Supplemental Digital Content 2. Covariates retained in backwards elimination

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| **Considered for all models** | Age, gender, ethnicity (Non-Hispanic White, Mexican American, Other Hispanic, Non-Hispanic Black), education (post high-school, year 12 or equivalent, < year 12), marital status (never married, married/living with partner, widowed/divorced/separated), family poverty income ratio, smoking, alcohol, total energy intake, saturated fat, diabetes, history of cardiovascular disease, cancer, family history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs, diabetes drugs, lipid-lowering drugs  |
| **Body mass index** | Age, gender, ethnicity, marriage, family poverty income ratio, smoking, alcohol, saturated fat, diabetes, history of cardiovascular disease, cancer, family history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs, diabetes drugs, lipid-lowering drugs |
| **Waist circumference**  | Age, gender, ethnicity, education, marriage, family poverty income ratio, smoking, alcohol, saturated fat, diabetes, cancer, family history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs, diabetes drugs, lipid-lowering drugs |
| **Systolic blood pressure** | Age, gender, ethnicity, marriage, family poverty income ratio, alcohol, saturated fat, diabetes, anti-hypertensive drugs, other cardiovascular drugs, lipid-lowering drugs |
| **Diastolic blood pressure** | Age, gender, ethnicity, education, marriage, family poverty income ratio, smoking, alcohol, history CVD, family history diabetes, other cardiovascular drugs, diabetes drugs |
| **C-reactive protein** | Age, gender, ethnicity, education, marriage, family poverty income ratio, smoking, total energy intake, saturated fat, diabetes, history of cardiovascular disease, family history diabetes, other cardiovascular drugs, diabetes drugs, lipid-lowering drugs |
| **HDL cholesterol** | Age, gender, ethnicity, education, marriage, family poverty income ratio, smoking, alcohol, saturated fat, diabetes, family history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs, diabetes drugs, lipid-lowering drugs |
| **Triglycerides** | Age, gender, ethnicity, education, marriage, family poverty income ratio, diabetes, family history of cardiovascular disease, family history diabetes, other cardiovascular drugs, diabetes drugs |
| **LDL cholesterol** | Age, gender, ethnicity, marriage, family poverty income ratio, smoking, history of cardiovascular disease, family history of cardiovascular disease, family history diabetes, other cardiovascular drugs, diabetes drugs, lipid-lowering drugs |
| **Fasting glucose** | Age, gender, ethnicity, education, alcohol, energy intake, saturated fat, diabetes, family history diabetes, other cardiovascular drugs |
| **Insulin** | Age, gender, ethnicity, education, family poverty income ratio, smoking, alcohol, saturated fat, diabetes, history of cardiovascular disease, cancer, family history diabetes, other cardiovascular drugs |
| **HOMA-%β** | Age, gender, ethnicity, education, family poverty income ratio, alcohol, saturated fat, diabetes, history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs |
| **HOMA-%S** | Age, gender, ethnicity, education, alcohol, saturated fat, diabetes, history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs |
| **2hr glucose**  | Age, gender, ethnicity, education, family poverty income ratio, smoking, energy intake, diabetes, history of cardiovascular disease, family history diabetes, anti-hypertensive drugs, other cardiovascular drugs, diabetes drugs |