

Appendix Table 3. Odds Ratio (95% CI) for Sub-Optimal Diabetes ABC Management by Food Security and Diet Quality

	Food Security & Diet Quality Categories (HEI-2015)^a			
	Food Secure & High Diet Quality (Q4)	Food Secure & Low/Moderate Diet Quality (Q1-3)	Food Insecure & High Diet Quality (Q4)	Food Insecure & Low/Moderate Diet Quality (Q1-3)
A1c ≥7.0%				
Unadjusted	1.00	1.31 (0.88, 1.96)	1.33 (0.75, 2.34)	1.71 (1.18, 2.48)
Model 1	1.00	1.21 (0.79, 1.86)	1.19 (0.69, 2.07)	1.71 (1.15, 2.56)
Model 2	1.00	1.22 (0.79, 1.89)	1.23 (0.70, 2.15)	1.82 (1.21, 2.73)
Model 3	1.00	1.24 (0.80, 1.90)	1.18 (0.67, 2.08)	1.86 (1.24, 2.78)
Model 4	1.00	1.30 (0.86, 1.97)	1.45 (0.82, 2.57)	1.82 (1.21, 2.75)
A1c ≥8.0%				
Unadjusted	1.00	1.48 (0.88, 2.47)	2.07 (1.08, 3.87)	2.36 (1.49, 3.73)
Model 1	1.00	1.30 (0.77, 2.19)	1.54 (0.80, 2.96)	1.93 (1.20, 3.09)
Model 2	1.00	1.29 (0.77, 2.14)	1.49 (0.78, 2.83)	1.86 (1.13, 3.06)
Model 3	1.00	1.30 (0.79, 2.17)	1.41 (0.75, 2.67)	1.89 (1.13, 3.15)
Model 4	1.00	1.50 (0.85, 2.64)	1.66 (0.91, 3.01)	2.22 (1.30, 3.79)
A1c ≥9.0%				
Unadjusted	1.00	1.19 (0.61, 2.33)	1.75 (0.81, 3.76)	2.28 (1.17, 4.43)
Model 1	1.00	0.98 (0.49, 1.92)	1.12 (0.52, 2.38)	1.65 (0.82, 3.30)
Model 2	1.00	0.96 (0.49, 1.88)	1.01 (0.46, 2.24)	1.50 (0.74, 3.06)
Model 3	1.00	0.98 (0.51, 1.90)	0.91 (0.41, 1.99)	1.51 (0.72, 3.16)
Model 4	1.00	1.14 (0.54, 2.40)	1.03 (0.45, 2.40)	1.71 (0.82, 3.57)
Blood Pressure ≥140/90 mmHg				
Unadjusted	1.00	0.82 (0.57, 1.18)	0.85 (0.52, 1.40)	0.96 (0.64, 1.44)
Model 1	1.00	0.86 (0.57, 1.30)	0.91 (0.53, 1.57)	1.02 (0.65, 1.61)
Model 2	1.00	0.85 (0.56, 1.27)	0.87 (0.51, 1.50)	0.95 (0.59, 1.55)
Model 3	1.00	0.84 (0.56, 1.26)	0.88 (0.51, 1.53)	0.96 (0.59, 1.55)
Model 4	1.00	0.89 (0.58, 1.36)	0.87 (0.51, 1.51)	0.98 (0.60, 1.60)
Blood Pressure ≥130/80 mmHg				
Unadjusted	1.00	0.99 (0.67, 1.47)	1.01 (0.58, 1.76)	0.99 (0.68, 1.46)
Model 1	1.00	1.04 (0.67, 1.63)	1.16 (0.65, 2.08)	1.08 (0.71, 1.65)
Model 2	1.00	1.04 (0.66, 1.63)	1.06 (0.57, 1.96)	0.96 (0.62, 1.47)
Model 3	1.00	1.04 (0.67, 1.64)	1.02 (0.56, 1.86)	0.97 (0.64, 1.47)
Model 4	1.00	1.08 (0.66, 1.75)	1.06 (0.59, 1.88)	0.94 (0.61, 1.43)
LDL-C ≥100 mg/dL				
Unadjusted	1.00	1.50 (0.80, 2.81)	2.12 (0.88, 5.13)	2.18 (1.23, 3.86)
Model 1	1.00	1.22 (0.65, 2.32)	1.61 (0.60, 4.29)	1.50 (0.83, 2.70)
Model 2	1.00	1.24 (0.66, 2.33)	1.35 (0.52, 3.48)	1.34 (0.75, 2.40)
Model 3	1.00	1.17 (0.63, 2.18)	1.18 (0.45, 3.12)	1.33 (0.74, 2.39)
Model 4	1.00	1.06 (0.56, 1.98)	0.96 (0.26, 2.58)	1.07 (0.53, 2.18)

LDL-C \geq130 mg/dL				
Unadjusted	1.00	1.36 (0.58, 3.17)	3.02 (0.92, 9.96)	1.67 (0.75, 3.71)
Model 1	1.00	1.01 (0.45, 2.28)	2.17 (0.61, 7.71)	1.07 (0.49, 2.36)
Model 2	1.00	1.03 (0.48, 2.20)	1.90 (0.50, 7.24)	1.03 (0.43, 2.47)
Model 3	1.00	1.02 (0.49, 2.11)	1.80 (0.47, 6.97)	1.05 (0.47, 2.37)
Model 4	1.00	1.00 (0.48, 2.10)	1.39 (0.34, 5.67)	0.73 (0.30, 1.75)
At least one elevated ABC (A1c \geq7.0, BP \geq130/80, LDL \geq100)				
Unadjusted	1.00	1.14 (0.52, 2.52)	2.60 (1.06, 6.41)	2.91 (1.26, 6.72)
Model 1	1.00	0.89 (0.39, 2.02)	1.95 (0.79, 4.85)	1.86 (0.79, 4.38)
Model 2	1.00	0.87 (0.38, 1.98)	1.75 (0.65, 4.68)	1.72 (0.75, 3.99)
Model 3	1.00	0.87 (0.38, 1.96)	1.63 (0.60, 4.37)	1.73 (0.74, 4.01)
Model 4	1.00	0.91 (0.38, 2.15)	1.63 (0.63, 4.24)	1.91 (0.69, 5.31)
At least one elevated ABC (A1c \geq8.0 and BP \geq140/90 and LDL \geq130)				
Unadjusted	1.00	1.10 (0.61, 1.96)	2.78 (1.41, 5.49)	1.54 (0.93, 2.56)
Model 1	1.00	0.99 (0.53, 1.84)	2.18 (1.06, 4.49)	1.28 (0.75, 2.16)
Model 2	1.00	0.97 (0.51, 1.82)	1.96 (0.93, 4.15)	1.20 (0.69, 2.07)
Model 3	1.00	0.98 (0.53, 1.81)	1.76 (0.83, 3.72)	1.23 (0.71, 2.14)
Model 4	1.00	1.06 (0.53, 2.09)	1.68 (0.77, 3.70)	1.25 (0.66, 2.34)

Model 1: adjusted for age, sex, race/ethnicity

Model 2: additionally adjusted for PIR, education, health insurance

Model 3: additionally adjusted for healthcare utilization (seeing physicians in past year, having HbA1c checked)

Model 4: additionally adjusted for smoking status, diabetes medications, blood pressure medication, cholesterol medication, BMI

^a Food insecurity is defined as marginal or low/very low food security; food secure is defined as full food security; Low/moderate diet quality is defined as HEI-2015 score in the 1st-3rd quartiles; High diet quality is defined as HEI-2015 in the 4th quartile

Boldface p-value indicates statistical significance of $p < 0.05$