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# Abnormal Lipid Levels, Diagnosed High Cholesterol, and Lipid-lowering Treatment Among Adults: Los Angeles County and the United States, 1999–2014

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The National Health and Nutrition Examination Survey (NHANES), conducted by the National Center for Health Statistics, is a multistage probability sample of the civilian noninstitutionalized population of the United States. A household interview and a physical examination are conducted for each survey participant. Because of the size and population density of Los Angeles (LA) County and the large Mexican-American and Hispanic populations, a primary sampling unit in LA County was chosen with certainty in each 2-year NHANES cycle (1). By aggregating NHANES data between 1999–2006 and 2007–2014 to increase the sample size and improve the reliability of LA County estimates, the prevalence of many health conditions for the LA County and U.S. populations can be estimated and compared.

This Health E-Stat presents the percentage of adults aged 20 and over with high total cholesterol (greater than or equal to 240 mg/dL), low high-density lipoprotein cholesterol (HDL-C) (less than 40 mg/dL), high non-HDL-C (total cholesterol minus HDL-C, greater than or equal to 190 mg/dL), high low-density lipoprotein cholesterol (LDL-C) (greater than or equal to 160 mg/dL), and high triglycerides (greater than or equal to 175 mg/dL). The percentage of adults diagnosed with high cholesterol and, among those with diagnosed high cholesterol, those taking lipid-lowering medications and statins among adults in LA County and the United States during 1999–2006 and 2007–2014 are also presented.

Table 1 shows crude and age-adjusted percentages of adults aged 20 and over with high total cholesterol, low HDL-C, high non-HDL-C, high LDL-C, diagnosed high cholesterol, the percentage taking a lipid-lowering medication among adults diagnosed with high cholesterol, and percentage taking a statin among adults diagnosed with high cholesterol in LA County and the United States for 1999–2006 and 2007–2014 (low HDL-C and high non-HDL-C is shown for 2007–2014 only due to changes in laboratories and methods).

The age-adjusted prevalence of high total cholesterol in LA County was 14.2% in 1999–2006 and 13.8% in 2007–2014, while the prevalence in the United States was 16.8% and 12.8%, respectively. Among adults diagnosed with high cholesterol in LA County, 39.5% took a lipid-lowering medication in 1999–2006 and 38.0% did in 2007–2014 (age-adjusted), while among U.S. adults, 37.3% took a lipid-lowering medication in 1999–2006 and 45.1% did in 2007–2014 (age-adjusted).

Table 2 shows age-adjusted percentages of adults aged 20 and over with high total cholesterol, low HDL-C, high non-HDL-C, high LDL-C, diagnosed high cholesterol, the percentage taking a lipid-lowering medication among adults diagnosed with high cholesterol, and the percentage taking a statin among adults diagnosed with high cholesterol in LA County and the United States by age, sex, and race and Hispanic origin during 2007–2014.

#### **Data source and methods**

During the physical examination, venous blood samples were collected from NHANES participants and processed using a standardized protocol. Confidence intervals were constructed using the method of Korn and Graubard and the reliability of estimates was assessed using the NCHS data presentation standards for proportions (2). Despite aggregating NHANES data between 1999–2006 and 2007–2014 to increase the sample size and improve the reliability of LA County estimates, reduced power limited the ability to calculate reliable estimates for health conditions with a low prevalence, especially among subgroups. See the publication "National Health and Nutrition Examination Survey: California and LA County, Estimation Methods and Analytic Considerations" (1) for additional information on methods related to the LA County sample.

#### References

- 1. Parker JD, Kruszon-Moran D, Mohadjer LK, Dohrmann SM, Van de Kerckhove W, Clark J, et al. National Health and Nutrition Examination Survey: California and Los Angeles County, estimation methods and analytic considerations, 1999–2006 and 2007–2014. National Center for Health Statistics. Vital Health Stat 2(173). 2017.
- 2. Parker JD, Talih M, Malec DJ, Beresovsky V, Carroll M, Gonzalez Jr JF. National Center for Health Statistics data presentation standards for proportions. National Center for Health Statistics. Vital Health Stat 2(175). 2017.

### Suggested citation

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Table 1. Crude and age-adjusted percentage of adults aged 20 and over with abnormal lipids, diagnosed high cholesterol, and taking lipid-lowering medications: Los Angeles County and the United States, 1999–2006 and 2007–2014

	Los Angeles County				United States			
		1999–2006		2007–2014		1999–2006	2	2007–2014
Measurement	N	Percent (95% CI)	N	Percent (95% CI)	N	Percent (95% CI)	N	Percent (95% CI)
Crude percentage								
High total cholesterol (greater than or equal to 240 mg/dL)	850	13.7 (9.9, 18.4)	972	13.7 (10.2, 17.9)	17,766	16.8 (16.0, 17.7)	21,283	13.1 (12.4, 13.8)
Low HDL-C (less than 40 mg/dL)			972	17.9 (14.4, 21.7)	·		21,283	20.0 (19.0, 21.1)
High non-HDL-C (greater than or equal to 190 mg/dL)			972	11.6 (8.9, 14.9)			21,283	12.1 (11.5, 12.7)
High LDL-C (greater than or equal to 160 mg/dL)	341	12.7 (7.7, 19.4)	446	11.5 (7.8, 16.1)	7,674	12.5 (11.4, 13.7)	9,422	10.0 (9.3, 10.7)
High triglycerides (greater than or equal to 175 mg/dL)	364	31.9 (22.3, 42.7)	454	15.8 (12.1, 20.1)	7,893	24.3 (23.0, 25.6)	9,593	17.8 (16.7, 19.0)
Diagnosed high cholesterol	623	39.4 (35.1, 43.8)	909	33.9 (28.8, 39.2)	13,535	38.7 (37.4, 40.0)	19,764	37.1 (36.0, 38.1)
Percent taking a lipid-lowering medication among								
adults diagnosed with high cholesterol	275	38.6 (30.6, 47.1)	353	44.2 (36.2, 52.4)	5,383	41.0 (39.0, 43.1)	7,592	51.3 (49.5, 53.0)
Percent taking a statin among adults diagnosed with								
high cholesterol	276	23.5 (15.9, 32.7)	354	31.6 (22.6, 41.7)	5,398	32.3 (30.5, 34.1)	7,616	42.7 (41.0, 44.4)
Age-adjusted percentage <sup>1</sup>								
High total cholesterol (greater than or equal to 240 mg/dL)	850	14.2 (10.3, 19.0)	972	13.8 (10.4, 17.8)	17,766	16.8 (16.0, 17.6)	21,283	12.8 (12.2, 13.6)
Low HDL-C (less than 40 mg/dL)			972	17.8 (14.5, 21.5)	·		21,283	20.2 (19.1, 21.3)
High non-HDL-C (greater than or equal to 190 mg/dL)			972	11.6 (9.0, 14.7)			21,283	12.0 (11.4, 12.6)
High LDL-C (greater than or equal to 160 mg/dL)	341	12.8 (7.9, 19.1)	446	11.8 (7.9, 16.6)	7,674	12.5 (11.4, 13.6)	9,422	9.9 (9.2, 10.6)
High triglycerides (greater than or equal to 175 mg/dL)	364	32.5 (23.5, 42.7)	454	15.8 (12.2, 20.0)	7,893	24.3 (23.0, 25.6)	9,593	17.6 (16.5, 18.8)
Diagnosed high cholesterol	623	38.2 (33.7, 42.9)	909	32.7 (28.6, 37.0)	13,535	35.7 (34.6, 36.8)	19,764	34.2 (33.4, 35.1)
Percent taking a lipid-lowering medication among								
adults diagnosed with high cholesterol	275	39.5 (32.5, 46.8)	353	38.0 (31.8, 44.5)	5,383	37.3 (35.7, 38.9)	7,592	45.1 (43.4, 46.9)
Percent taking a statin among adults diagnosed with								
high cholesterol	276	23.2 (16.1, 31.6)	354	26.9 (19.1, 35.9)	5,398	29.0 (27.5, 30.6)	7,616	37.3 (35.7, 39.0)

<sup>...</sup>Category not applicable. Percentages prior to 2007–2008 are not presented due to changes in laboratories and methods.

NOTES: CI is confidence interval. HDL-C is high-density lipoprotein cholesterol. LDL-C is low-density lipoprotein cholesterol. Diagnosed high cholesterol is based on an affirmative response to the question, "Have you ever been told by a doctor or other health professional that your blood cholesterol level was high?" Taking a lipid-lowering medication is based on an affirmative response to the question, "Are you currently taking lipid-lowering medication?" asked of adults diagnosed with high cholesterol. Taking a statin is based on a comprehensive enumeration of prescription medications that the participant reported taking in the past 30 days.

SOURCE: National Center for Health Statistics, National Health and Nutrition Examination Survey, 1999-2014.

Age-adjusted by the direct method to the projected 2000 U.S. census population using the age groups 20-39, 40-59, and 60 and over.

Table 2. Age-adjusted percentage of adults aged 20 and older with abnormal lipids, diagnosed high cholesterol, and percentage taking lipid-lowering medications by age, sex, and race and Hispanic origin: Los Angeles County and United States, 2007–2014

High total cholesterol (greater than or equal to 240 mg/dL)  Age group: 20–39 314 9,9 (5,5, 15,9) 7,157 7,9 (7,0, 8,9 60 and over 323 14,4 (9,5, 20,6) 7,024 14,3 (13,2, 15,4 8)ex:  Men 458 14.7 (10,9, 19,1) 10,357 11.6 (10,8, 12,5 8)ex:  Men 155 12.3 (5,5, 22,5) 9,495 13.2 (12,3, 14,2 13,6, 12,2, 14,2 14,115,17,18) 13,8 (12,9, 14,7 14,8 (12,0, 12,9, 14,7 14,8		Los Angeles County			United States		
Age group: 20–39 314 9,9 (5,5,15,9) 7,157 7,9 (7,0,8,9) 40–59 335 17,6 (12,8,23,4) 7,102 17,2 (16,1,18,4,4) 40–59 40,40 40–59 40,40 40–69 41,40	Measurement	N	Percent (95% CI)	N	Percent (95% CI)		
20_39	High total cholesterol (greater than or equal to 240 mg/dL)						
40–59 335 17,6 (12.8, 23.4) 7,102 17,2 (16.1, 18.4 60 and over 323 14.4 (9.5, 20.6) 7,024 17,2 (16.1, 18.4 60 and over 323 14.4 (9.5, 20.6) 7,024 13.4 (31.3, 2.15.4 Sex:	Age group:						
60 and over Sex:  Men	20–39	314	9.9 (5.5, 15.9)	7,157	7.9 (7.0, 8.9)		
Sex:    Mem	40–59	335	17.6 (12.8, 23.4)	7,102	17.2 (16.1, 18.4)		
Men	60 and over	323	14.4 (9.5, 20.6)	7,024	14.3 (13.2, 15.4)		
Momen	Sex:						
Momen	Men	458	14.7 (10.9, 19.1)	10,357	11.6 (10.8, 12.5)		
Race and Hispanic origin: Non-Hispanic white   155   12.3 (5.5, 22.5)   9.495   13.2 (12.3, 14.2 Non-Hispanic) white   155   12.4 (11.5, 17.8)   5.366   13.8 (12.6, 15.1, 14.4 Hispanic)   12.9 (11.5, 14.4 Hispanic)   12.9 (11.5, 14.4 Hispanic)   12.9 (11.5, 14.4 Hispanic)   12.4 (11.5, 17.8)   3.366   13.8 (12.6, 15.1, 14.4 Hispanic)   12.4 (11.5, 17.8)   3.366   13.8 (12.6, 15.1, 14.4 Hispanic)   12.4 (11.5, 17.8)   3.366   13.8 (12.6, 15.1, 14.4 Hispanic)   12.4 (11.5, 17.8)   3.204   12.9 (11.5, 14.4 Hispanic)   12.4 (11.5, 17.8)   3.204   12.9 (11.5, 14.4 Hispanic)   12.4 (11.5, 17.8)   12.4 (12.0, 23.9)   7.157   22.0 (20.4, 23.7, 14.2	Women	514			, ,		
Non-Hispanic white   155   *12 3 (5.5, 22.5)   9.495   13.2 (12.3, 14.2   Non-Hispanic black   104   9.5 (4.6, 16.9)   4.29   9.9 (8.9, 11.0   Hispanic   10.4   Non-Hispanic black   104   9.5 (4.6, 16.9)   4.29   9.9 (8.9, 11.0   Hispanic   10.4   Non-Hispanic black   10.4   Non-Hispanic black   10.4   Non-Hispanic black   10.4   Non-Hispanic origin:   Non-Hispanic origin:   Non-Hispanic origin:   Non-Hispanic black   10.4   Non-Hispanic origin:   10.5   Non-Hispanic black   10.4   Non-Hispanic origin:   10.5   Non-Hispanic origin:			.= (*,)	,	( = = = , ,		
Non-Hispanic black		155	*12 3 (5 5 22 5)	9 495	13 2 (12 3 14 2)		
Hispanic   507   14.4 (11.5, 17.8)   5,366   13.8 (12.6, 15.1   Mexican American	•				, ,		
Mexican American	•				, ,		
Low HDL-C (less than 40 mg/dL)  Age group: 20–39 314 17.4 (12.0, 23.9) 7, 157 22.0 (20.4, 23.7, 23.9) 60 and over 323 14.5 (9.5, 20.8) 7, 024 16.3 (14.8, 17.9, 29.8) Sex:  Men 458 26.5 (21.6, 31.9) 10,357 29.8 (28.4, 31.3, 30.8) Women 458 26.5 (21.6, 31.9) 10,357 29.8 (28.4, 31.3, 30.8) Women 458 26.5 (21.6, 31.9) 10,357 29.8 (28.4, 31.3, 30.8) Women 458 26.5 (21.6, 31.9) 10,357 29.8 (28.4, 31.3, 30.8) Women 458 13.1 (7.8, 20.1) 9,495 20.8 (19.4, 22.2, 30.8) Non-Hispanic black 104 9.1 (2.6, 21.5) 4,292 14.1 (13.0, 15.2, 30.8) High non-HDL-C (greater than or equal to 190 mg/dL) Age group: 20–39 314 38.8 (5.1, 13.8) 37, 157 38.2 (7.4, 9.0, 40.59) 3835 15.2 (11.1, 20.1) 3836 3837 3837 3838 3837 3838 3838 3838	•		,		, ,		
Age group: 20–39 314 17.4 (12.0, 23.9) 7, 157 22.0 (20.4, 23.7, 20.6) 40–59 335 20.3 (15.3, 26.1) 7, 102 20.6 (19.1, 22.1, 20.6) 60 and over 323 14.5 (9.5, 20.8) 7, 024 16.3 (14.8, 17.9) 5ex:  Men 458 26.5 (21.6, 31.9) 10, 357 29.8 (28.4, 31.3, 30.6) Women 514 9.4 (6.5, 12.9) 10, 926 11.1 (10.1, 12.2, 30.6) 11.2 (10.1, 12.2, 30.6) 11.3 (17.8, 20.1) 10, 945 11.1 (10.1, 12.2, 30.6) 11.1 (10.1, 12.2, 30.6) 11.2 (10.1, 12.2, 30.6) 11.3 (1		337	12.4 (9.2, 10.3)	3,204	12.9 (11.5, 14.4)		
10-39	,						
40–59 (335 20.3 (15.3, 26.1) 7,102 20.6 (19.1, 22.1 60 and over 323 14.5 (9.5, 20.8) 7,024 16.3 (14.8, 17.9 5ex:  Men		044	47.4.(40.0.00.0)	7 457	00.0 (00.4.00.7)		
50 and over 323 14.6 (9.5, 20.8) 7,024 16.3 (14.8, 17.9 Sex:   Men 458 26.5 (21.6, 31.9) 10,357 29.8 (28.4, 31.3 Women 514 9.4 (6.5, 12.9) 10,926 11.1 (10.1, 12.2 Race and Hispanic origin:   Non-Hispanic white 155 13.1 (7.8, 20.1) 9,495 20.8 (19.4, 22.2 Non-Hispanic black 104 *9.1 (2.6, 21.5) 4,292 14.1 (13.0, 15.2 Hispanic' 507 24.8 (19.7, 30.5) 5,366 22.7 (21.2, 24.2 Mexican American 357 25.7 (20.1, 32.0) 3,204 23.2 (21.4, 25.2 High non-HDL-C (greater than or equal to 190 mg/dL)  Age group:   20-39 314 8.8 (5.1, 13.8) 7,157 8.2 (7.4, 9.0 40-59 335 15.2 (11.1, 20.1) 7,102 16.6 (15.5, 17.8 do)   323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 sex:   Men 458 15.0 (11.2, 19.4) 10,357 13.5 (12.7, 14.4 women 514 8.2 (6.0, 10.9) 10,926 10.4 (9.7, 11.1 Race and Hispanic origin:   Non-Hispanic white 155 *8.6 (3.4, 17.1) 9,495 12.2 (11.5, 13.0 Non-Hispanic black 104 *6.6 (2.6, 13.2) 4,292 8.5 (7.5, 9.5 Hispanic' 507 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 Mexican American 460 and over 360 and over 370 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 Mexican American 460 and over 360 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 470 14.9 (11.8, 18.4) 5,366 13.9 (12.7,					, ,		
Sex:  Men							
Men         458         26.5 (21.6, 31.9)         10,357         29.8 (28.4, 31.3 Women           Acace and Hispanic origin:         Non-Hispanic white         155         13.1 (7.8, 20.1)         9,495         20.8 (19.4, 22.2 Non-Hispanic black         104         9.1 (2.6, 21.5)         4,292         14.1 (13.0, 15.2 Non-Hispanic black         104         9.1 (2.6, 21.5)         4,292         14.1 (13.0, 15.2 Non-Hispanic black         104         9.1 (2.6, 21.5)         4,292         14.1 (13.0, 15.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         23.2 (21.4, 25.2 Non-Hispanic black         25.7 (20.1, 32.0)         3,204         11.1 (10.3, 11.9 Non-Hispanic black         45.8 (5.1, 13.0 Non-Hispanic black         15.9 (11.2, 19.4)         10.357         13.5 (12.7, 14.4 Non-Hispanic		323	14.5 (9.5, 20.8)	7,024	16.3 (14.8, 17.9)		
Women   S14   9.4 (6.5, 12.9)   10,926   11.1 (10.1, 12.2   Race and Hispanic origin:	Sex:						
Race and Hispanic origin:  Non-Hispanic white 155 13.1 (7.8, 20.1) 9,495 20.8 (19.4, 22.2 Non-Hispanic white 150 13.1 (7.8, 20.1) 9,495 20.8 (19.4, 22.2 Hispanic hispanic black 104 9.1 (2.6, 21.5) 4,292 14.1 (13.0, 15.2 Hispanic	Men		26.5 (21.6, 31.9)	10,357	29.8 (28.4, 31.3)		
Non-Hispanic white 155 13.1 (7.8, 20.1) 9,495 20.8 (19.4, 22.2 Non-Hispanic black 104 "9.1 (2.6, 21.5) 4,292 14.1 (13.0, 15.2 Hispanic¹ 507 24.8 (19.7, 30.5) 5,366 22.7 (21.2, 24.2 Mexican American 357 25.7 (20.1, 32.0) 3,204 23.2 (21.4, 25.2 High non-HDL-C (greater than or equal to 190 mg/dL)  Age group:  20–39 314 8.8 (5.1, 13.8) 7,157 8.2 (7.4, 9.0 40–59 335 15.2 (11.1, 20.1) 7,102 16.6 (15.5, 17.8 60 and over 323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 Sex:  Men 458 15.0 (11.2, 19.4) 10,357 13.5 (12.7, 14.4 Momen 514 8.2 (6.0, 10.9) 10,926 10.4 (9.7, 11.1 Momen 7.0	Women	514	9.4 (6.5, 12.9)	10,926	11.1 (10.1, 12.2)		
Non-Hispanic black 104 *9.1 (2.6, 21.5) 4,292 14.1 (13.0, 15.2 Hispanic 1 507 24.8 (19.7, 30.5) 5,366 22.7 (21.2, 24.2 Mexican American 357 25.7 (20.1, 32.0) 3,204 23.2 (21.4, 25.2 High non-HDL-C (greater than or equal to 190 mg/dL)  Age group:  20-39 314 8.8 (5.1, 13.8) 7,157 8.2 (7.4, 9.0 40-59 335 15.2 (11.1, 20.1) 7,102 16.6 (15.5, 17.8 60 and over 32.3 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 50.2)	Race and Hispanic origin:						
Non-Hispanic black 104 *9.1 (2.6, 21.5) 4,292 14.1 (13.0, 15.2 Hispanic 1 507 24.8 (19.7, 30.5) 5,366 22.7 (21.2, 24.2 Mexican American 357 25.7 (20.1, 32.0) 3,204 23.2 (21.4, 25.2 High non-HDL-C (greater than or equal to 190 mg/dL)  Age group:  20-39 314 8.8 (5.1, 13.8) 7,157 8.2 (7.4, 9.0 40-59 335 15.2 (11.1, 20.1) 7,102 16.6 (15.5, 17.8 60 and over 32.3 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 50.2)	Non-Hispanic white	155	13.1 (7.8, 20.1)	9,495	20.8 (19.4, 22.2)		
Hispanic¹ Mexican American Hispanic¹ Mexican American Hispanic¹ Mexican American Hispanic¹ Hispanic Hispani		104	*9.1 (2.6, 21.5)	4,292	14.1 (13.0, 15.2)		
Mexican American       357       25.7 (20.1, 32.0)       3,204       23.2 (21.4, 25.2)         High non-HDL-C (greater than or equal to 190 mg/dL)       Age group:       314       8.8 (5.1, 13.8)       7,157       8.2 (7.4, 9.0)         20–39       314       8.8 (5.1, 13.8)       7,157       8.2 (7.4, 9.0)         40–59       335       15.2 (11.1, 20.1)       7,102       16.6 (15.5, 17.8)         80 and over       323       10.7 (6.6, 16.3)       7,024       11.1 (10.3, 11.9)         9ex:       Men       458       15.0 (11.2, 19.4)       10,357       13.5 (12.7, 14.4)         Women       514       8.2 (6.0, 10.9)       10,926       10.4 (9.7, 11.1)         Race and Hispanic origin:       Non-Hispanic white       155       *8.6 (3.4, 17.1)       9,495       12.2 (11.5, 13.0)         Non-Hispanic black       104       *6.6 (2.6, 13.2)       4,292       8.5 (7.5, 9.5)         High LDL-C (greater than or equal to 160 mg/dL)       104       *6.6 (2.6, 13.2)       4,292       8.5 (7.5, 9.5)         Auge group:       20–39       146       *5.5 (2.0, 11.9)       3,109       7.0 (6.0, 8.1)         20–39       149       143       8.3, 22.4)       3,186       13.1 (11.6, 14.6)         <		507			22.7 (21.2, 24.2)		
Age group:  20–39  314  8.8 (5.1, 13.8)  7,157  8.2 (7.4, 9.0  40–59  335  15.2 (11.1, 20.1)  7,102  16.6 (15.5, 17.8  60 and over  323  10.7 (6.6, 16.3)  7,024  11.1 (10.3, 11.9  Sex:  Men  458  15.0 (11.2, 19.4)  10,357  13.5 (12.7, 14.4  Women  514  8.2 (6.0, 10.9)  10,926  10.4 (9.7, 11.1  Race and Hispanic origin:  Non-Hispanic black  104  *6.6 (2.6, 13.2)  4,292  8.5 (7.5, 9.5  Hispanic¹  507  14.9 (11.8, 18.4)  5,366  13.9 (12.7, 15.2  Mexican American  357  14.0 (10.4, 18.2)  3,204  13.6 (12.0, 15.2  High LDL-C (greater than or equal to 160 mg/dL)  Age group:  20–39  146  *5.5 (2.0, 11.9)  3,109  7.0 (6.0, 8.1  40–59  159  14.3 (8.3, 22.4)  3,186  13.1 (11.6, 14.6  60 and over  5ex:  Men  210  11.6 (7.0, 17.9)  4,497  9.8 (8.8, 10.9  Women  236  11.8 (6.3, 19.8)  4,925  9.8 (9.0, 10.7  Race and Hispanic origin:  Non-Hispanic white  Non-Hispanic white  164  **.†12.4 (3.4, 29.0)  4,205  9.7 (8.7, 10.8  Non-Hispanic black  43  **.†16.7 (2.6, 45.7)  1,809  10.3 (8.8, 11.9  Hispanic¹  255  8.6 (5.5, 12.8)  2,455  10.6 (9.1, 12.4)	·				23.2 (21.4, 25.2)		
20–39 314 8.8 (5.1, 13.8) 7,157 8.2 (7.4, 9.0 40–59 335 15.2 (11.1, 20.1) 7,102 16.6 (15.5, 17.8 60 and over 323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 60 and over 323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 60 and over 323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 60 and over 323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 60 and over 324 11.1 (10.3, 11.9 60 and over 325 12.2 (11.2, 19.4) 10,357 13.5 (12.7, 14.4 Women 458 15.0 (11.2, 19.4) 10,357 13.5 (12.7, 14.4 Women 458 8.2 (6.0, 10.9) 10,926 10.4 (9.7, 11.1 Race and Hispanic origin:  Non-Hispanic white 155 *8.6 (3.4, 17.1) 9,495 12.2 (11.5, 13.0 Non-Hispanic black 104 *6.6 (2.6, 13.2) 4,292 8.5 (7.5, 9.5 Hispanic 1 507 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 Mexican American 357 14.3 (8.3, 22.4) 3,186 13.1 (11.6, 14.6 60 and over 314 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 60 and over 314 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 60 and over 326 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Mon 210 11.6 (7.0, 17.9) 4,497 9.8 (8.8, 10.9 Women 236 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Non-Hispanic white 64 *112.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic white 64 *112.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic black 43 *116.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic 1 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205 10.6 (9.1, 12.4 (3.4, 29.0) 4,205	High non-HDL-C (greater than or equal to 190 mg/dL)						
40–59 335 15.2 (11.1, 20.1) 7,102 16.6 (15.5, 17.8 60 and over 323 10.7 (6.6, 16.3) 7,024 11.1 (10.3, 11.9 5ex:  Men 458 15.0 (11.2, 19.4) 10,357 13.5 (12.7, 14.4 8.2 (6.0, 10.9) 10,926 10.4 (9.7, 11.1 (2.2.1) (2.2	Age group:						
60 and over 60 and 60	20–39		8.8 (5.1, 13.8)	7,157	8.2 (7.4, 9.0)		
Sex:  Men	40–59	335	15.2 (11.1, 20.1)	7,102	16.6 (15.5, 17.8)		
Men       458       15.0 (11.2, 19.4)       10,357       13.5 (12.7, 14.4)         Women       514       8.2 (6.0, 10.9)       10,926       10.4 (9.7, 11.1)         Race and Hispanic origin:       Non-Hispanic white       155       *8.6 (3.4, 17.1)       9,495       12.2 (11.5, 13.0)         Non-Hispanic black       104       *6.6 (2.6, 13.2)       4,292       8.5 (7.5, 9.5)         Hispanic¹       507       14.9 (11.8, 18.4)       5,366       13.9 (12.7, 15.2)         Mexican American       357       14.0 (10.4, 18.2)       3,204       13.6 (12.0, 15.2)         High LDL-C (greater than or equal to 160 mg/dL)       Age group:         20-39       146       *5.5 (2.0, 11.9)       3,109       7.0 (6.0, 8.1)         40-59       159       14.3 (8.3, 22.4)       3,186       13.1 (11.6, 14.6)         60 and over       141       *18.4 (7.5, 34.9)       3,127       9.8 (8.6, 11.0)         Sex:       Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9)         Race and Hispanic origin:       Non-Hispanic white       64       *.†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8)         Non-Hispanic¹       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 1	60 and over	323	10.7 (6.6, 16.3)	7,024	11.1 (10.3, 11.9)		
Women       514       8.2 (6.0, 10.9)       10,926       10.4 (9.7, 11.1         Race and Hispanic origin:       Non-Hispanic white       155       *8.6 (3.4, 17.1)       9,495       12.2 (11.5, 13.0         Non-Hispanic black       104       *6.6 (2.6, 13.2)       4,292       8.5 (7.5, 9.5         Hispanic¹       507       14.9 (11.8, 18.4)       5,366       13.9 (12.7, 15.2         Mexican American       357       14.0 (10.4, 18.2)       3,204       13.6 (12.0, 15.2         High LDL-C (greater than or equal to 160 mg/dL)       Age group:         20-39       146       *5.5 (2.0, 11.9)       3,109       7.0 (6.0, 8.1         40-59       159       14.3 (8.3, 22.4)       3,186       13.1 (11.6, 14.6         60 and over       141       *18.4 (7.5, 34.9)       3,127       9.8 (8.6, 11.0         Sex:       Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9         Race and Hispanic origin:       Non-Hispanic white       64       *.12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8         Non-Hispanic¹       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)	Sex:						
Women       514       8.2 (6.0, 10.9)       10,926       10.4 (9.7, 11.1)         Race and Hispanic origin:       Non-Hispanic white       155       *8.6 (3.4, 17.1)       9,495       12.2 (11.5, 13.0)         Non-Hispanic black       104       *6.6 (2.6, 13.2)       4,292       8.5 (7.5, 9.5)         Hispanic¹       507       14.9 (11.8, 18.4)       5,366       13.9 (12.7, 15.2)         Mexican American       357       14.0 (10.4, 18.2)       3,204       13.6 (12.0, 15.2)         High LDL-C (greater than or equal to 160 mg/dL)       Age group:         20-39       146       *5.5 (2.0, 11.9)       3,109       7.0 (6.0, 8.1)         40-59       159       14.3 (8.3, 22.4)       3,186       13.1 (11.6, 14.6)         60 and over       141       *18.4 (7.5, 34.9)       3,127       9.8 (8.6, 11.0)         Sex:       Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9)         Race and Hispanic origin:       Non-Hispanic white       64       *.12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8)         Non-Hispanic¹       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)	Men	458	15.0 (11.2, 19.4)	10,357	13.5 (12.7, 14.4)		
Race and Hispanic origin:  Non-Hispanic white  155 *8.6 (3.4, 17.1) 9,495 12.2 (11.5, 13.0 Non-Hispanic black  104 *6.6 (2.6, 13.2) 4,292 8.5 (7.5, 9.5 Hispanic¹ 507 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 High LDL-C (greater than or equal to 160 mg/dL)  Age group:  20–39 146 *5.5 (2.0, 11.9) 3,109 7.0 (6.0, 8.1 40–59 159 14.3 (8.3, 22.4) 3,186 13.1 (11.6, 14.6 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 Sex:  Men 210 11.6 (7.0, 17.9) 4,497 9.8 (8.8, 10.9 Women 236 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Non-Hispanic white 64 *12.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic black 43 *16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic¹ 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4)	Women	514	,		, ,		
Non-Hispanic white 155 *8.6 (3.4, 17.1) 9,495 12.2 (11.5, 13.0 Non-Hispanic black 104 *6.6 (2.6, 13.2) 4,292 8.5 (7.5, 9.5 Hispanic 1 507 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 High LDL-C (greater than or equal to 160 mg/dL)  Age group:  20–39 146 *5.5 (2.0, 11.9) 3,109 7.0 (6.0, 8.1 40–59 159 14.3 (8.3, 22.4) 3,186 13.1 (11.6, 14.6 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 Sex:  Men 210 11.6 (7.0, 17.9) 4,497 9.8 (8.6, 11.0 Women 236 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Non-Hispanic white 64 *.†12.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic black 43 *.†16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic 1 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4 12.4 12.4 12.4 12.4 13.4 13.4 13.4 13.4 13.4 13.4 13.4 13			(,,	-,-	- (- , , ,		
Non-Hispanic black 104 *6.6 (2.6, 13.2) 4,292 8.5 (7.5, 9.5 Hispanic 1 507 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 High LDL-C (greater than or equal to 160 mg/dL)  Age group: 20–39 146 *5.5 (2.0, 11.9) 3,109 7.0 (6.0, 8.1 40–59 159 14.3 (8.3, 22.4) 3,186 13.1 (11.6, 14.6 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 Sex:  Men 210 11.6 (7.0, 17.9) 4,497 9.8 (8.8, 10.9 Women 236 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Non-Hispanic white 64 *.†12.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic black 43 *.†16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic 1 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4 12.4 13.4 13.4 13.4 13.4 13.4 13.4 13.4 13		155	*8 6 (3 4 17 1)	9 495	12 2 (11 5 13 0)		
Hispanic <sup>1</sup> 507 14.9 (11.8, 18.4) 5,366 13.9 (12.7, 15.2 Mexican American 357 14.0 (10.4, 18.2) 3,204 13.6 (12.0, 15.2 High LDL-C (greater than or equal to 160 mg/dL)  Age group:  20–39 146 *5.5 (2.0, 11.9) 3,109 7.0 (6.0, 8.1 40–59 159 14.3 (8.3, 22.4) 3,186 13.1 (11.6, 14.6 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 Sex:  Men 210 11.6 (7.0, 17.9) 4,497 9.8 (8.8, 10.9 Women 236 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Non-Hispanic white 64 *.†12.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic black 43 *.†16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic <sup>1</sup> 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4 (1.5, 12.4) 1.5 (1.5, 12.4) 10.6 (9.1, 12.4)	•						
Mexican American       357       14.0 (10.4, 18.2)       3,204       13.6 (12.0, 15.2)         High LDL-C (greater than or equal to 160 mg/dL)         Age group:       20–39       146       *5.5 (2.0, 11.9)       3,109       7.0 (6.0, 8.1)         40–59       159       14.3 (8.3, 22.4)       3,186       13.1 (11.6, 14.6)         60 and over       141       *18.4 (7.5, 34.9)       3,127       9.8 (8.6, 11.0)         Sex:       Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9)         Women       236       11.8 (6.3, 19.8)       4,925       9.8 (9.0, 10.7)         Race and Hispanic origin:       Non-Hispanic white       64       *,†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8)         Non-Hispanic black       43       *,†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9)         Hispanic 1       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)			,		, ,		
High LDL-C (greater than or equal to 160 mg/dL)  Age group:  20–39	•			,			
Age group:  20–39		337	14.0 (10.4, 10.2)	3,204	13.0 (12.0, 13.2)		
20–39       146       *5.5 (2.0, 11.9)       3,109       7.0 (6.0, 8.1         40–59       159       14.3 (8.3, 22.4)       3,186       13.1 (11.6, 14.6         60 and over       141       *18.4 (7.5, 34.9)       3,127       9.8 (8.6, 11.0         Sex:         Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9         Women       236       11.8 (6.3, 19.8)       4,925       9.8 (9.0, 10.7         Race and Hispanic origin:         Non-Hispanic white       64       *.†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8         Non-Hispanic black       43       *.†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9         Hispanic 1       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)							
40–59 159 14.3 (8.3, 22.4) 3,186 13.1 (11.6, 14.6 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 60 and over 141 and over 142 and o		140	*E E (0.0.44.0\	2 400	70/00 04		
60 and over 141 *18.4 (7.5, 34.9) 3,127 9.8 (8.6, 11.0 Sex:  Men 210 11.6 (7.0, 17.9) 4,497 9.8 (8.8, 10.9 Women 236 11.8 (6.3, 19.8) 4,925 9.8 (9.0, 10.7 Race and Hispanic origin:  Non-Hispanic white 64 *.†12.4 (3.4, 29.0) 4,205 9.7 (8.7, 10.8 Non-Hispanic black 43 *.†16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic 1 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4 10.8 Non-Hispanic 1 2.5							
Sex:       Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9)         Women       236       11.8 (6.3, 19.8)       4,925       9.8 (9.0, 10.7)         Race and Hispanic origin:       Non-Hispanic white       64       *,†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8)         Non-Hispanic black       43       *,†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9)         Hispanic 1       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)			,				
Men       210       11.6 (7.0, 17.9)       4,497       9.8 (8.8, 10.9)         Women       236       11.8 (6.3, 19.8)       4,925       9.8 (9.0, 10.7)         Race and Hispanic origin:       Non-Hispanic white       64       *.†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8)         Non-Hispanic black       43       *.†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9)         Hispanic 1       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)		141	*18.4 (7.5, 34.9)	3,127	9.8 (8.6, 11.0)		
Women       236       11.8 (6.3, 19.8)       4,925       9.8 (9.0, 10.7)         Race and Hispanic origin:       Non-Hispanic white       64       *.†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8)         Non-Hispanic black       43       *.†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9)         Hispanic 1       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)	Sex:				,		
Race and Hispanic origin:       64       *,†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8         Non-Hispanic black       43       *,†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9         Hispanic¹       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4)					9.8 (8.8, 10.9)		
Non-Hispanic white       64       *.†12.4 (3.4, 29.0)       4,205       9.7 (8.7, 10.8         Non-Hispanic black       43       *.†16.7 (2.6, 45.7)       1,809       10.3 (8.8, 11.9         Hispanic¹       255       8.6 (5.5, 12.8)       2,455       10.6 (9.1, 12.4	Women	236	11.8 (6.3, 19.8)	4,925	9.8 (9.0, 10.7)		
Non-Hispanic black 43 *. <sup>†</sup> 16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic 1 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4	Race and Hispanic origin:						
Non-Hispanic black 43 *. <sup>†</sup> 16.7 (2.6, 45.7) 1,809 10.3 (8.8, 11.9 Hispanic 1 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4	Non-Hispanic white	64	*, <sup>†</sup> 12.4 (3.4, 29.0)	4,205	9.7 (8.7, 10.8)		
Hispanic <sup>1</sup> 255 8.6 (5.5, 12.8) 2,455 10.6 (9.1, 12.4		43			10.3 (8.8, 11.9)		
	·						
- IVIEXICAD ADTECCAD 184 8.5 (4.7.15.5) 1.444 10.0 (8.0.17.2)	Mexican American	184	8.3 (4.7, 13.3)	1,444	10.0 (8.0, 12.4)		

See footnotes at end of table.

Table 2. Age-adjusted percentage of adults aged 20 and older with abnormal lipids, diagnosed high cholesterol, and taking lipid-lowering medications by age, sex, and race and Hispanic origin: Los Angeles County and United States, 2007–2014—Con.

	Los	s Angeles County	United States		
Measurement	N	Percent (95% CI)	N	Percent (95% CI)	
High triglycerides (greater than or equal to 175 mg/dL)					
Age group:					
20–39	148	15.0 (8.1, 24.5)	3,158	13.3 (11.8, 15.1)	
40–59	164	15.9 (10.7, 22.5)	3,268	20.9 (19.1, 22.7)	
60 and over	142	17.1 (8.6, 28.9)	3,167	19.8 (17.6, 22.2)	
Sex:					
Men	215	18.2 (11.8, 26.3)	4,618	21.2 (19.6, 22.9)	
Women	239	13.4 (9.1, 18.7)	4,975	14.1 (12.7, 15.6)	
Race and Hispanic origin:					
Non-Hispanic white	65	*, <sup>†</sup> 8.8 (3.2, 18.5)	4,296	18.2 (16.8, 19.7)	
Non-Hispanic black	43	*, <sup>†</sup> 11.7 (1.2, 38.3)	1,823	7.9 (6.4, 9.7)	
Hispanic <sup>1</sup>	261	22.8 (16.6, 30.1)	2,509	22.2 (20.4, 24.1)	
Mexican American	190	26.1 (17.4, 36.4)	1,481	22.9 (20.6, 25.4)	
Diagnosed high cholesterol					
Age group:					
20–39	262	10.7 (7.2, 15.1)	5,734	14.7 (13.7, 15.7)	
40–59	311	42.5 (35.2, 50.1)	6,710	41.2 (39.7, 42.8)	
60 and over	336	54.5 (46.6, 62.2)	7,320	56.5 (54.7, 58.3)	
Sex:		,	•	, , ,	
Men	412	33.6 (28.0, 39.5)	9,408	35.9 (34.5, 37.3)	
Women	497	31.7 (26.8, 36.9)	10,356	32.7 (31.5, 33.9)	
Race and Hispanic origin:		,	•	, , ,	
Non-Hispanic white	148	28.1 (19.6, 37.9)	8,845	34.9 (33.8, 36.0)	
Non-Hispanic black	105	38.0 (28.7, 48.0)	4,299	32.2 (30.6, 33.9)	
Hispanic <sup>1</sup>	437	34.5 (29.2, 40.0)	4,450	33.3 (31.9, 34.7)	
Mexican American	306	33.7 (27.6, 40.3)	2,507	32.2 (30.2, 34.2)	
Percent taking a lipid-lowering medication among adults diagnosed with high cholesterol					
Age group:					
20–39	‡	‡	849	15.1 (12.2, 18.3)	
40–59	133	38.1 (27.1, 50.2)	2,719	42.9 (40.0, 45.8)	
60 and over	192	64.2 (55.4, 72.4)	4,024	70.6 (68.9, 72.3)	
Sex:		, , ,		, ,	
Men	162	36.3 (26.3, 47.1)	3,733	47.3 (45.0, 49.6)	
Women	191	38.9 (31.4, 46.9)	3,859	43.1 (40.9, 45.4)	
Race and Hispanic origin:		, , , , , ,	,	, , ,	
Non-Hispanic white	49	<sup>†</sup> 4.3 (21.3, 49.2)	3,617	46.1 (44.0, 48.2)	
Non-Hispanic black	48	*, <sup>†</sup> 33.1 (18.9, 49.9)	1,569	47.5 (44.8, 50.3)	
Hispanic <sup>1</sup>	171	37.3 (30.1, 45.0)	1,718	39.2 (36.1, 42.4)	
Mexican American	113	36.7 (26.9, 47.4)	930	41.9 (37.4, 46.5)	

Table 2. Age-adjusted percentage of adults aged 20 and older with abnormal lipids, diagnosed high cholesterol, and taking lipid-lowering medications by age, sex, and race and Hispanic origin: Los Angeles County and United States, 2007–2014—Con.

	Los	Angeles County	United States		
Measurement	N	Percent (95% CI)	N	Percent (95% CI)	
Percent taking a statin among adults diagnosed with high cholesterol					
Age group:					
20–39	‡	‡	851	11.6 (9.1, 14.5)	
40–59	134	25.0 (14.2, 38.7)	2,721	34.6 (31.9, 37.3)	
60 and over	192	49.5 (36.6, 62.4)	4,044	60.3 (58.4, 62.1)	
Sex:		, , ,		,	
Men	163	22.9 (12.2, 36.9)	3,748	39.8 (37.9, 41.8)	
Women	191	29.7 (21.7, 38.7)	3,868	35.1 (33.0, 37.2)	
Race and Hispanic origin:		,		, ,	
Non-Hispanic white	50	*, <sup>†</sup> 20.3 (5.4, 45.3)	3,630	39.0 (37.2, 41.0)	
Non-Hispanic black	48	†31.4 (18.3, 47.0)	1,573	38.5 (35.7, 41.3)	
Hispanic <sup>1</sup>	171	22.5 (16.5, 29.6)	1,723	28.2 (26.0, 30.4)	
Mexican American	113	20.0 (12.9, 28.9)	931	29.4 (26.4, 32.5)	

<sup>\*</sup>Estimate does not meet National Center for Health Statistics standards of reliability.

NOTES: CI is confidence interval. HDL-C is high-density lipoprotein cholesterol. LDL-C is low-density lipoprotein cholesterol. Estimates were age-adjusted by the direct method to the projected 2000 U.S. census population using the age groups 20–39, 40–59, and 60 and over. Race and Hispanic origin-specific estimates reflect persons reporting only one race; those reporting more than one race are included in the total but are not reported separately. Diagnosed high cholesterol is based on an affirmative response to the question, "Have you ever been told by a doctor or other health professional that your blood cholesterol level was high?" Taking a lipid-lowering medication is based on an affirmative response to the question, "Are you currently taking lipid-lowering medication?" asked of adults dignosed with high cholesterol. Taking a statin is based on a comprehensive enumeration of prescription medications that the participant reported taking in the past 30 days.

SOURCE: National Center for Health Statistics, National Health and Nutrition Examination Survey, 2007–2014.

<sup>&</sup>lt;sup>†</sup>Standard error based on less than 8 degrees of freedom.

 $<sup>\</sup>ensuremath{^{\ddagger}}$  Estimate suppressed due to small sample size.

<sup>&</sup>lt;sup>1</sup>Hispanic includes Mexican Americans.