

Supplementary Table S1. The risk of suicidal ideation according to the Household income and Education levels

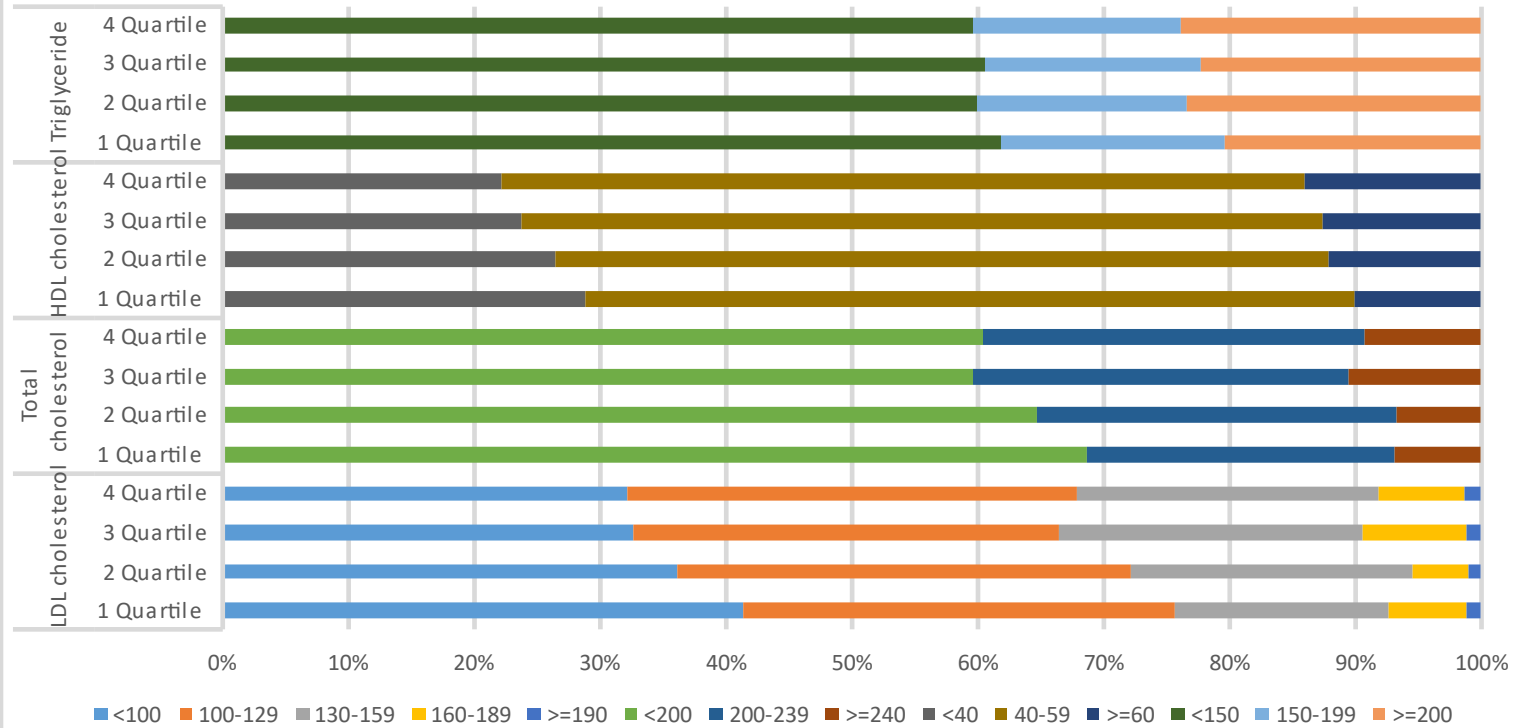
		Men		Women			
		<i>n</i> =5,721		<i>n</i> =8,051			
		PHQ9 (Suicidal ideation) – 9th		<i>p</i> -Value		PHQ9 (Suicidal ideation) – 9th	
		No	Yes			No	Yes
		<i>n</i> =5,453	<i>n</i> =268			<i>n</i> =7,445	<i>n</i> =606
Household Income	1 Quartile	840(87.9)	113(12.1)	<0.001		1312(84.2)	253(15.8)
	2 Quartile	1334(95.9)	59(4.1)			1847(92.7)	155(7.3)
	3 Quartile	1597(96.5)	55(3.5)			2082(94.4)	126(5.6)
	4 Quartile	1682(97.4)	41(2.6)			2204(96.4)	72(3.6)
Education level	≤ Elementary school	788(91.3)	77(8.7)	<0.001		1705(85.1)	289(14.9)
	Middle school	580(94.9)	34(5.1)			741(90.9)	75(9.1)
	High school	1882(95.2)	90(4.8)			2401(94.8)	132(4.2)
	≥ University	2203(96.9)	67(3.1)			2598(92.9)	110(7.1)

		Men		Women	
		OR (95% CI)	<i>p</i> -Value	OR (95% CI)	<i>p</i> -Value
Household Income	1 st	5.082(3.283, 7.865)	<0.001	4.962(3.66, 6.726)	<0.001
	2 nd	1.569(0.991, 2.484)	0.055	2.087(1.509, 2.887)	<0.001
	3 rd	1.34(0.843, 2.129)	0.215	1.57(1.134, 2.174)	0.007
	4 th	ref		ref	
Education level	≤Elementary school	3.007(2.023, 4.471)	<0.001	4.007(3.103, 5.175)	<0.001
	Middle School	1.688(1.013, 2.811)	0.044	2.286(1.607, 3.251)	<0.001
	High School	1.604(1.1, 2.337)	0.014	1.34(1.01, 1.778)	0.042
	≥University	ref		ref	

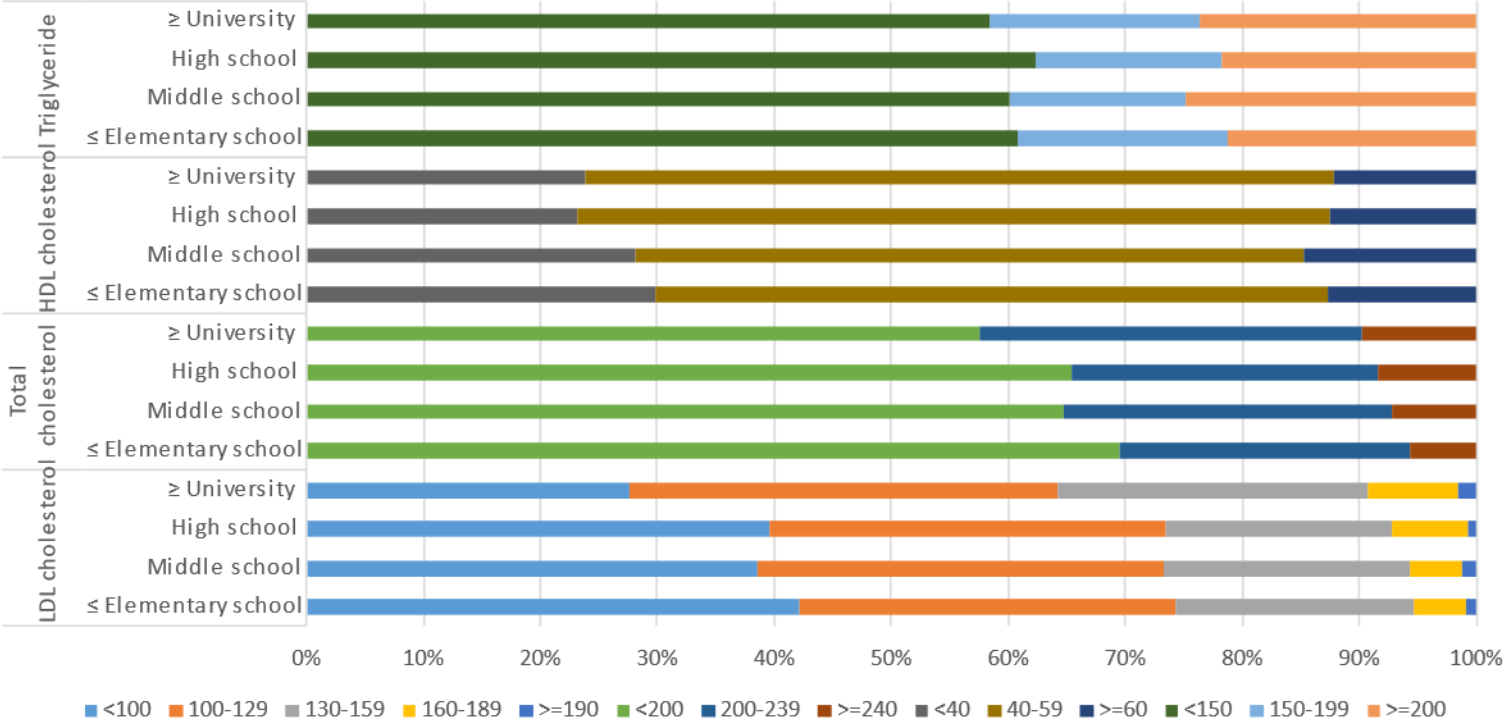
Supplementary Table S2. Relationship between lipid levels and household income & education levels in Men

Variables	Men <i>n</i> =5,721									
	Household Income					Education Level				
	1 Quartile	2 Quartile	3 Quartile	4 Quartile	<i>p</i> -Value	≤ Elementary school	Middle School	High School	≥ University	<i>p</i> -Value
	<i>n</i> =953	<i>n</i> =1,393	<i>n</i> =1,652	<i>n</i> =1,723		<i>n</i> =865	<i>n</i> =614	<i>n</i> =1,972	<i>n</i> =2,270	
LDL cholesterol					<0.001					<0.001
<100	392(41.39)	497(36.17)	555(32.64)	553(32.21)		365(42.2)	250(38.63)	761(39.58)	621(27.6)	
100-129	328(34.24)	480(35.96)	565(33.86)	614(35.67)		293(32.17)	212(34.68)	659(33.87)	823(36.61)	
130-159	164(17.05)	328(22.41)	395(24.18)	417(24)		158(20.36)	125(20.97)	407(19.36)	614(26.62)	
160-189	56(6.21)	73(4.54)	121(8.23)	117(6.78)		39(4.31)	22(4.48)	128(6.45)	178(7.67)	
≥190	13(1.11)	15(0.92)	16(1.1)	22(1.34)		10(0.96)	5(1.24)	17(0.74)	34(1.51)	
Total cholesterol					0.001					<0.001
<200	658(68.66)	880(64.74)	1007(59.61)	1051(60.47)		613(69.47)	417(64.65)	1267(65.4)	1299(57.53)	
200-239	229(24.57)	410(28.61)	486(29.95)	517(30.32)		205(24.82)	165(28.22)	532(26.2)	740(32.61)	
≥240	66(6.77)	103(6.65)	159(10.44)	155(9.21)		47(5.7)	32(7.13)	173(8.4)	231(9.85)	
HDL cholesterol					0.013					0.014
<40	287(28.78)	380(26.42)	415(23.83)	403(22.18)		260(29.84)	183(28.09)	490(23.24)	552(23.81)	
40-59	559(61.24)	838(61.44)	1027(63.62)	1088(63.88)		489(57.44)	349(57.14)	1227(64.25)	1447(63.94)	
≥60	107(9.98)	175(12.14)	210(12.55)	232(13.94)		116(12.72)	82(14.78)	255(12.51)	271(12.25)	
Triglyceride					0.767					0.139
<150	615(61.83)	835(60)	1010(60.58)	1019(59.64)		550(60.85)	390(60.19)	1215(62.38)	1324(58.39)	
150-199	157(17.82)	229(16.66)	292(17.25)	293(16.47)		144(17.88)	88(14.95)	325(15.9)	414(17.95)	
≥200	181(20.35)	329(23.34)	350(22.18)	411(23.89)		171(21.27)	136(24.86)	432(21.72)	532(23.66)	

Men - Household Income



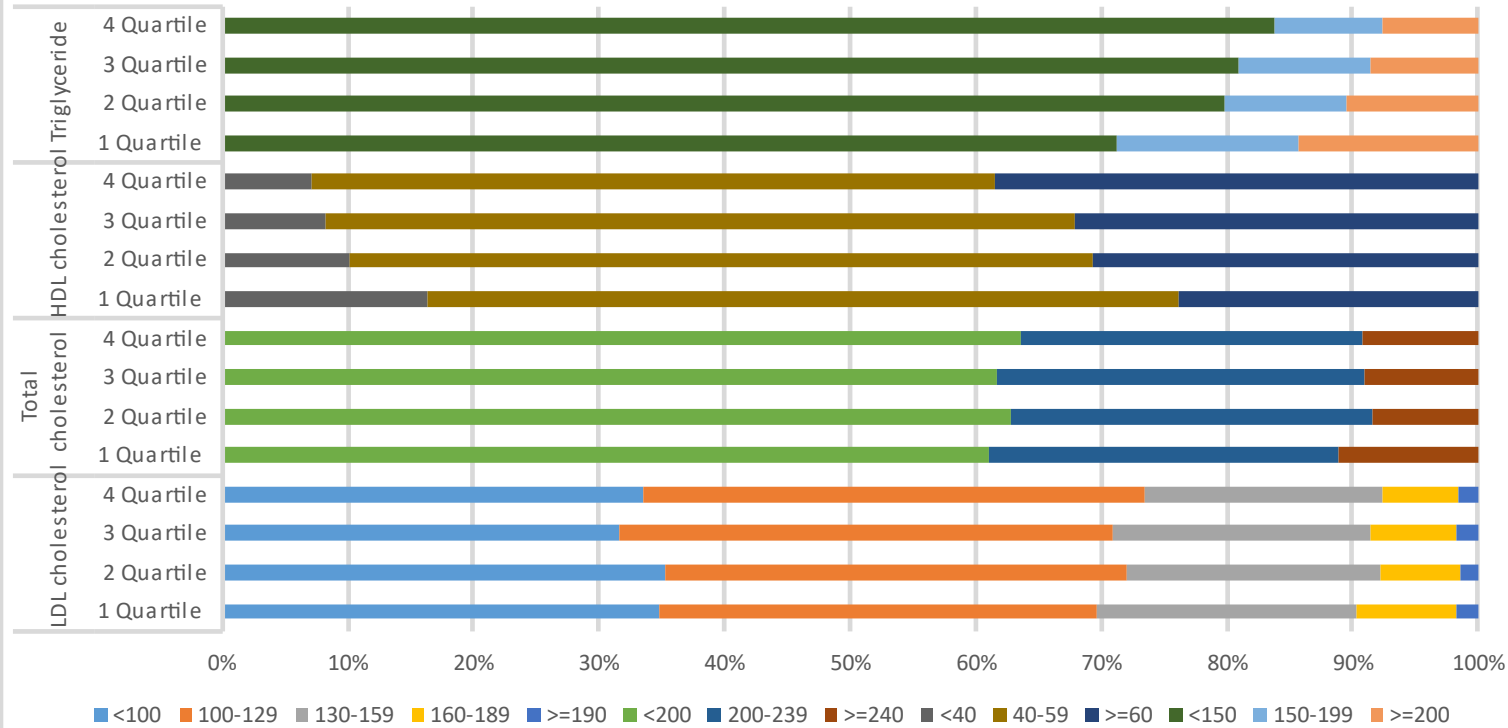
Men - Education Level



Supplementary Table S3. Relationship between lipid levels and household income & education levels in Women

Variables	Women <i>n</i> =8,051									
	Household Income					Education level				
	1 Quartile	2 Quartile	3 Quartile	4 Quartile	<i>p</i> - Value	≤ Elementary school	Middle School	High School	≥ University	<i>p</i> - Value
	<i>n</i> =1,565	<i>n</i> =2,002	<i>n</i> =2,208	<i>n</i> =2,276		<i>n</i> =1,994	<i>n</i> =816	<i>n</i> =2,533	<i>n</i> =2,708	
LDL cholesterol					0.231					<0.001
<100	548(34.72)	671(35.27)	702(31.63)	744(33.59)		679(32.63)	240(30.45)	833(34.12)	913(34.41)	
100-129	508(34.85)	731(36.71)	850(39.29)	890(39.82)		638(32.86)	274(33.92)	944(37.93)	1123(41.94)	
130-159	345(20.68)	428(20.24)	461(20.46)	455(19.04)		455(23.12)	200(23.82)	540(19.97)	494(17.55)	
160-189	135(7.96)	140(6.35)	161(6.91)	152(6.01)		182(8.88)	84(9.97)	174(6.34)	148(5.05)	
≥190	29(1.78)	32(1.43)	34(1.71)	35(1.55)		40(2.51)	18(1.84)	42(1.64)	30(1.06)	
Total cholesterol					0.313					<0.001
<200	934(61.07)	1210(62.75)	1359(61.77)	1415(63.62)		1178(57.64)	428(54.96)	1530(62.29)	1782(66.89)	
200-239	449(27.84)	607(28.91)	648(29.14)	644(27.25)		582(30.02)	287(32.67)	765(28.81)	714(25.86)	
≥240	182(11.09)	185(8.34)	201(9.1)	217(9.13)		234(12.34)	101(12.37)	238(8.9)	212(7.24)	
HDL cholesterol					<0.001					<0.001
<40	283(16.28)	226(10.2)	186(8.25)	182(7.18)		375(18.19)	117(14.58)	231(8.91)	154(4.99)	
40-59	942(59.95)	1202(59.17)	1346(59.7)	1265(54.32)		1265(62.84)	496(60.49)	1494(57.96)	1500(54.93)	
≥60	340(23.77)	574(30.63)	676(32.05)	829(38.5)		354(18.98)	203(24.94)	808(33.14)	1054(40.08)	
Triglyceride					<0.001					<0.001
<150	1087(71.29)	1548(79.8)	1767(80.94)	1889(83.74)		1332(66.81)	595(72.56)	2017(80.82)	2347(87.55)	
150-199	244(14.35)	230(9.8)	253(10.58)	202(8.68)		344(16.91)	112(13.12)	268(9.86)	205(7.03)	
≥200	234(14.36)	224(10.4)	188(8.48)	185(7.58)		318(16.27)	109(14.32)	248(9.32)	156(5.42)	

Women - Household Income



Women - Education Level

