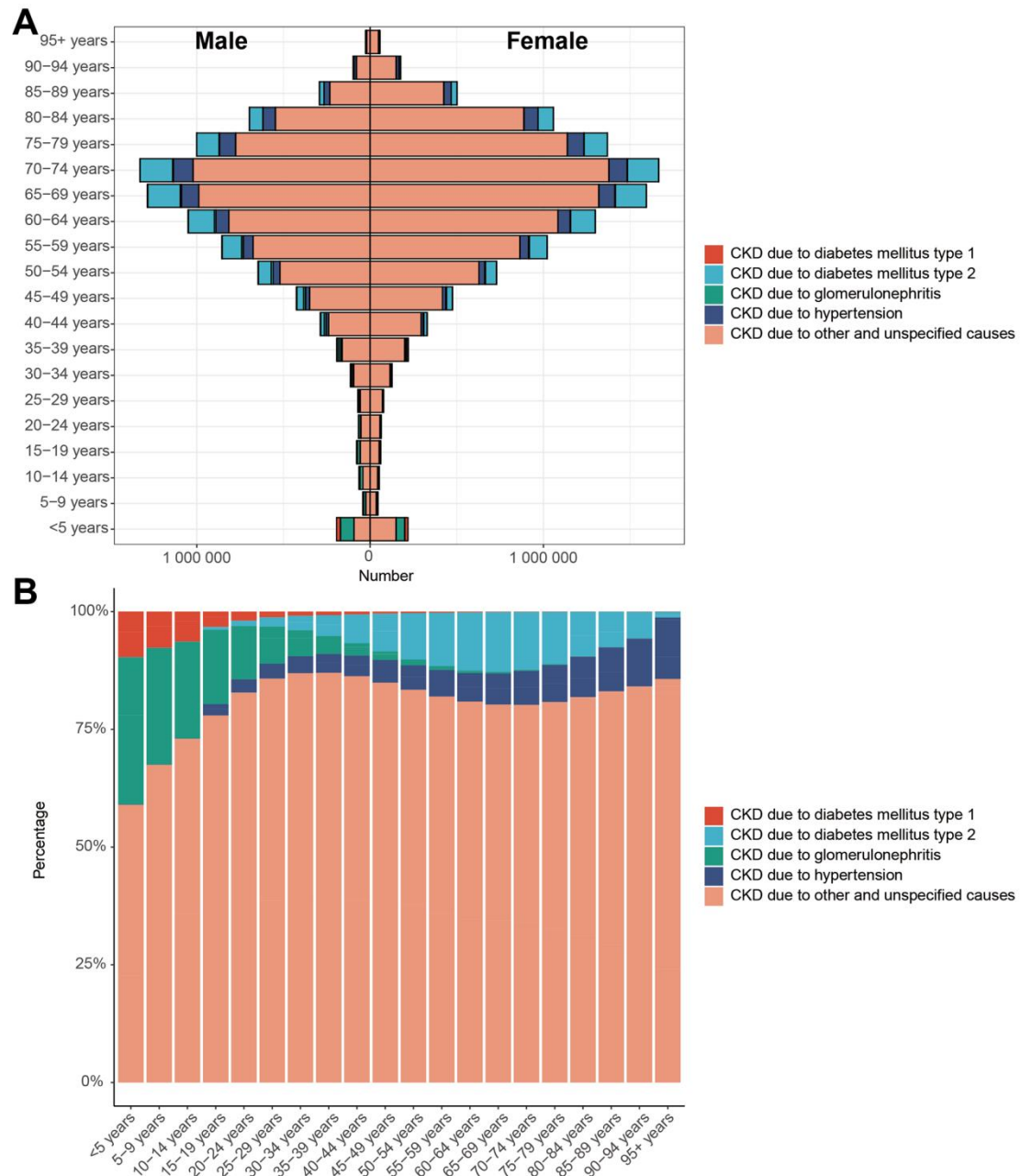




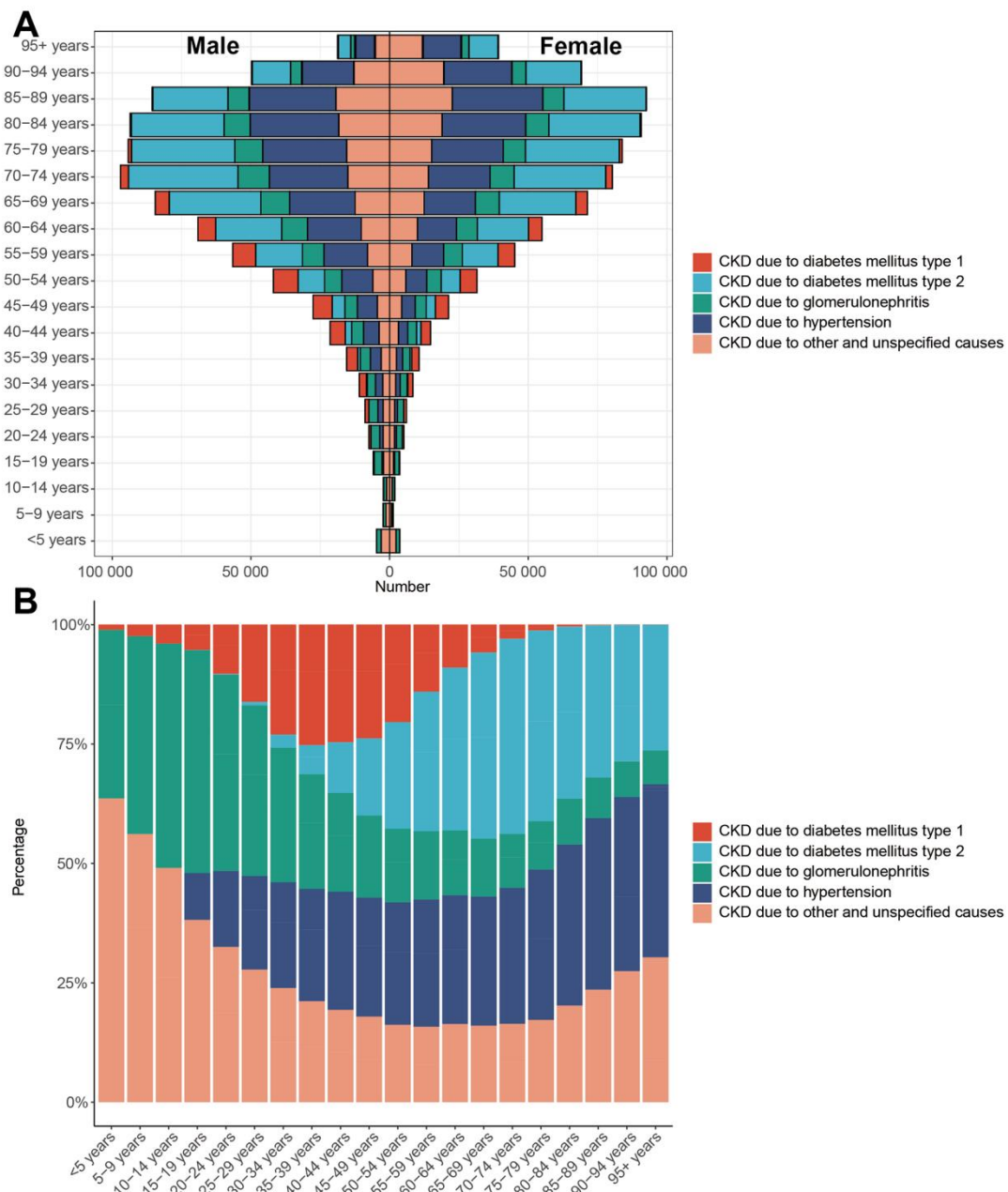
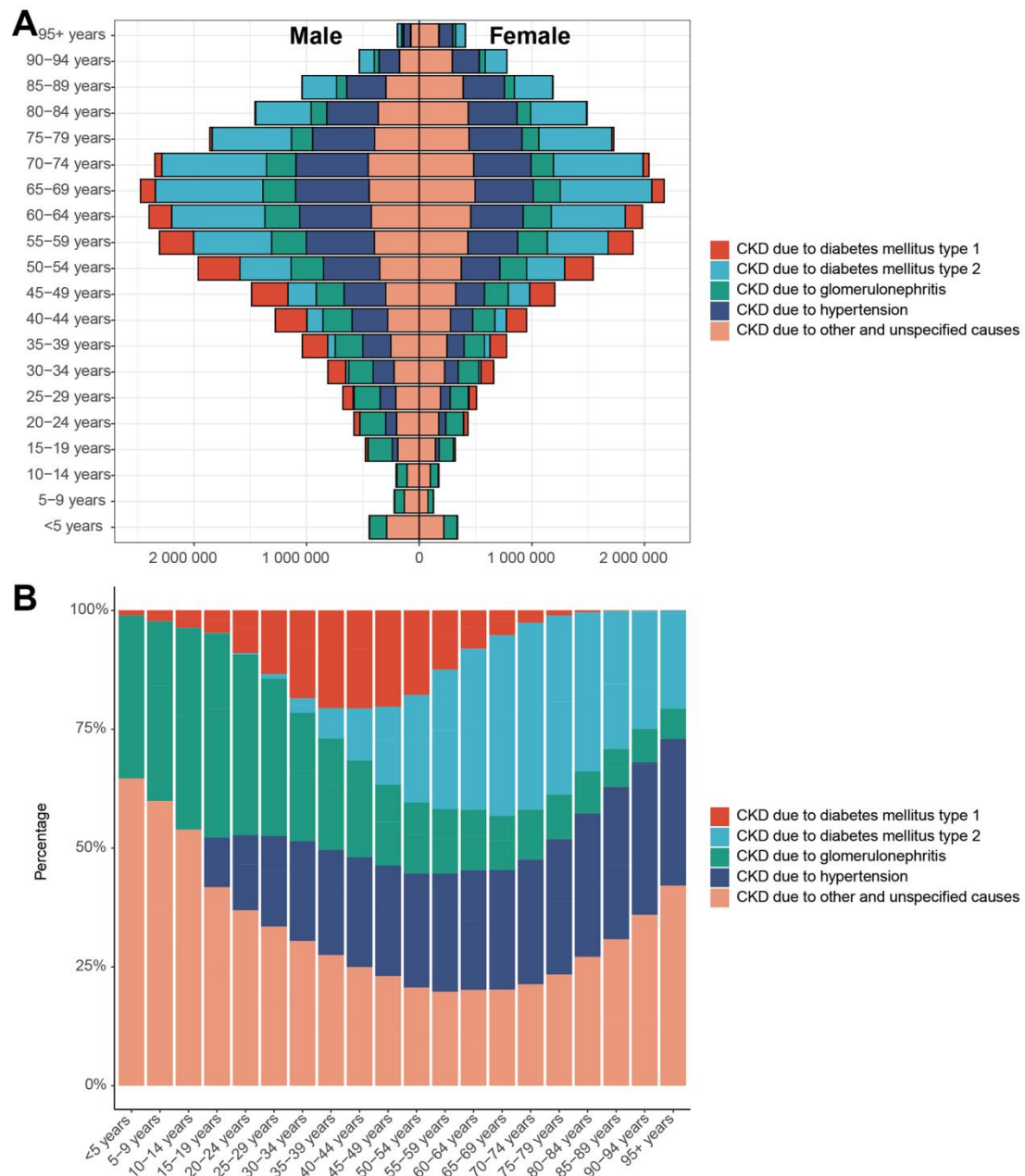


Figure.S2 The mortality differences in five causes of CKD by age and gender in 2021
(A) The number of the mortality differences in five causes of CKD by age and gender.
(B) Percentage in age for five causes of CKD.



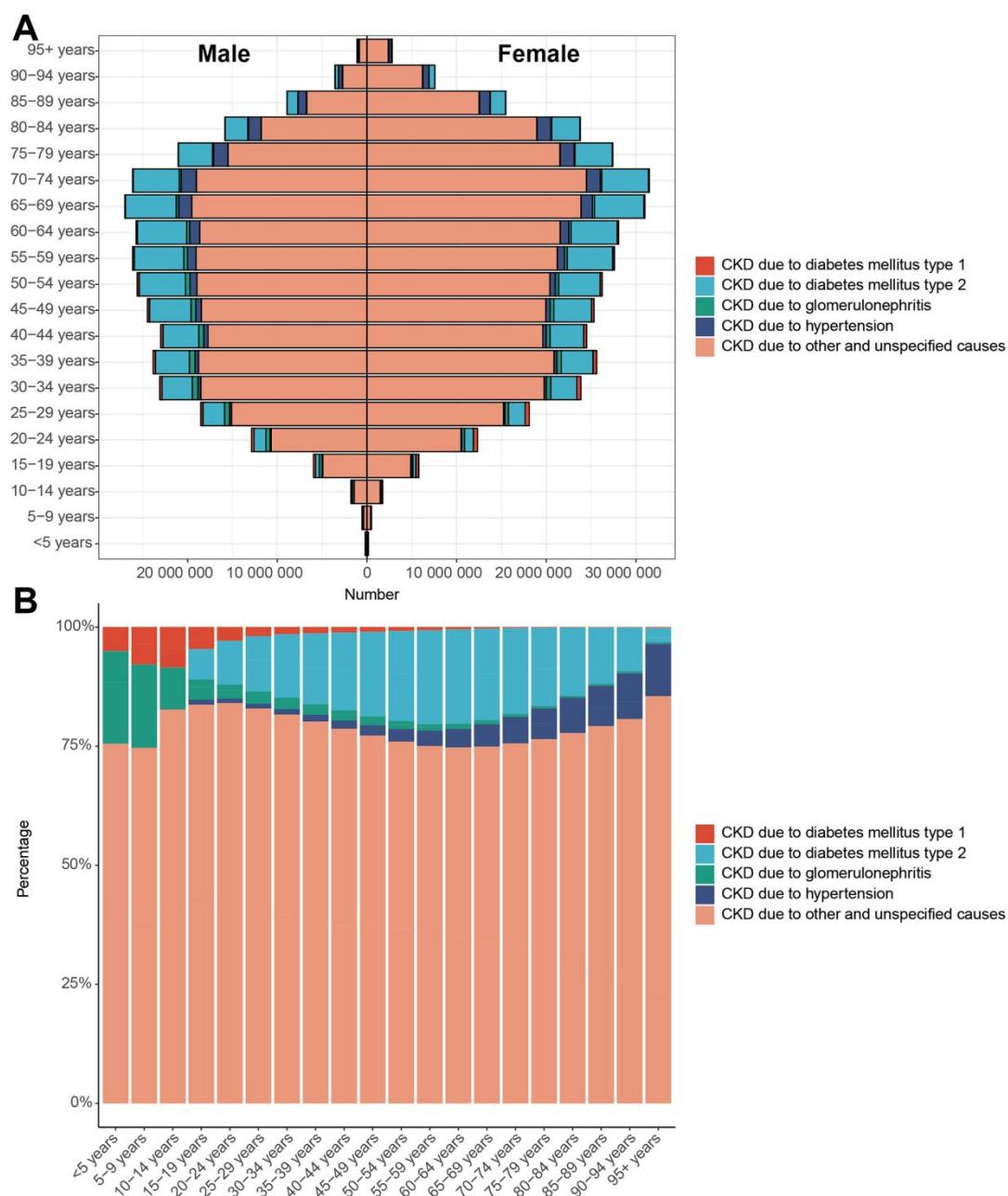


Figure.S4 The prevalence differences in five causes of CKD by age and gender in 2021

(A) The number of the prevalence differences in five causes of CKD by age and gender.

(B) Percentage in age for five causes of CKD.

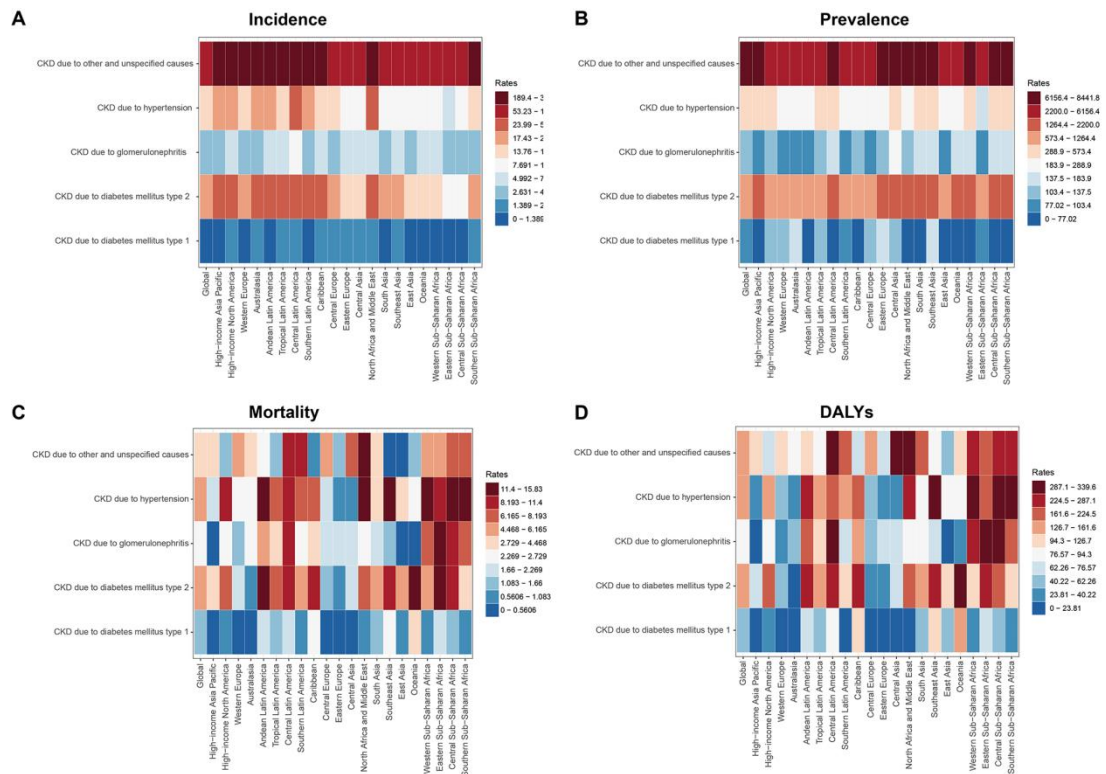


Figure.S5 The differences in five causes of CKD by 21 regions in 2021
 (A) Incidence differences in five causes of CKD by 21 regions. (B) Prevalence differences in five causes of CKD by 21 regions. (C) Mortality differences in five causes of CKD by 21 regions. (D) DALYs differences in five causes of CKD by 21 regions.

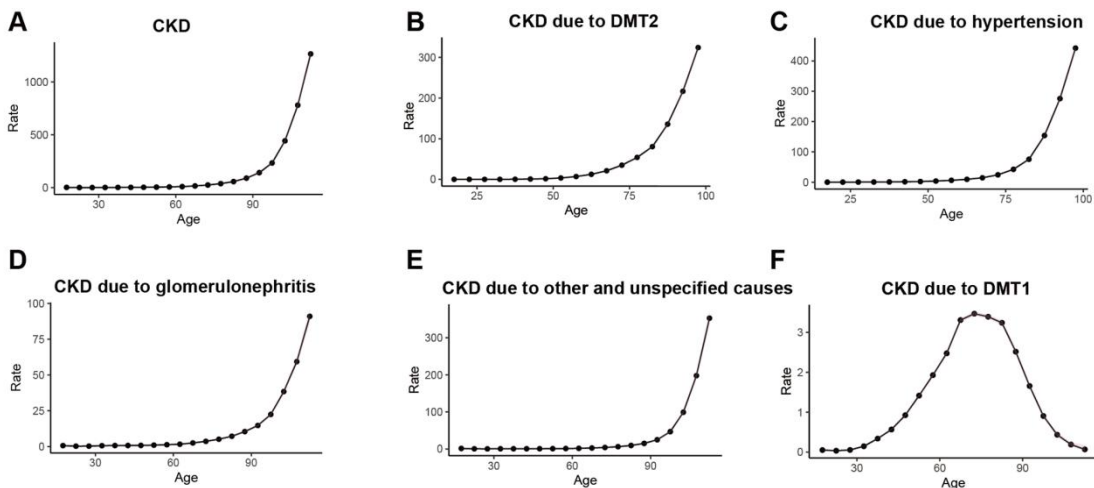


Figure.S6 Parameter estimates of age effects on CKD and five causes of CKD mortality rate, globally, from 1992 to 2021

(A) Fitted longitudinal age curves of CKD mortality (per 100,000 person/year). (B) Fitted longitudinal age curves of CKD due to DMT2 mortality (per 100,000 person/year). (C) Fitted longitudinal age curves of CKD due to hypertension mortality (per 100,000 person/year). (D) Fitted longitudinal age curves of CKD due to glomerulonephritis mortality (per 100,000 person/year). (E) Fitted longitudinal age

curves of CKD due to others and unspecified causes mortality (per 100000 person/year). (F) Fitted longitudinal age curves of CKD due to DMT1 mortality (per 100,000 person/year).

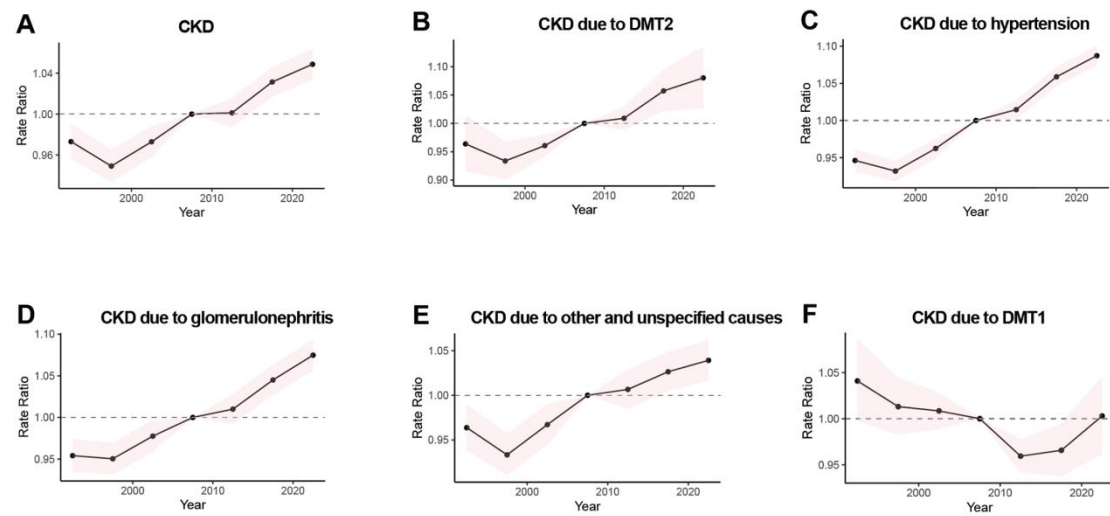


Figure.S7 Parameter estimates of period effects on CKD and five causes of CKD mortality rate, globally, from 1992 to 2021

(A) CKD's relative risk of each period compared with the reference(1995–2020) adjusted for age and nonlinear cohort effects and the corresponding 95% CI. (B) CKD due to DMT2's relative risk of each period. (C) CKD due to hypertension's relative risk of each period. (D) CKD due to glomerulonephritis's relative risk of each period. (E) CKD due to other and unspecified causes's relative risk of each period. (F) CKD due to DMT1's relative risk of each period. The values were >0 , indicating substantial increases in mortality across the study period. The values were <0 , indicating substantial reductions in mortality across the study period.

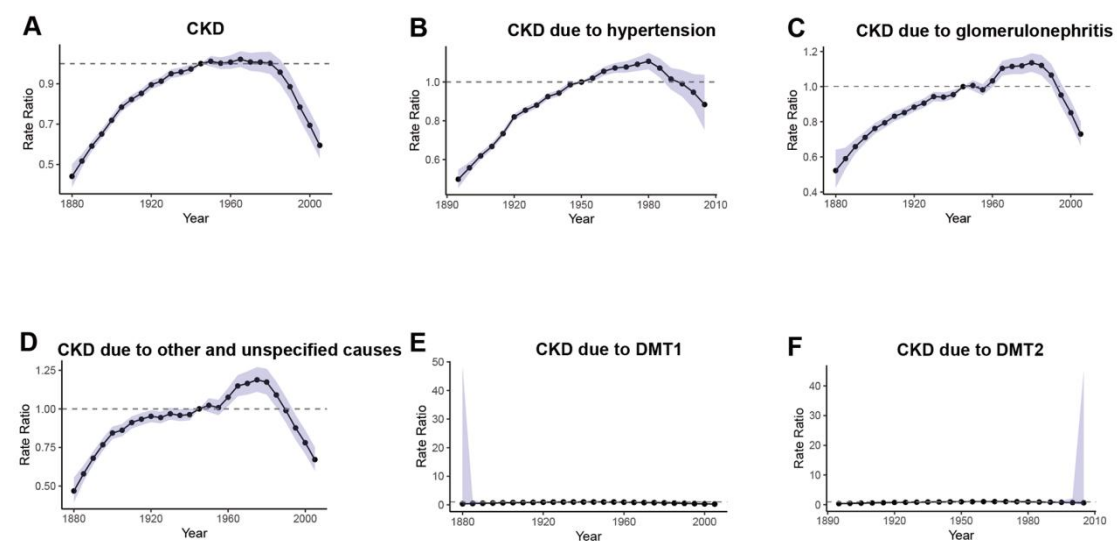


Figure.S8 Parameter estimates of period effects on CKD and five causes of CKD

mortality rate, globally, from 1992 to 2021

(A) CKD's relative risk of each cohort compared with the reference(cohort 1980–2010) adjusted for age and nonlinear period effects and the corresponding 95% CI(some were too narrow to show). (B) CKD due to hypertension's relative risk of each cohort. (C) CKD due to glomerulonephritis's relative risk of each period. (D) CKD due to other and unspecified causes's relative risk of each cohort. (E) CKD due to DMT1's relative risk of each period. (F)CKD due to DMT2's relative risk of each period. The values were >0 , indicating substantial increases in mortality across the study period. The values were <0 , indicating substantial reductions in mortality across the study period.