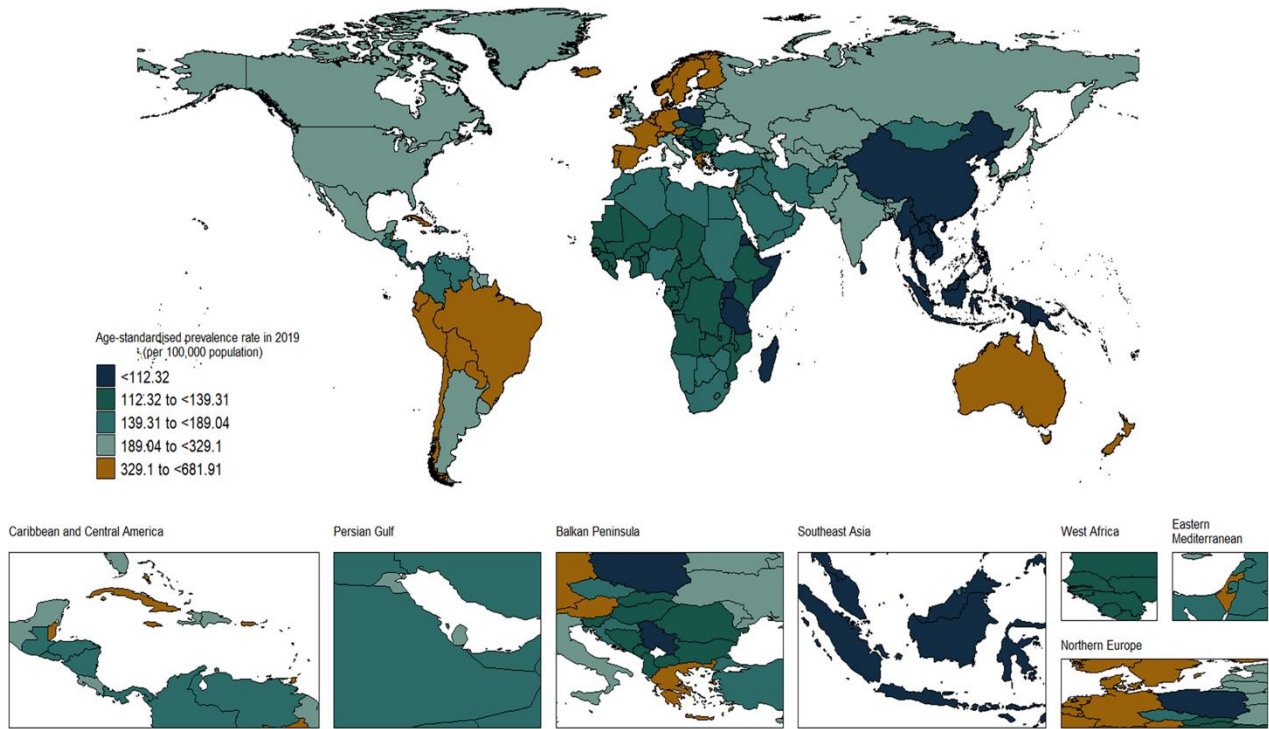


Supplementary Materials

1. Supplementary Figure

(A)



(B)

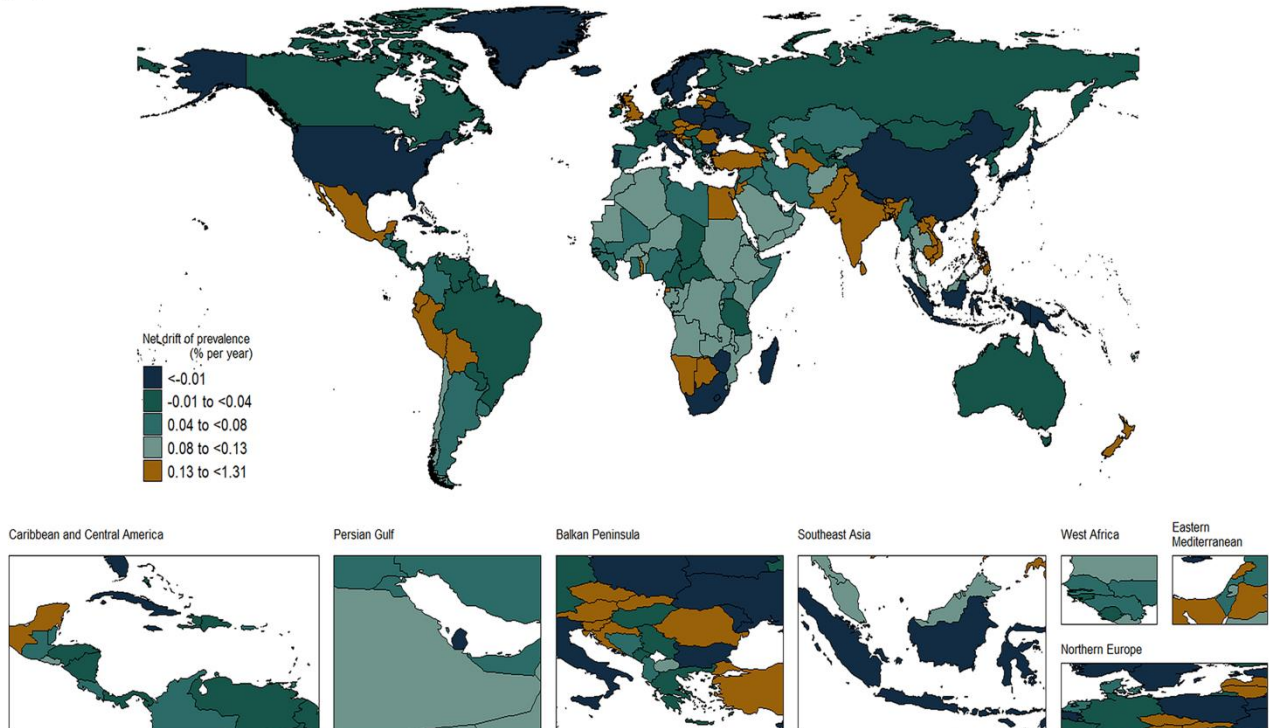


Figure S1 The age-standardised prevalence rate in 2019 and net drift of prevalence from 1990 to 2019 for UTIs in WCBA in 204 countries and territories. (A)World map of the age-standardised prevalence rate in 2019 for UTIs in WCBA. (B) World map of the net drift of

prevalence from 1990 to 2019 for UTIs in WCBA. UTIs, urinary tract infections; WCBA, women of childbearing age.

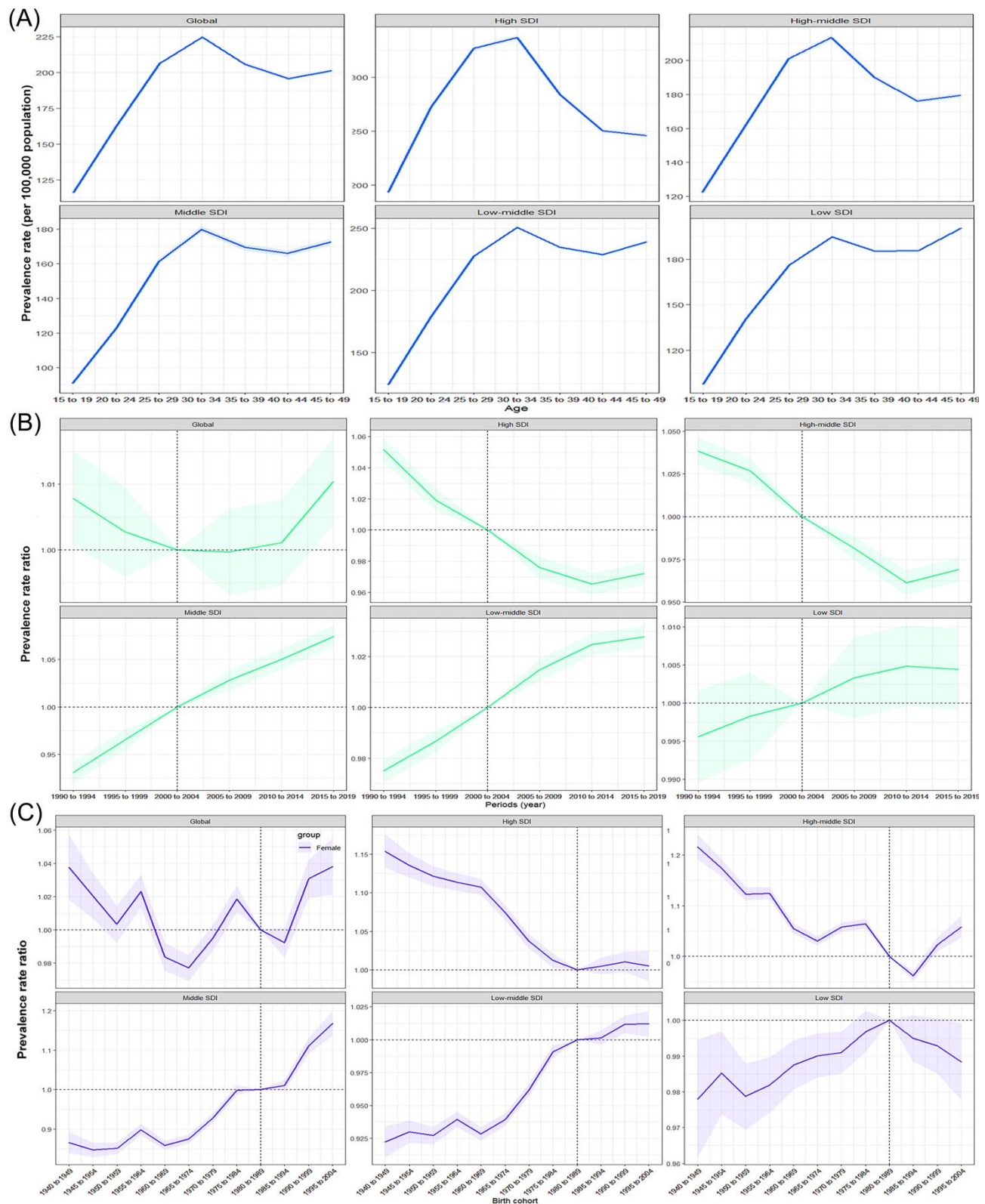


Figure S2 Age, period and birth cohort effects on UTIs prevalence in WCBA across SDI quintiles. (A) Age effects are illustrated by the fitted longitudinal age-specific rates for a given number of birth cohorts adjusted for period deviations. (B) Period effects are illustrated by the period

relative risk of prevalence (prevalence rate ratio) and calculated as the ratio of age-specific rates from 1990-1994 period to 2015-2019 period, with the reference period set at 2000-2004. (C) Birth cohort effects are illustrated by the cohort relative risk of prevalence (prevalence rate ratio) and calculated as the ratio of age-specific rates from 1940-1949 cohort to 1995-2004 cohort, with the reference cohort set at 1980-1989. The dots and shaded areas denote the prevalence rates or rate ratios and their corresponding 95% CIs. UTIs, urinary tract infections; SDI, sociodemographic index; WCBA, women of childbearing age.

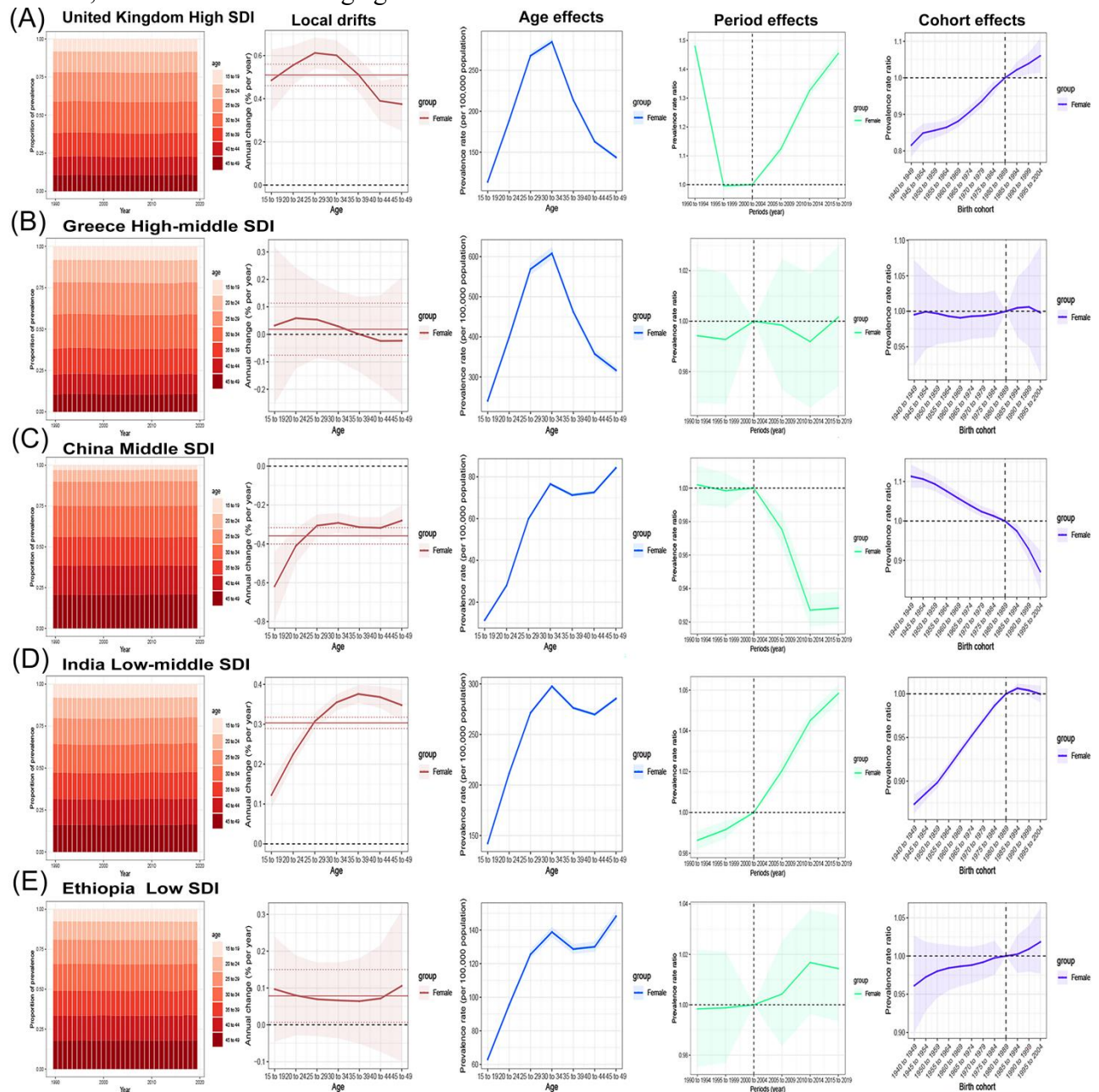


Figure S3 Age, period and birth cohort effects on UTIs prevalence in WCBA in exemplary countries. (A) United Kingdom; (B) Greece; (C) China; (D) India, and (E) Ethiopia UTIs, urinary tract infections; SDI, sociodemographic index; WCBA, women of childbearing age.

2. Supplementary Table

Table S1 Trends in urinary tract infections prevalence in women of childbearing age (WCBA) across SDI quintiles, 1990–2019.

	Global		High SDI		High-middle SDI		Middle SDI		Low-middle SDI		Low SDI	
	1990	2019	1990	2019	1990	2019	1990	2019	1990	2019	1990	2019
WCBA												
Population												
	1337.90											
	(1309.7	1945.35										
N * 10 ⁶	8,	(1880.78,	211.69	227.48	297.93	354.44	443.86	624.87	266.70	465.26	117.01	272.17
	1365.79	2010.24)										
	)											
Percentage of global level (%)	100	100	15.82	11.69	22.27	18.22	8.75	13.99	33.18	23.92	19.93	32.12
Prevalence												
	2.48	3.71	0.63	0.62	0.55	0.63	0.59	1.04	0.52	0.99	0.18	0.43
N * 10 ⁶	(2.08,	(3.11,	(0.53,	(0.52,	(0.46,	(0.53,	(0.50,	(0.87,	(0.43,	(0.82,	(0.15,	(0.36,
	2.86)	4.28)	0.73)	0.70)	0.63)	0.73)	0.68)	1.20)	0.60)	1.14)	0.22)	0.51)
Percentage of global level (%)	100	100	25.45	16.61	22.18	17.08	23.93	27.97	20.98	22.64	7.40	11.64
Percentage change of prevalence, 1990–2019 (%)	49.81 (41.60, 57.16)		-2.22 (-4.39, -1.34)		15.35 (12.65, 18.26)		75.10 (75.14, 75.51)		90.27 (89.49, 90.56)		135.81 (113.65, 159.92)	
Age-standardised prevalence rate												
Rate per 100,000	188.74	189.28	294.76	269.58	184.57	175.34	139.76	163.26	202.93	214.90	164.01	166.21
	(146.59,	(146.75,	(230.35,	(213.70,	(143.61,	(136.43,	(107.94,	(126.17,	(155.48,	(164.91,	(124.18,	(125.80,
	239.32)	238.72)	371.14)	333.75)	234.57)	221.62)	177.91)	206.03)	260.00)	273.99)	212.13)	214.06)
APC model estimates												
Net drift of prevalence (%) per year)	0.004 (-0.018 to 0.027)		-0.331 (-0.354 to -0.308)		-0.320 (-0.344 to -0.295)		0.570 (0.533 to 0.606)		0.225 (0.210 to 0.239)		0.038 (0.018 to 0.057)	

Parentheses for GBD estimates denote 95% uncertainty intervals and parentheses for net drift denote 95% CIs.

APC, age period cohort; GBD, Global Burden of Diseases; SDI, sociodemographic index; WCBA, women of childbearing age.