

Supplemental Table 1. Prevalence of high LDL-cholesterol and high cholesterol awareness, treatment, and control in demographic sub-groups of US adults, 1999-2000 through 2009-2010

	Calendar period						Linear p-value	Quadratic p-value
	1999-2000 (n=1659)	2001-2002 (n=1897)	2003-2004 (n=1697)	2005-2006 (n=1692)	2007-2008 (n=2041)	2009-2010 (n=2316)		
	Prevalence of high LDL-cholesterol, %							
Age < 50 years	23.4 (1.5)	23.3 (1.6)	19.4 (1.4)	20.1 (1.9)	19.1 (1.7)	20.6 (1.7)	0.064	0.213
50-64 years	58.8 (2.5)	54.9 (2.7)	51.8 (4.1)	49.9 (3.3)	57.6 (1.7)	55.4 (2.7)	0.798	0.078
≥ 65 years	67.2 (1.8)	62.7 (2.5)	70.5 (2.2)	62.1 (2.3)	65.8 (2.5)	67.5 (2.5)	0.889	0.458
Men	44.6 (1.5)	41.9 (2.3)	39.3 (2.3)	37.1 (2.4)	41.7 (2.7)	42.0 (1.3)	0.337	0.011
Women	30.3 (1.7)	30.7 (1.4)	31.0 (2.1)	31.5 (2.7)	31.9 (1.8)	33.9 (2.1)	0.159	0.677
Non-Hispanic white	39.8 (2.0)	38.6 (2.1)	37.6 (1.8)	35.1 (2.4)	38.6 (2.4)	41.1 (1.7)	0.782	0.043
Non-Hispanic black	27.1 (2.6)	35.0 (2.8)	28.8 (2.4)	30.9 (2.2)	33.5 (3.0)	34.2 (3.7)	0.226	0.974
Hispanics	30.0 (3.2)	22.9 (2.8)	29.2 (2.7)	29.2 (2.2)	29.9 (2.2)	29.5 (2.2)	0.496	0.639
	Awareness of high LDL-cholesterol^I, %							
Age < 50 years	38.9 (5.1)	38.5 (4.0)	44.3 (3.8)	47.0 (2.5)	44.1 (6.6)	47.9 (4.5)	0.116	0.753
50-64 years	55.8 (5.4)	61.9 (2.7)	70.1 (3.9)	67.4 (4.9)	66.3 (3.6)	64.6 (3.7)	0.164	0.072
≥ 65 years	55.6 (4.8)	56.0 (3.0)	74.7 (3.0)	71.9 (1.7)	69.0 (2.1)	70.9 (3.0)	0.001	0.013
Men	45.0 (4.3)	48.7 (3.5)	57.7 (3.8)	54.5 (2.9)	55.7 (4.1)	56.4 (2.4)	0.014	0.152
Women	54.2 (2.8)	53.8 (3.3)	68.8 (2.5)	69.2 (2.5)	66.1 (3.4)	67.4 (1.4)	<0.001	0.005
Non-Hispanic white	52.4 (3.2)	53.0 (2.3)	65.2 (3.2)	64.2 (2.1)	62.4 (3.7)	65.3 (2.5)	<0.001	0.106
Non-Hispanic black	42.4 (4.9)	42.5 (3.7)	58.3 (3.6)	47.7 (3.1)	58.4 (6.7)	64.2 (5.5)	0.001	0.782
Hispanics	28.4 (4.0)	29.9 (6.9)	43.3 (5.9)	47.2 (5.5)	49.9 (3.5)	46.4 (3.1)	<0.001	0.082
	Treated for high LDL-cholesterol^{II}, %							
Age < 50 years	20.3 (7.7)	43.5 (7.3)	42.4 (7.3)	43.1 (7.5)	56.0 (7.5)	53.8 (5.0)	0.001	0.249
50-64 years	47.2 (5.7)	58.1 (4.4)	66.7 (3.8)	66.3 (3.4)	72.3 (4.0)	68.5 (2.3)	<0.001	0.027
≥ 65 years	56.5 (5.4)	65.2 (4.0)	66.6 (4.4)	83.3 (4.6)	83.5 (3.6)	81.9 (2.4)	<0.001	0.315
Men	43.0 (6.7)	52.3 (4.6)	67.4 (5.1)	65.9 (3.7)	73.6 (3.8)	72.1 (2.5)	<0.001	0.081
Women	39.4 (2.6)	59.3 (5.6)	54.6 (2.1)	66.6 (5.8)	71.6 (4.0)	67.9 (3.4)	<0.001	0.053
Non-Hispanic white	42.2 (4.9)	57.5 (4.2)	59.6 (2.7)	65.9 (4.1)	73.7 (3.4)	70.2 (2.6)	<0.001	0.061
Non-Hispanic black	41.7 (9.8)	44.5 (7.5)	58.3 (6.6)	72.5 (8.3)	68.5 (5.2)	63.8 (3.1)	0.002	0.077
Hispanics	43.1 (5.6)	34.1 (9.0)	68.5 (9.2)	55.8 (10.6)	63.6 (4.5)	77.8 (3.1)	<0.001	0.722
	Controlled^{III}, %							
Age < 50 years	71.9 (10.3)	49.8 (6.8)	53.8 (10.4)	80.5 (7.2)	69.1 (4.9)	60.2 (7.1)	0.500	0.533
50-64 years	35.4 (8.3)	51.7 (6.6)	55.0 (7.4)	63.1 (6.7)	63.1 (3.1)	71.1 (3.0)	<0.001	0.511
≥ 65 years	44.6 (7.8)	48.7 (4.3)	56.7 (3.3)	61.3 (4.4)	59.0 (3.9)	58.7 (5.3)	0.080	0.192
Men	33.3 (4.3)	52.2 (4.7)	44.0 (5.0)	62.0 (5.4)	56.9 (5.1)	62.5 (3.3)	<0.001	0.361
Women	59.6 (6.6)	48.4 (7.1)	69.6 (4.6)	68.1 (4.9)	68.4 (4.0)	64.8 (3.6)	0.080	0.139

Non-Hispanic white	46.2 (4.2)	50.5 (3.1)	55.8 (4.8)	65.4 (4.5)	61.0 (2.7)	67.2 (3.8)	<0.001	0.496
Non-Hispanic black	17.4 (9.3)	30.1 (14.0)	55.2 (9.7)	51.8 (6.8)	63.4 (7.2)	45.3 (6.3)	0.075	0.006
Hispanics	76.1 (8.2)	49.5 (10.8)	41.8 (7.6)	55.9 (10.7)	59.2 (6.5)	63.5 (5.4)	0.695	0.029

Numbers in table are percent (standard error)

LDL= low-density lipoprotein

† Among all individuals with high LDL-cholesterol

†† Among individuals aware of their diagnosis of high LDL-cholesterol

††† Among those treated for high LDL-cholesterol

Supplemental Table 2. Prevalence of high LDL-cholesterol and high cholesterol awareness, treatment, and control by CHD risk categories, 1999-2000 through 2009-2010

	Calendar period						Linear p-value	Quadratic p-value
	1999-2000 (n=1659)	2001-2002 (n=1897)	2003-2004 (n=1697)	2005-2006 (n=1692)	2007-2008 (n=2041)	2009-2010 (n=2316)		
ATP-III Risk Category	Prevalence of high LDL-cholesterol, %							
0-1 risk factors	16.3 (1.6)	15.9 (1.2)	12.9 (1.0)	17.3 (1.7)	15.8 (1.3)	18.1 (0.8)	0.173	0.139
2+ risk factors	65.7 (3.5)	59.0 (3.2)	64.1 (3.0)	56.3 (3.7)	61.8 (2.5)	63.0 (2.6)	0.644	0.194
CHD or risk equivalent	81.0 (3.4)	81.2 (2.0)	80.9 (3.2)	75.7 (2.5)	77.1 (3.3)	82.2 (1.8)	0.691	0.172
CHD at very high risk	99.6 (0.5)	94.6 (2.8)	97.4 (1.4)	90.6 (3.9)	95.7 (1.8)	94.9 (2.3)	0.163	0.151
ATP-III Risk Category	Awareness of high LDL-cholesterol[†], %							
0-1 risk factors	47.7 (4.5)	56.5 (4.9)	64.4 (6.1)	64.9 (3.0)	68.5 (4.7)	69.1 (5.2)	0.001	0.250
2+ risk factors	45.8 (4.1)	43.5 (3.3)	53.7 (3.8)	56.5 (3.8)	53.2 (4.9)	48.7 (2.9)	0.149	0.070
CHD or risk equivalent	50.8 (5.0)	51.6 (5.5)	73.1 (3.3)	58.3 (4.7)	56.6 (5.2)	66.9 (2.8)	0.033	0.322
CHD at very high risk	65.8 (8.2)	65.7 (4.8)	70.1 (5.0)	75.1 (4.2)	72.9 (4.1)	66.7 (4.5)	0.532	0.251
ATP-III Risk Category	Treated for high LDL-cholesterol^{††}, %							
0-1 risk factors	38.2 (6.7)	49.5 (6.2)	53.0 (6.0)	55.8 (6.8)	64.3 (6.9)	62.3 (5.5)	0.004	0.473
2+ risk factors	33.9 (3.8)	49.7 (6.2)	55.4 (6.3)	57.1 (5.2)	64.3 (6.4)	59.3 (4.7)	<0.001	0.038
CHD or risk equivalent	46.1 (10.1)	58.5 (5.3)	65.1 (4.7)	80.6 (4.7)	85.1 (2.6)	83.0 (2.8)	<0.001	0.339
CHD at very high risk	68.3 (9.6)	84.6 (3.7)	84.9 (4.3)	88.0 (6.1)	87.1 (5.0)	87.3 (5.3)	0.089	0.221
ATP-III Risk Category	Controlled LDL-cholesterol^{†††}, %							
0-1 risk factors	83.4 (8.1)	79.3 (7.9)	96.6 (1.9)	94.9 (2.9)	83.9 (4.1)	93.4 (2.9)	0.232	0.385
2+ risk factors	49.3 (9.6)	44.7 (8.6)	58.7 (6.6)	62.2 (8.6)	57.0 (8.0)	52.3 (5.4)	0.505	0.216
CHD or risk equivalent	30.0 (8.0)	44.3 (5.1)	49.6 (6.1)	54.7 (5.7)	67.5 (3.4)	58.3 (5.9)	0.001	0.120
CHD at very high risk	1.6 (1.8)*	21.3 (7.7)*	3.8 (2.1)*	35.1 (10.7)*	26.4 (6.2)*	19.9 (6.3)*	*	*

* Unstable estimate due to few (n<20) people in each cell. Due to the instability, p-values were not calculated.

Numbers in table are percent (standard error)

LDL= low-density lipoprotein

[†] Among all individuals with high LDL-cholesterol

^{††} Among individuals aware of their diagnosis of high LDL-cholesterol

^{†††} Among those treated for high LDL-cholesterol

CHD risk categories were defined by (1) 0-1 risk factors - no CHD or CHD risk equivalents and 0-1 major CHD risk factors, (2) 2+ risk factors - no CHD or CHD risk equivalents and two or more major CHD risk factors, (3) CHD or risk equivalent - CHD not at very high risk and/or CHD risk equivalents and (4) CHD at very high risk - CHD with cigarette smoking, diabetes mellitus, or metabolic syndrome. See Table 1 for definitions of CHD risk factors and CHD risk equivalents.