

SUPPLEMENTARY DATA

Supplementary Table 1. Hazard ratio of cancer according to different levels of serum high-density lipoprotein (HDL) cholesterol during follow-up among various subpopulations of diabetic patients

	HDL cholesterol (mg/dL)							P for trend	P for interaction
	<30	30-39.9	40-49.9	50-59.9	60-69.9	70-79.9	≥80		
Race									>0.50
Black	1.00	0.91 (0.76 - 1.09)	1.03 (0.86 - 1.23)	0.86 (0.71 - 1.05)	0.71 (0.56 - 0.91)	0.83 (0.60 - 1.15)	0.70 (0.47 - 1.04)	0.003	
White	1.00	0.90 (0.78 - 1.03)	0.86 (0.74 - 1.01)	0.81 (0.66 - 0.98)	0.69 (0.52 - 0.93)	0.81 (0.51 - 1.29)	0.99 (0.57 - 1.74)	0.019	
Body mass index									0.001
<30	1.00	0.83 (0.70 - 0.99)	0.83 (0.69 - 0.99)	0.75 (0.61 - 0.92)	0.55 (0.42 - 0.73)	0.66 (0.47 - 0.93)	0.69 (0.47 - 1.02)	<0.001	
≥30	1.00	0.95 (0.82 - 1.10)	1.02 (0.88 - 1.18)	0.89 (0.74 - 1.06)	0.83 (0.65 - 1.07)	1.00 (0.68 - 1.48)	0.76 (0.43 - 1.33)	0.013	
Smoking									>0.75
Never	1.00	0.92 (0.80 - 1.06)	0.93 (0.80 - 1.07)	0.84 (0.71 - 0.99)	0.68 (0.55 - 0.86)	0.97 (0.73 - 1.29)	0.78 (0.53 - 1.14)	0.007	
Current	1.00	0.84 (0.70 - 1.01)	0.95 (0.78 - 1.14)	0.80 (0.62 - 1.02)	0.69 (0.49 - 0.96)	0.37 (0.19 - 0.73)	0.68 (0.38 - 1.21)	0.001	
Glucose-lowering medication									>0.50
No use	1.00	0.84 (0.71 - 1.00)	0.83 (0.69 - 0.99)	0.79 (0.65 - 0.97)	0.62 (0.48 - 0.82)	0.66 (0.46 - 0.97)	0.66 (0.43 - 1.02)	0.009	
Use	1.00	0.94 (0.82 - 1.09)	1.02 (0.88 - 1.18)	0.86 (0.72 - 1.03)	0.75 (0.58 - 0.96)	0.94 (0.66 - 1.34)	0.84 (0.52 - 1.34)	0.011	
Lipid-lowering medication									>0.05
No use	1.00	0.86 (0.72 - 1.03)	0.84 (0.70 - 1.02)	0.73 (0.59 - 0.91)	0.69 (0.52 - 0.90)	0.79 (0.55 - 1.13)	0.77 (0.51 - 1.18)	0.001	
Use	1.00	0.93 (0.81 - 1.07)	1.00 (0.87 - 1.16)	0.91 (0.76 - 1.08)	0.68 (0.53 - 0.87)	0.80 (0.55 - 1.17)	0.68 (0.42 - 1.12)	0.052	

Adjusted for age, gender, race, body mass index, systolic blood pressure, LDL cholesterol, type of insurance, income, smoking, use of antihypertensive drugs, use of diabetes medications, and use of cholesterol-lowering agents.

SUPPLEMENTARY DATA

Supplementary Table 2. Hazard ratio of subtypes of cancer according to different levels of serum high-density lipoprotein (HDL) cholesterol at baseline among diabetic patients

Subtypes of cancer	HDL cholesterol (mg/dL)						P for trend
	<30	30-39.9	40-49.9	50-59.9	60-69.9	≥70	
Lung	1.00	0.86 (0.62-1.19)	0.81 (0.58-1.14)	0.48 (0.31-0.75)	0.41 (0.22-0.77)	0.33 (0.15-0.73)	<0.001
Stomach	1.00	0.55 (0.24-1.26)	0.23 (0.08-0.62)	0.34 (0.12-1.01)	0.58 (0.17-1.99)	-	0.028
Liver	1.00	0.41 (0.21-0.78)	0.55 (0.30-1.03)	0.66 (0.33-1.34)	0.64 (0.26-1.60)	0.53 (0.17-1.63)	0.79
Colon	1.00	0.70 (0.51-0.97)	0.62 (0.45-0.87)	0.82 (0.57-1.17)	0.70 (0.44-1.13)	0.68 (0.39-1.21)	0.42
Rectum	1.00	0.86 (0.51-1.46)	0.89 (0.52-1.52)	1.49 (0.85-2.61)	1.01 (0.47-2.16)	0.88 (0.35-2.25)	0.28
Prostate (male)	1.00	1.28 (0.94-1.74)	1.44 (1.04-2.00)	1.30 (0.86-1.96)	1.19 (0.64-2.21)	0.75 (0.30-1.91)	0.51
Breast (female)	1.00	1.24 (0.88-1.75)	1.02 (0.72-1.44)	0.99 (0.68-1.43)	0.99 (0.64-1.52)	0.86 (0.52-1.42)	0.070
Cervix (female)	1.00	0.93 (0.47-1.82)	0.85 (0.43-1.68)	0.76 (0.36-1.62)	1.03 (0.44-2.45)	0.16 (0.02-1.27)	0.21
Others	1.00	0.83 (0.71-0.98)	0.80 (0.68-0.95)	0.74 (0.61-0.90)	0.63 (0.48-0.83)	0.72 (0.52-1.00)	0.001

Adjusted for age, race, body mass index, systolic blood pressure, HbA1c, LDL cholesterol, triglycerides, type of insurance, family income, smoking, use of antihypertensive drugs, use of diabetes medications, and use of cholesterol-lowering agents.