

*Supplementary Material*

**Supplementary Table 1 Distributions of variables with missing data comparing observed complete case data to results from pooling the datasets with imputed variables from multiple imputation, *n* (%)**

| <b>Variables</b>         | <b>Number with missing data, <i>n</i> (%)</b> | <b>Complete case, mean <math>\pm</math> SD</b> | <b>Multiple imputation, mean <math>\pm</math> SD</b> | <b><i>P</i> value</b> |
|--------------------------|---|--|--|-----------------------|
| Poverty income ratio     | 249 (9.94)                                    | 2.3 $\pm$ 1.5                                  | 2.2 $\pm$ 1.5  | 0.713                 |
| BMI (kg/m <sup>2</sup> ) | 82 (3.27)                                     | 31.5 $\pm$ 6.8                                 | 31.5 $\pm$ 6.8                                       | 0.863                 |
| Education level          | 6 (0.24)                                      | 683 (27.3)                                     | 683 (27.3)   | 0.995                 |
| Low (< 9 years)          | -   | 1068 (42.7)                                    | 1074 (42.9)  | -                     |
| Medium (9-13 years)      | -   | 748 (29.9)                                     | 748 (29.9)   | -                     |
| High ( $\geq$ 13 years)  | -   | -  | -  | -                     |
| Smoking status           | 9 (0.36)                                      | -  | -  | 0.994                 |
| Never smoker             | -   | 1139 (45.6)                                    | 1144 (45.7)  | -                     |
| Former smoker            | -   | 877 (35.1)                                     | 877 (35)   | -                     |
| Current smoker           | -   | 480 (19.2)                                     | 484 (19.3)   | -                     |
| Alcohol intake           | 81 (3.23)                                     | -  | -  | 0.998                 |
| None                     | -   | 2025 (83.5)                                    | 2094 (83.6)  | -                     |
| Moderate                 | -   | 183 (7.5)                                      | 188 (7.5)  | -                     |
| Heavy                    | -   | 216 (8.9)                                      | 223 (8.9)  | -                     |
| Physical activity        | 1 (0.04)                                      | -  | -  | 0.992                 |
| Inactive                 | -   | 869 (34.7)                                     | 869 (34.7)   | -                     |
| Active                   | -   | 1635 (65.3)                                    | 1636 (65.3)  | -                     |
| Diabetes duration        | 793 (31.66)                                   | -  | -  | 0.493                 |
| < 10 years               | -   | 1115 (65.1)                                    | 1657 (66.1)  | -                     |
| $\geq$ 10 years          | -   | 597 (34.9)                                     | 848 (33.9)   | -                     |
| ACR category             | 12 (0.48)                                     | -  | -  | 0.946                 |
| A1 (< 30 mg/g)           | -   | 1756 (70.4)                                    | 1758 (70.2)  | -                     |

|  |           |                 |                 |       |
|--|-----------|-----------------|-----------------|-------|
| A2 (30-300 mg/g)                       | -         | 596 (23.9)      | 600 (24)        | -     |
| A3 ( $\geq 300$ mg/g)                  | -         | 141 (5.7)       | 147 (5.9)       | -     |
| Healthy eatig index                    | 84 (3.35) | 52.8 $\pm$ 13.1 | 52.8 $\pm$ 13.1 | 0.875 |
| eGFR- (mL/minute/1.73 m <sup>2</sup> ) | 4 (0.16)  | 88.4 $\pm$ 21.6 | 88.4 $\pm$ 21.6 | 0.996 |

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BMI: Body mass index; ACR: Albumin-to-creatinine ratio; eGFR: Estimated glomerular filtration rate.

**Supplementary Table 2 Association between hs-troponin T and diabetic kidney disease in patients with type 2 diabetes mellitus after excluding data for high-sensitivity troponin T < limit of detection (*n* = 93)**

| Variable                | Deaths/total, <i>n</i> | Non-adjusted model, HR (95%CI) | <i>P</i> value | Model I, HR, (95%CI) | <i>P</i> value | Model II, HR (95%CI) | <i>P</i> value | Model III, HR (95%CI) | <i>P</i> value |
|-------------------------|------------------------|--------------------------------|----------------|----------------------|----------------|----------------------|----------------|-----------------------|----------------|
| Continuous variable     |                        |                                |                |                      |                |                      |                |                       |                |
| Hs-troponin T (ng/L)    | 887/2412               | 1.11 (1.06-1.16)               | < 0.0001       | 1.11 (1.05-1.17)     | < 0.001        | 1.08 (1.02-1.15)     | 0.020          | 1.06 (1.00-1.13)      | 0.040          |
| Binary variable         |                        |                                |                |                      |                |                      |                |                       |                |
| Quintile 1 (3.0-6.17)   | 228/804                | Ref                            | -              | Ref                  | -              | Ref                  | -              | Ref                   | -              |
| Quintile 2 (6.18-9.96)  | 265/805                | 1.53 (0.97-2.40)               | 0.064          | 1.49 (0.91-2.44)     | 0.110          | 1.28 (0.79-2.06)     | 0.296          | 1.19 (0.73-1.92)      | 0.468          |
| Quintile 3 (9.97-21.88) | 394/803                | 2.92 (1.82-4.69)               | < 0.0001       | 2.79 (1.64-4.76)     | < 0.001        | 2.25 (1.19-4.25)     | 0.015          | 1.97 (1.09-3.54)      | 0.026          |
| <i>P</i> for trend      | -                      | -                              | < 0.0001       | -                    | < 0.001        | -                    | 0.015          | -                     | 0.027          |

Model I: Adjusted for age (continuous), sex (male or female); Model II: Adjusted for Model I plus race (Mexican American, non-Hispanic white, non-Hispanic black, other Hispanic, other races including multi-racial), education level (< 9, 9-13, ≥

13), body mass index (continuous), poverty income ratio (continuous), smoking status (never smoker, former smoker, current smoker), hypertension (no, yes), cardiovascular disease (no, yes), hyperlipidemia (no, yes), physical activity (inactive, active), alcohol intake (none, moderate, heavy), estimated glomerular filtration rate (continuous); Model III: Adjusted for Model II plus diabetes duration (< 10 years, ≥10 years), use of diabetes medications (no, other, insulin, oral medications), healthy eating index (continuous), glycated hemoglobin A1c (continuous); BMI: Body mass index; CVD: Cardiovascular disease; eGFR: Estimated glomerular filtration rate; HEI: Healthy eating index; HbA1c: Glycated hemoglobin A1c; HR: Hazard ratio; CI: Confidence interval.