies,²⁷ and the findings in this report emphasize the need to take preventive actions at the community level and to implement targeted interventions that reduce alcohol outlet density.

In California, laws and regulations that determine alcohol access and availability primarily rest with the state, and to a lesser degree, local government. The California Department of Alcoholic Beverage Control (ABC), has the authority to license and regulate the manufacture, importation, and sale of alcoholic beverages. This includes reviewing and approving new outlet licenses, ensuring compliance with laws and regulations, and conducting limited prevention and education programs. Local governments can influence the licensing and compliance process and help minimize harms associated with problem alcohol outlets through their land use policies (e.g., zoning, conditional use permits, ordinances). Communities can also participate in public hearings and work with ABC to identify outlets that fail to comply with requirements.

The State has the sole authority to impose alcohol taxes. State excise taxes are levied on the sale of specific goods or commodities (e.g., alcohol), and are controlled at the State level, with revenues benefiting the State General Fund. Recently, State and local policy-makers have considered mitigation fees as a way to address adverse affects on public health by funding programs to address or prevent those harms at the State or local level. The passage of Proposition 26 in 2010 will make adoption of mitigation fees more difficult to enact because the measure increased the vote requirement to enact from a simple majority to a 2/3 majority. It is important for communities to understand these processes and authorities so they can best effect needed changes.



Strategies to Reduce Alcohol-Related Harms in Our Cities and Communities

The following are eight recommendations that policymakers, communities, businesses, schools, and health care providers can use to reduce alcohol-related consequences in our cities and communities.

1. Take actions to limit alcohol outlet density.

ABC has the authority to license and regulate the sale of alcoholic beverages. As part of the licensing process, ABC is required to inform local government of applications. Local government and communities can play an important role in the ABC decision-making process, including commenting on or protesting an application. Additionally, as recommend by the Community Guide,²⁸ local government can use land use powers to influence the process by limiting the number of new alcohol outlets allowed by the city or county general plans, or by imposing operating restrictions on new or existing outlets.

New Alcohol Outlets: Local jurisdictions can implement zoning ordinances or require applicants to obtain a “conditional use permit” prior to ABC license approval that includes conditions such as restrictions on location/density, hours of sale, types of beverages sold, and licensee conduct. Community members can also participate in public hearings for new outlets, e.g., by highlighting areas where on-premises or off-premises outlets are oversaturated.

Existing Alcohol Outlets: Local jurisdictions can implement “deemed approved” ordinances that require off-premises outlets to comply with performance standards (e.g., properly maintained premises that do not adversely affect the surrounding community), and require that owners/employees do not permit or facilitate unlawful behavior (e.g., sales to minors, public consumption on the property or surrounding sidewalk, or other illegal activity). Community members can inform or collaborate with ABC in identifying problem outlets or encouraging revocation of a license for continued violations.^{28,29}

2. Change the economics of alcoholic beverages.

Despite the clear link between alcohol consumption and alcohol-related harms (e.g., motor vehicle crashes, alcohol-impaired driving, liver cirrhosis, illness/injury, crime), California’s alcohol taxes per gallon are below the national average for beer (20¢ vs. 28¢), liquor (\$3.30 vs. \$3.70), and wine (20¢ vs. 79¢); only Louisiana has a lower wine tax than California.^{30,31} California’s last increase in alcohol taxes occurred in 1991; the increase was 1¢ per glass of wine and 2¢ per serving of beer and liquor. Alcohol-related harms cost California \$38.0 billion annually, including \$10.8 billion in Los Angeles County.² The Community Guide has found that higher alcohol taxes can reduce over-consumption and youth access, as well as provide funds for prevention and health care.^{28,29} In California, efforts to raise taxes begin at the state level, but communities can inform legislators regarding the benefits of such legislation and mobilize support around related ballot initiatives.

3. Restrict alcohol availability and accessibility to minors.

Underage drinking and early initiation of alcohol use are associated with greater alcohol-related problems in adulthood. Restricting the ability of minors to obtain alcohol in the home and community can change social norms regarding the permissibility of underage drinking and delay early initiation of alcohol use. Parents and guardians should closely monitor alcoholic beverages in the home and ensure underage drinking does not occur at family events. Furthermore, communities can implement and enforce social host ordinances that increase consequences for adults who knowingly permit underage drinking in private settings, such as parties.



Communities can also support the implementation of policies to limit the consumption of alcohol in public places (e.g., parks, beaches) and to decrease the possibility of minors obtaining alcohol at events highly attended by youth (e.g., by requiring ID bracelets).³²

4. Reduce alcohol advertising in public places and in areas commonly seen by minors.

Exposure to alcohol advertising influences youths' beliefs about alcohol and their intention to drink. Restricting alcohol advertising in public places (e.g., billboards, sporting events) and enforcing signage restrictions at liquor and convenience stores (e.g., no more than 33% of square footage of window advertisements, specific area for alcohol product placement) reduces youth exposure to alcohol marketing.

5. Ensure compliance with responsible sales and serving practices.

Requiring regular retailer/vendor education to deter sales to underage youth (e.g., Responsible Beverage Sales and Service training, ID checks) in combination with compliance checks has been effective in limiting underage alcohol access and use. In California, completion of a Responsible Beverage Sales and Service training is voluntary, but it can be required locally through Conditional Use Permits. The Los Angeles Police Department's Standardized Training for Alcohol Retailers "STAR" training is one no-cost option for those employed in the alcoholic beverage service industry; additional trainers are listed on ABC's website.^{33,34} The Community Guide has also identified maintaining limits on hours of alcohol sales as effective in reducing excessive alcohol consumption and related harms.²⁹ In California, city and county governments have the authority to set different sale hours.

6. Provide educational services.

Providing alcohol education and training to youth in school and community settings can raise awareness, develop refusal skills, and reduce the likelihood they will ride with alcohol-impaired drivers. Information about the hazards of alcohol and the legal and social consequences of use can be disseminated through school and community programs. This will help change students' perceptions, decrease the public's acceptance of underage drinking, and support the message that underage drinking is not acceptable.^{29,35}



7. Increase screening by health care providers for alcohol use and misuse.

The U.S. Preventive Services Task Force recommends screening and behavioral counseling to reduce alcohol misuse by adults, including pregnant women. The 5A's framework may be helpful for behavioral counseling: ASSESS alcohol consumption with a brief screening tool followed by clinical assessment as needed; ADVISE patients to reduce alcohol consumption to moderate levels; AGREE on individual goals for reducing alcohol use or abstinence (if indicated); ASSIST patients with acquiring the motivations, self-help skills, or supports needed for behavior change; and ARRANGE follow-up support and repeated counseling, including referring dependent drinkers for specialty treatment. In addition, all pregnant women and women contemplating pregnancy should be informed of the harmful effects of alcohol on the fetus.³⁶



8. Provide access to mental health and substance abuse services.

Health care providers who are unable to directly provide substance abuse treatment should refer patients who screen positive for further assessment and treatment services, and then follow-up to ensure that the patient received needed services. In LA County, persons without insurance can call the Community Assessment Services Centers at (800) 564-6600 to find the nearest appropriate treatment center.

Helpful Online Resources

Substance Abuse Prevention and Control, LA County Department of Public Health

www.publichealth.lacounty.gov/sapc/

National Institute on Drug Abuse

www.nida.nih.gov/

Federal Resources to Stop Underage Drinking

www.stopalcoholabuse.gov/

**Substance Abuse and Mental Health Services Administration
Center for Substance Abuse Prevention**

www.samhsa.gov/prevention/

Centers for Disease Control and Prevention's Alcohol Program

www.cdc.gov/Alcohol/

The Guide to Community Preventive Services

www.thecommunityguide.org

Join Together: Advancing Effective Alcohol and Drug Policy, Prevention, and Treatment

www.jointogether.org

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16. Source: U.S. Department of Commerce, Census Bureau – 2000 Incorporated Places/Census Designated Places boundary file, <http://www.census.gov/geo/www/cob/pl2000.html>. More information about the L.A. City Council Districts is available at <http://www.lacity.org/YourGovernment/CityCouncil/>.
17. Population estimates are produced internally for the County of Los Angeles.
18. Listing of all licensed on-premises and off-premises alcohol outlets in Los Angeles County was downloaded January 2009 from the California ABC website [<http://www.abc.ca.gov/datport/DataExport.html>]. For this report, all outlets with active, pending, or revocation pending due to non-payment of recent renewal status were included (>97%).
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22. Source: 2000-2007 Death Statistical Master Files, California Department of Health Services, Center for Health Statistics. Definition for causes of alcohol-induced deaths is taken from the Centers for Disease Control and Prevention’s (CDC) National Vital Statistics Report, volume 57, issue number 14, dated April 17, 2009 - page 120. [http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_14.pdf]
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33. Los Angeles Police Department, Standardized Training for Alcohol Retailers (STAR Training). [http://lapdonline.org/get_informed/content_basic_view/39961]
34. Department of Alcoholic Beverage Control – Approved RBS Training Providers. [http://www.abc.ca.gov/programs/RBS_Approved%20Training%20Providers.pdf]
35. Office of the Surgeon General. www.surgeongeneral.gov/topics/underagedinking/.
36. U.S. Preventive Services Task Force. www.uspreventiveservicestaskforce.org/uspstf/uspdrin.htm.



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