

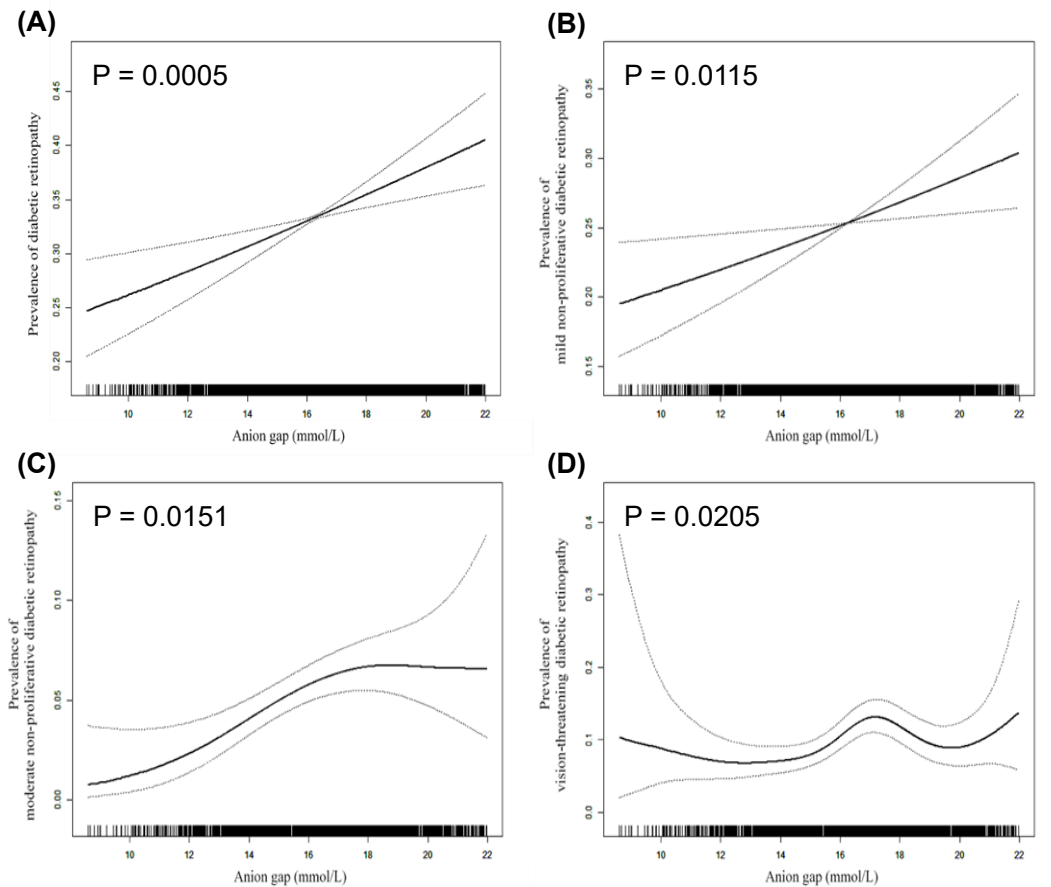


Figure S2. Multivariate smoothing spline plots of DR prevalence by serum AG levels.

Legend: AG, anion gap; DR, diabetic retinopathy; NPDR, non-proliferative diabetic retinopathy; VTDR, vision-threatening diabetic retinopathy. The smooth curve-fitting was adjusted by confounding factors in model 3, included gender, age, duration of diabetes, antidiabetic agents, SBP, PP, height, smoker, drinker, HbA1c,  $Mg^{2+}$ , HOMA-IR and eGFR. Black lines represented the predicted odds and dashed lines represented 95% confidence limits. Figure (A) illustrated the relationship between the risk of any-severity of DR and serum AG. Figure (B), (C) and (D) illustrated the relationships between the risk of DR

in different levels and serum AG, included mild NPDR, moderate NPDR and VTDR.