**Supplementary T5 Threshold effect analysis of the relationship of bicarbonate with 30-day mortality.**

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| Outcome | HR (95% CI) | *p*-value |
| Bicarbonate <25.67 | 0.831 (0.783,0.881) | < 0.001 |
| Bicarbonate ≥25.67 | 1.023 (0.803,1.304) | 0.8515 |
| Likelihood Ratio test |  | 0.048 |

The age, sex, and ethnicity are adjusted. HR, hazard ratio; CI, confidence interval.