Supplementary Table 3. Association between SBP and the secondary outcomes according to each follow-up period with the Cox model with baseline covariables, the time-dependent Cox model, and MSM

| Variable | Continuous model Categorical model (mmHg) | | | | | |
|-----------------------------|---|--------------------------------|-------------------------|-------------------------|-------------------------|----------------------|
| | Per 10 mmHg increase | <110 (n = 26,673) | 110-119 (n = 47,366) | 120-129 (n = 48,745) | 130-139 (n = 47,150) | ≥140 (n = 26,036) |
| Secondary outcome | e 1 (eGFR to <60 mL | /min/1.73 m ² twice | e) | | | |
| Follow-up of 3 years | 3 | | | | | |
| Events | 1,907 (1.0) | 110 (0.4) | 351 (0.7) | 390 (0.8) | 581 (1.2) | 475 (1.8) |
| Cox model | 1.06 (1.03-1.09) | 0.84 (0.68-1.04) | 1.12 (0.97-1.29) | Reference | 1.12 (0.99-1.28) | 1.23 (1.07-1.41) |
| Time-dependent Cox model | 1.07 (1.05-1.10) | 0.90 (0.74-1.08) | 1.11 (0.97-1.26) | Reference | 1.17 (1.04-1.31) | 1.32 (1.17-1.49) |
| MSM | 1.24 (1.21-1.27) | 0.64 (0.55-0.76) | 0.87 (0.77-0.99) | Reference | 1.25 (1.12-1.41) | 1.99 (1.77-2.25) |
| Follow-up of 4 years | 5 | | | | | |
| Events | 2,194 (1.1) | 132 (0.5) | 398 (0.8) | 461 (1.0) | 660 (1.4) | 543 (2.1) |
| Cox model | 1.05 (1.02-1.08) | 0.86 (0.70-1.04) | 1.07 (0.93-1.22) | Reference | 1.08 (0.96-1.22) | 1.19 (1.05-1.35) |
| Time-dependent Cox model | 1.08 (1.05-1.10) | 0.90 (0.74-1.08) | 1.12 (0.99-1.28) | Reference | 1.18 (1.05-1.32) | 1.33 (1.19-1.50) |
| MSM | 1.22 (1.20-1.26) | 0.65 (0.55-0.77) | 0.87 (0.77-0.99) | Reference | 1.24 (1.10-1.39) | 1.94 (1.72-2.18) |
| Follow-up of 5 years | 3 | | | | | |
| Events | 2,446 (1.2) | 147 (0.6) | 440 (0.9) | 514 (1.1) | 738 (1.6) | 607 (2.3) |
| Cox model | 1.05 (1.03-1.08) | 0.85 (0.71-1.03) | 1.05 (0.93-1.20) | Reference | 1.08 (0.96-1.21) | 1.19 (1.06-1.34) |
| Time-dependent Cox model | 1.08 (1.05-1.10) | 0.90 (0.75-1.08) | 1.13 (0.99-1.28) | Reference | 1.18 (1.05-1.32) | 1.34 (1.19-1.51) |
| MSM | 1.23 (1.20-1.26) | 0.67 (0.57-0.79) | 0.87 (0.77-0.98) | Reference | 1.22 (1.09-1.37) | 1.91 (1.70-2.15) |
| Secondary outcome | e 2 (a newly develope | ed proteinuria twice) | | | | |
| Follow-up of 3 years | 3 | | | | | |
| Events | 714 (0.4) | 41 (0.2) | 122 (0.3) | 158 (0.3) | 219 (0.5) | 174 (0.7) |
| Cox model | 1.08 (1.06-1.11) | 0.76 (0.63-0.92) | 1.05 (0.93-1.19) | Reference | 1.16 (1.04-1.30) | 1.31 (1.16-1.47) |
| Time-dependent Cox model | 1.16 (1.12-1.21) | 0.64 (0.47-0.86) | 0.83 (0.68-1.02) | Reference | 1.10 (0.92-1.31) | 1.49 (1.24-1.80) |
| MSM | 1.11 (1.07-1.15) | 0.88 (0.71-1.09) | 0.86 (0.71-1.03) | Reference | 1.06 (0.89-1.26) | 1.30 (1.07-1.58) |
| Follow-up of 4 years | 5 | | | | | |
| Events | 866 (0.4) | 53 (0.2) | 152 (0.3) | 199 (0.4) | 258 (0.6) | 204 (0.8) |
| Cox model | 1.08 (1.06-1.11) | 0.78 (0.66-0.92) | 1.00 (0.89-1.13) | Reference | 1.12 (1.01-1.24) | 1.26 (1.13-1.41) |
| Time-dependent Cox model | 1.17 (1.12-1.22) | 0.61 (0.45-0.82) | 0.83 (0.68-1.01) | Reference | 1.07 (0.90-1.27) | 1.48 (1.23-1.78) |
| MSM | 1.10 (1.06-1.15) | 0.87 (0.71-1.08) | 0.84 (0.70-1.01) | Reference | 1.04 (0.87-1.23) | 1.25 (1.03-1.51) |
| Follow-up of 5 years | 5 | | | | | |
| Events | 987 (0.5) | 62 (0.2) | 174 (0.4) | 223 (0.5) | 297 (0.6) | 231 (0.9) |
| Cox model | 1.08 (1.06-1.11) | 0.78 (0.67-0.91) | 1.00 (0.90-1.11) | Reference | 1.13 (1.02-1.24) | 1.27 (1.15-1.41) |
| Time-dependent Cox model | 1.17 (1.12-1.22) | 0.60 (0.45-0.80) | 0.82 (0.67-0.99) | Reference | 1.07 (0.90-1.27) | 1.46 (1.22-1.76) |
| MSM | 1.10 (1.06-1.15) | 0.85 (0.69-1.05) | 0.82 (0.69-0.98) | Reference | 1.02 (0.86-1.21) | 1.21 (1.00-1.46) |

Data are expressed as number (%) or hazard ratio (95% confidence interval). SBP was treated as the summarized average value over the observation period.

eGFR, estimated glomerular filtration rate; MSM, marginal structural model; SBP, systolic blood pressure.