

Table 67 (page 1 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race, and Hispanic origin¹</i>	1960–62	1971–74	1976–80 ²	1988–94 ³	1999–2000 ³
20–74 years, age adjusted ⁴					
Percent of population with high serum cholesterol (standard error)					
Both sexes ⁵	33.3	28.6	27.8	19.7 (0.6)	18.0 (0.9)
Male	30.6	27.9	26.4	18.8 (0.8)	17.7 (1.1)
Female	35.6	29.1	28.8	20.5 (0.8)	18.2 (1.3)
Not Hispanic or Latino:					
White only, male	---	---	26.4	18.7 (0.9)	18.3 (1.4)
White only, female	---	---	29.6	20.7 (1.0)	19.3 (1.7)
Black or African American only, male	---	---	25.5	16.4 (1.0)	10.7 (2.1)
Black or African American only, female	---	---	26.3	19.9 (0.8)	16.5 (2.5)
Mexican male	---	---	20.3	18.7 (1.5)	17.8 (1.9)
Mexican female	---	---	20.5	17.7 (1.2)	13.1 (1.3)
20 years and over, age adjusted ⁴					
Both sexes ⁵	---	---	---	20.8 (0.6)	18.3 (0.8)
Male	---	---	---	19.0 (0.7)	17.2 (1.1)
Female	---	---	---	22.0 (0.8)	19.1 (1.2)
Not Hispanic or Latino:					
White only, male	---	---	---	18.8 (0.8)	17.8 (1.3)
White only, female	---	---	---	22.2 (1.0)	19.9 (1.6)
Black or African American only, male	---	---	---	16.9 (0.9)	10.6 (1.9)
Black or African American only, female	---	---	---	21.4 (0.9)	17.7 (2.4)
Mexican male	---	---	---	18.5 (1.6)	17.8 (1.9)
Mexican female	---	---	---	18.7 (1.3)	13.9 (1.3)
20 years and over, crude					
Both sexes ⁵	---	---	---	19.6 (0.6)	17.8 (0.9)
Male	---	---	---	17.7 (0.7)	16.7 (1.1)
Female	---	---	---	21.3 (0.9)	18.7 (1.2)
Not Hispanic or Latino:					
White only, male	---	---	---	18.0 (0.8)	17.7 (1.4)
White only, female	---	---	---	22.5 (1.1)	20.2 (1.6)
Black or African American only, male	---	---	---	14.7 (1.0)	*10.1 (2.1)
Black or African American only, female	---	---	---	18.2 (0.9)	15.9 (2.2)
Mexican male	---	---	---	15.4 (1.3)	14.8 (2.0)
Mexican female	---	---	---	14.3 (1.1)	11.3 (1.4)
Male					
20–34 years	15.1	12.4	11.9	8.2 (0.9)	11.0 (1.5)
35–44 years	33.9	31.8	27.9	19.4 (1.6)	21.1 (3.3)
45–54 years	39.2	37.5	36.9	26.6 (2.3)	22.9 (3.4)
55–64 years	41.6	36.2	36.8	28.0 (2.1)	16.5 (2.4)
65–74 years	38.0	34.7	31.7	21.9 (2.2)	19.2 (2.8)
75 years and over	---	---	---	20.4 (1.8)	*10.1 (2.1)
Female					
20–34 years	12.4	10.9	9.8	7.3 (1.0)	9.3 (1.4)
35–44 years	23.1	19.3	20.7	12.3 (1.3)	12.8 (2.5)
45–54 years	46.9	38.7	40.5	26.7 (2.1)	23.7 (4.2)
55–64 years	70.1	53.1	52.9	40.9 (1.9)	26.2 (3.1)
65–74 years	68.5	57.7	51.6	41.3 (2.4)	37.4 (4.0)
75 years and over	---	---	---	38.2 (2.2)	27.6 (2.5)

See footnotes at end of table.

Table 67 (page 2 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race, and Hispanic origin¹</i>	1960–62	1971–74	1976–80 ²	1988–94 ³	1999–2000 ³
20–74 years, age adjusted ⁴					
Mean serum cholesterol level, mg/dL (standard error)					
Both sexes ⁵	222	216	215	205 (0.8)	204 (1.0)
Male	220	216	213	204 (0.9)	204 (1.2)
Female	224	217	216	205 (0.8)	203 (1.4)
Not Hispanic or Latino:					
White only, male	---	---	213	204 (1.0)	204 (1.6)
White only, female	---	---	216	206 (1.1)	206 (1.7)
Black or African American only, male	---	---	211	201 (1.3)	192 (2.5)
Black or African American only, female	---	---	216	204 (0.6)	200 (2.8)
Mexican male	---	---	209	206 (1.6)	207 (1.7)
Mexican female	---	---	209	204 (1.3)	198 (2.0)
20 years and over, age adjusted ⁴					
Both sexes ⁵	---	---	---	206 (0.7)	204 (0.9)
Male	---	---	---	204 (0.9)	203 (1.1)
Female	---	---	---	207 (0.8)	205 (1.3)
Not Hispanic or Latino:					
White only, male	---	---	---	205 (1.0)	204 (1.5)
White only, female	---	---	---	208 (1.1)	207 (1.6)
Black or African American only, male	---	---	---	202 (1.3)	192 (2.3)
Black or African American only, female	---	---	---	207 (0.7)	201 (2.7)
Mexican male	---	---	---	206 (1.5)	207 (1.7)
Mexican female	---	---	---	206 (1.3)	199 (1.9)
20 years and over, crude					
Both sexes ⁵	---	---	---	204 (0.8)	203 (1.0)
Male	---	---	---	202 (0.9)	202 (1.1)
Female	---	---	---	206 (0.9)	204 (1.5)
Not Hispanic or Latino:					
White only, male	---	---	---	203 (1.0)	203 (1.5)
White only, female	---	---	---	208 (1.3)	207 (1.6)
Black or African American only, male	---	---	---	198 (1.3)	190 (2.5)
Black or African American only, female	---	---	---	201 (0.7)	198 (2.8)
Mexican male	---	---	---	199 (1.6)	203 (1.8)
Mexican female	---	---	---	198 (1.5)	195 (2.0)
Male					
20–34 years	198	194	192	186 (1.2)	189 (2.0)
35–44 years	227	221	217	206 (1.6)	205 (2.8)
45–54 years	231	229	227	216 (1.8)	215 (2.9)
55–64 years	233	229	229	216 (2.2)	210 (2.5)
65–74 years	230	226	221	212 (1.9)	210 (2.6)
75 years and over	---	---	---	205 (1.9)	194 (2.4)
Female					
20–34 years	194	191	189	184 (1.3)	186 (2.2)
35–44 years	214	207	207	195 (1.4)	197 (2.1)
45–54 years	237	232	232	217 (2.3)	213 (3.1)
55–64 years	262	245	249	235 (1.6)	223 (2.8)
65–74 years	266	250	246	233 (1.9)	229 (3.2)
75 years and over	---	---	---	229 (2.0)	219 (2.5)

* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. --- Data not available.
¹Persons of Mexican origin may be of any race. Starting with data year 1999 race-specific estimates are tabulated according to 1997 Standards for Federal data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to 1997 Standards. The 1999–2000 race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, data were tabulated according to 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. The effect of the 1997 Standard on the 1999–2000 estimates can be seen by comparing 1999–2000 data tabulated according to the two Standards: Estimates based on the 1977 Standards of the percent of the population 20–74 years, age adjusted, with high serum cholesterol are: 0.1 percentage points lower for white males; 0.1 percentage points higher for white females; 0.1 percentage points lower for black males; and unchanged for black females than estimates based on the 1997 Standards. See Appendix II, Race.
²Data for Mexicans are for 1982–84. See Appendix I, National Health and Nutrition Examination Survey (NHANES).
³Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.
⁴Age adjusted to the 2000 standard population using five age groups except for 1999–2000 estimates, which are age adjusted using three age groups (20–39, 40–59, and 60–74 or 60 years and over) due to a smaller sample size; however, use of three rather than five groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.
⁵Includes persons of all races and Hispanic origins, not just those shown separately.

NOTES: High serum cholesterol is defined as greater than or equal to 240 mg/dL (6.20 mmol/L). Risk levels have been defined by the Second report of the National Cholesterol Education Program Expert Panel on Detection, Evaluation and Treatment of High Blood Cholesterol in Adults. National Heart, Lung, and Blood Institute, National Institutes of Health. September 1993. (Summarized in *JAMA* 269(23):3015–23. June 16, 1993.)

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).