

Figure legends for supplementary figures

Figure S1. local drifts of PCOS incidence in All SDI Countries, 1990-2021.
(FS1A) local drifts of PCOS incidence in High SDI Countries, 1990-2021.
(FS1B) local drifts of PCOS incidence in High-middle SDI Countries, 1990-2021.
(FS1C) local drifts of PCOS incidence in Middle SDI Countries, 1990-2021.
(FS1D) local drifts of PCOS incidence in Low-middle SDI Countries, 1990-2021.
(FS1E) local drifts of PCOS incidence in Low SDI Countries, 1990-2021.
The dots and shaded areas indicate the values of local drift (annual percentage change in incidence) and its 95% UI for PCOS in 9 age groups (10~14 to 50-54 years).
SDI=Socio-demographic Index. PCOS= Polycystic ovary syndrome.

Figure S2. Age distribution of incidence from PCOS in All SDI countries, 1990-2021.
(FS2A) Age distribution of PCOS incidence in High SDI Countries, 1990-2021.
(FS2B) Age distribution of PCOS incidence in High-middle SDI Countries, 1990-2021.
(FS2C) Age distribution of PCOS incidence in Middle SDI Countries, 1990-2021.
(FS2D) Age distribution of PCOS incidence in Low-middle SDI Countries, 1990-2021.
(FS2E) Age distribution of PCOS incidence in Low SDI Countries, 1990-2021.
Age distribution of incidence is represented as temporal change in the relative proportion of incidence across age groups (10-14, 15-19, 20-24, 25-29, ..., 45-49, 50-54 years) during 1990-2021.
SDI=Socio-demographic Index. PCOS= Polycystic ovary syndrome.

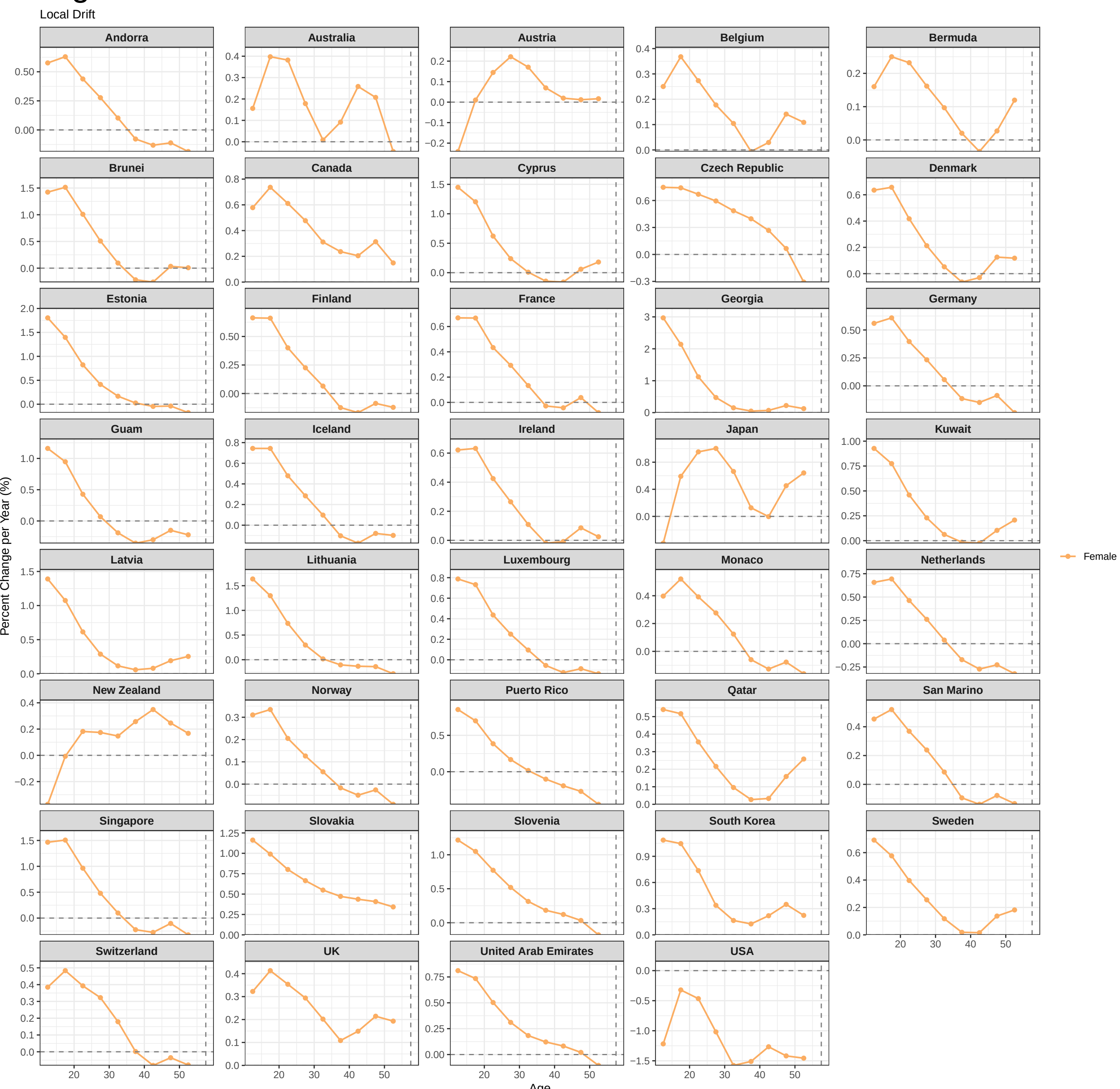
Figure S3. Age effects on PCOS incidence in All SDI countries.
(FS3A) Age effects of PCOS incidence in High SDI Countries.
(FS3B) Age effects of PCOS incidence in High-middle SDI Countries.
(FS3C) Age effects of PCOS incidence in Middle SDI Countries.
(FS3D) Age effects of PCOS incidence in Low-middle SDI Countries.
(FS3E) Age effects of PCOS incidence in Low SDI Countries.
Age effects indicate age-associated natural history and are shown by the fitted longitudinal age curves of incidence (per 100000 person-years) adjusted for period deviations, with the dots denoting incidence rates with 95% UI.
SDI=Socio-demographic Index. PCOS= Polycystic ovary syndrome.

Figure S4. Period effects on PCOS incidence in All SDI countries.
(FS4A) Period effects of PCOS incidence in High SDI Countries.
(FS4B) Period effects of PCOS incidence in High-middle SDI Countries.
(FS4C) Period effects of PCOS incidence in Middle SDI Countries.
(FS4D) Period effects of PCOS incidence in Low-middle SDI Countries.
(FS4E) Period effects of PCOS incidence in Low SDI Countries.
Period effects are shown by the relative risk of incidence (incidence rate ratio) for each period from 1990-1994 to 2015-2019, with the dots and shaded areas representing rate ratios and 95% UI for a given period relative to the referent period (2000-2004).
SDI=Socio-demographic Index. PCOS= Polycystic ovary syndrome.

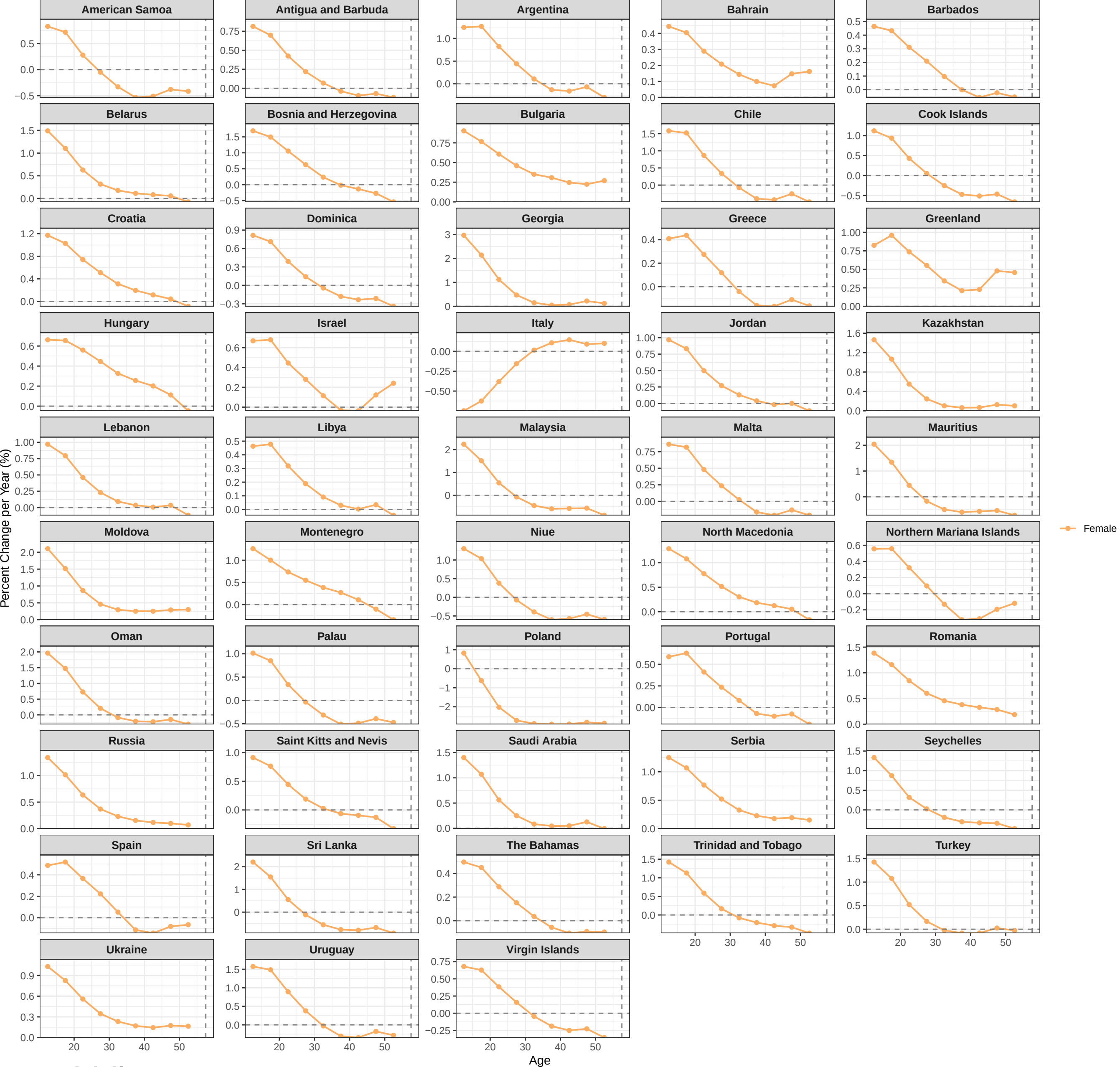
Figure S5. Cohort effects on PCOS incidence in All SDI countries.
(FS5A) Cohort effects of PCOS incidence in High SDI Countries.
(FS5B) Cohort effects of PCOS incidence in High-middle SDI Countries.
(FS5C) Cohort effects of PCOS incidence in Middle SDI Countries.
(FS5D) Cohort effects of PCOS incidence in Low-middle SDI Countries.
(FS5E) Cohort effects of PCOS incidence in Low SDI Countries.
Cohort effects are shown by the relative risk of incidence (incidence rate ratio) for each birth cohort from 1940 to 2005, with the dots and shaded areas represent rate ratios and 95% UI for a given cohort relative to the referent 1970 cohort.
SDI=Socio-demographic Index. PCOS= Polycystic ovary syndrome.

High SDI

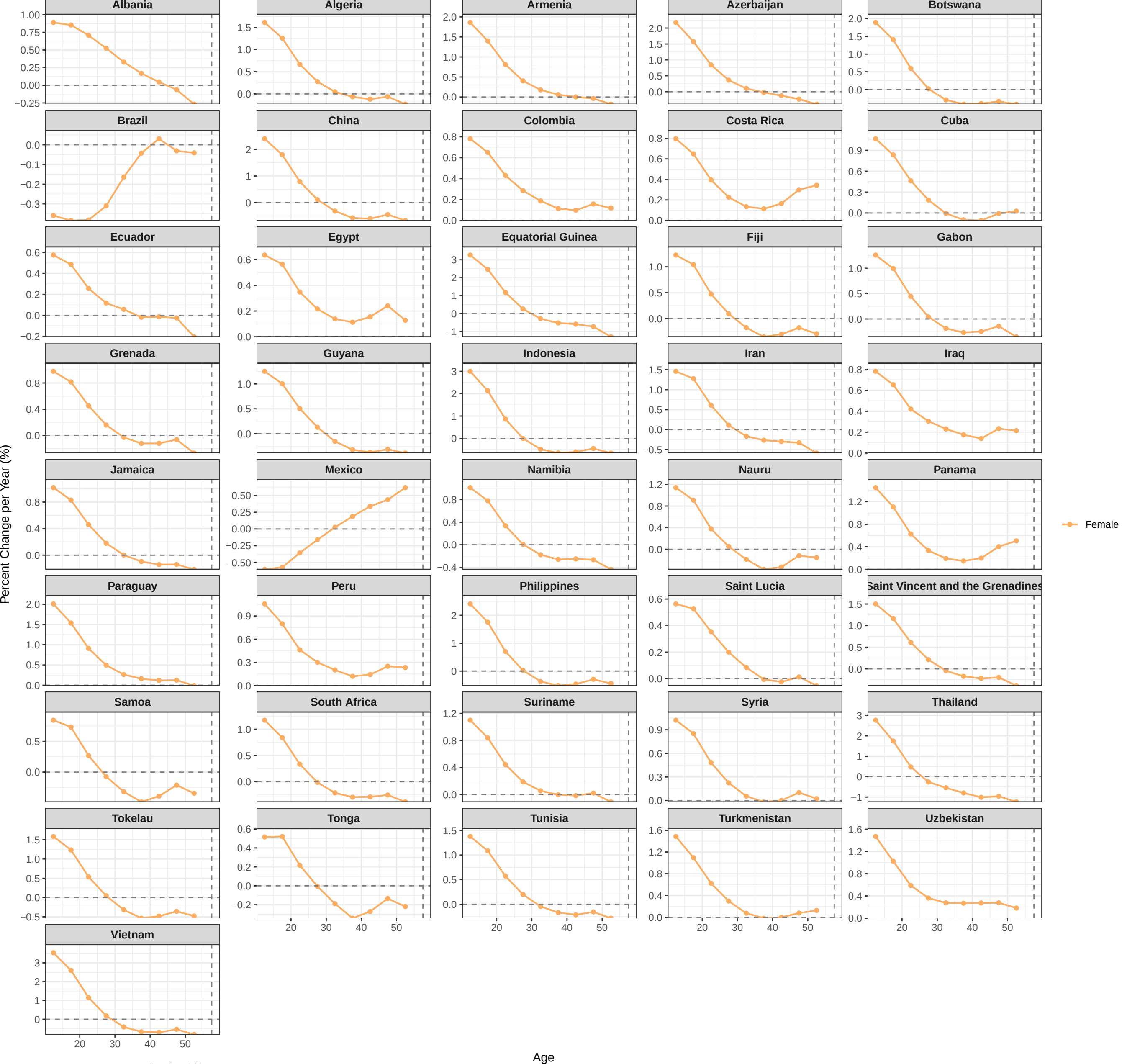
Figure S1



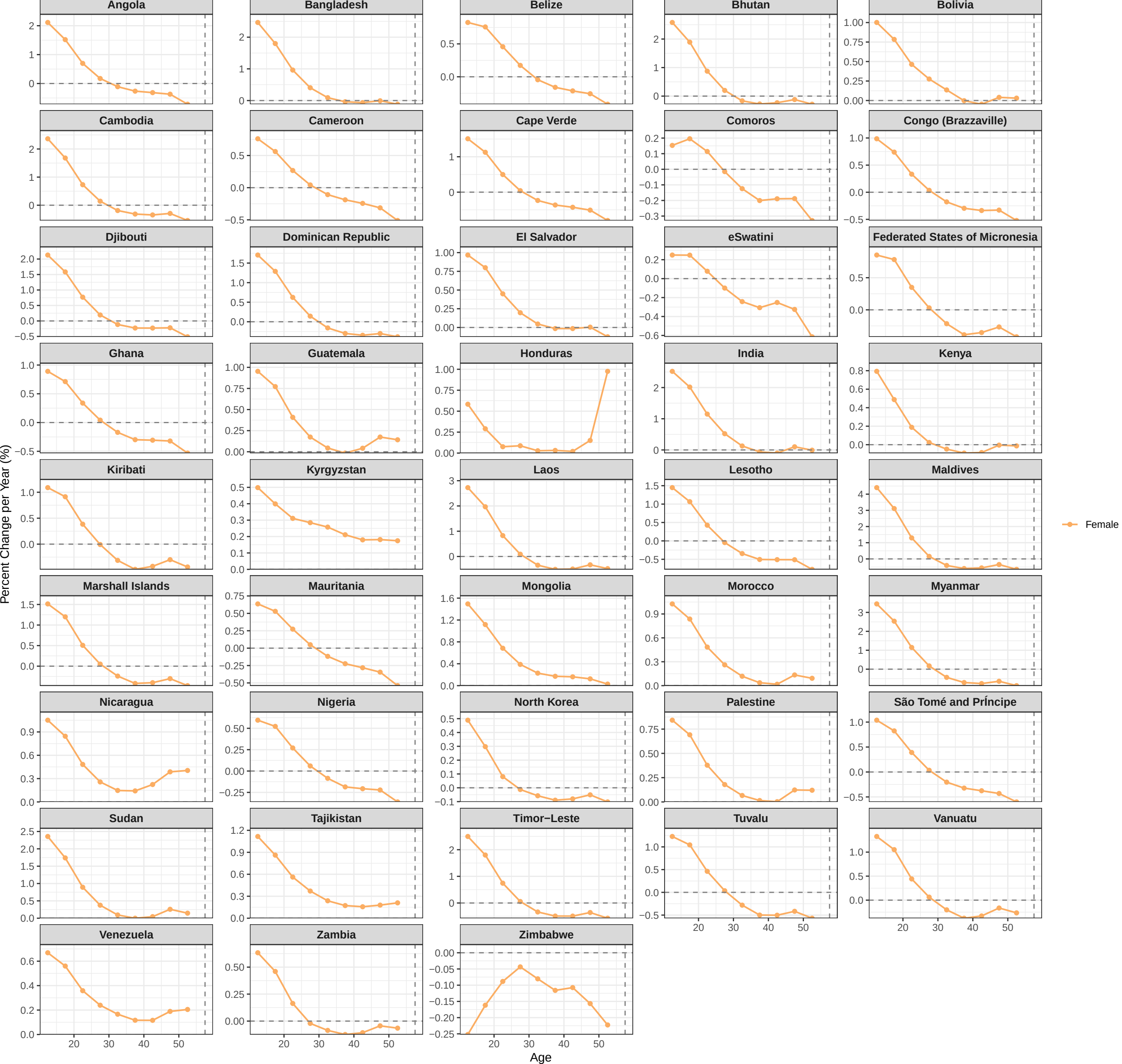
B High-middle SDI



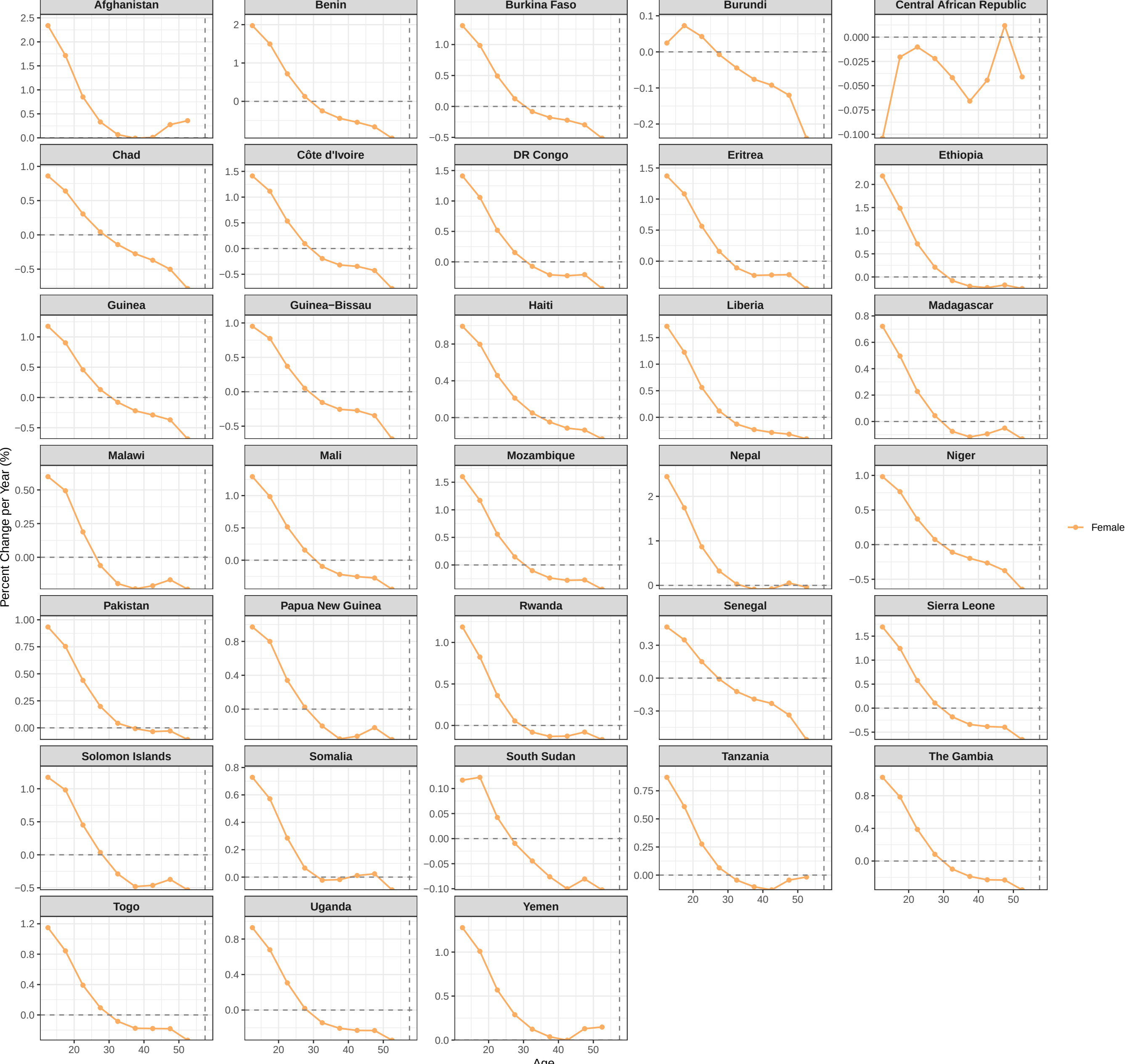
c Middle SDI



D Low-middle SDI

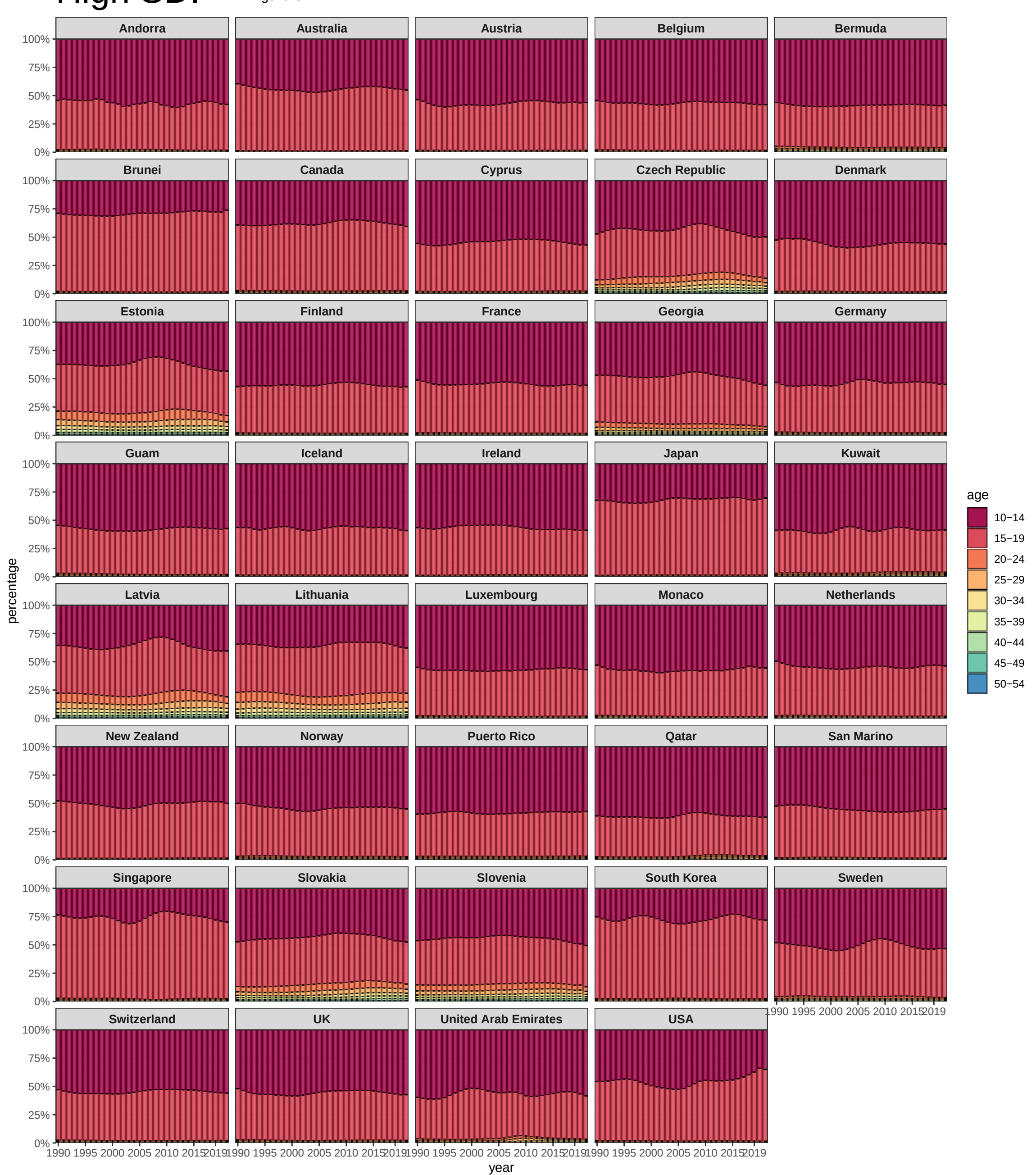


E Low SDI

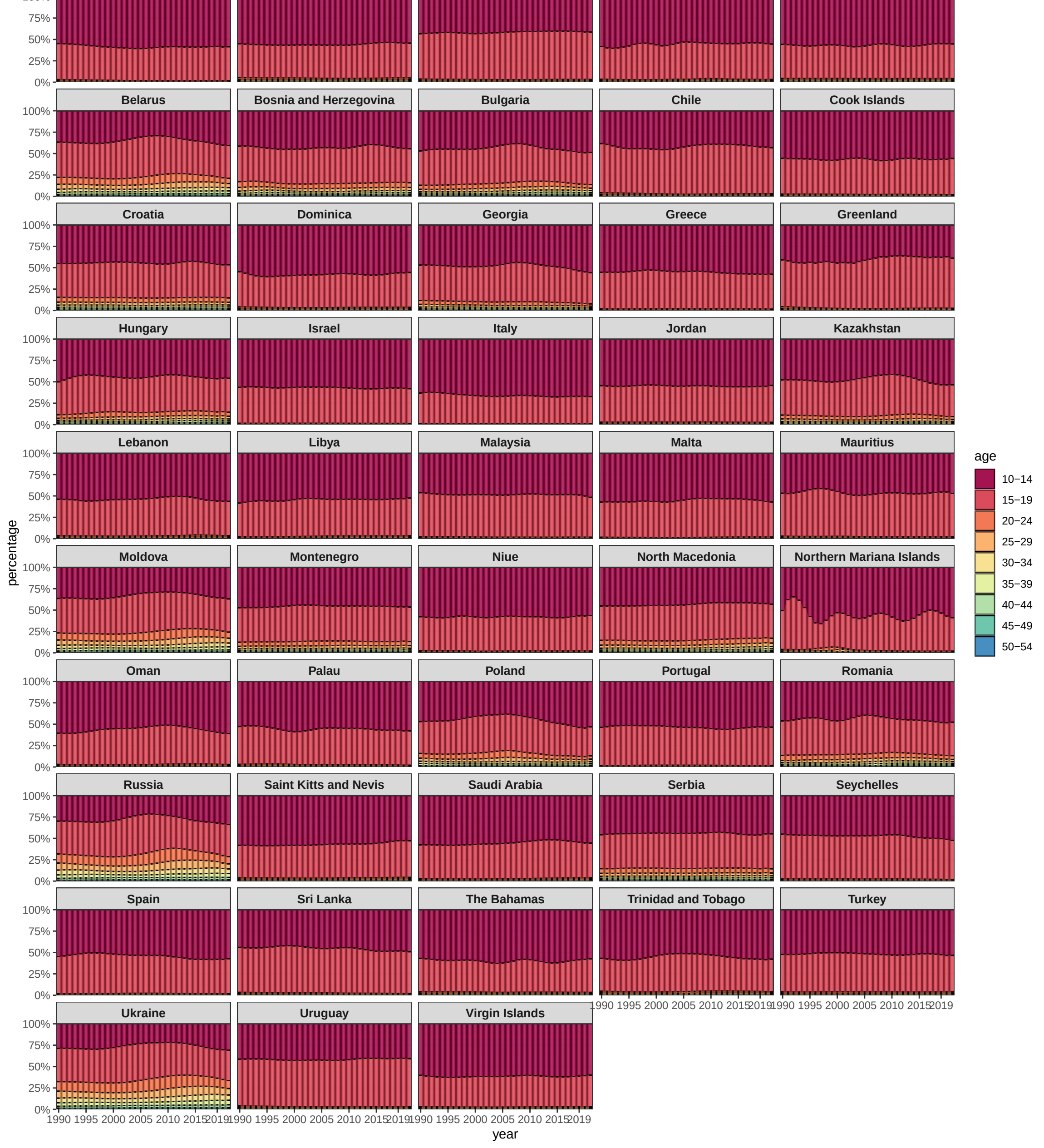


High SDI

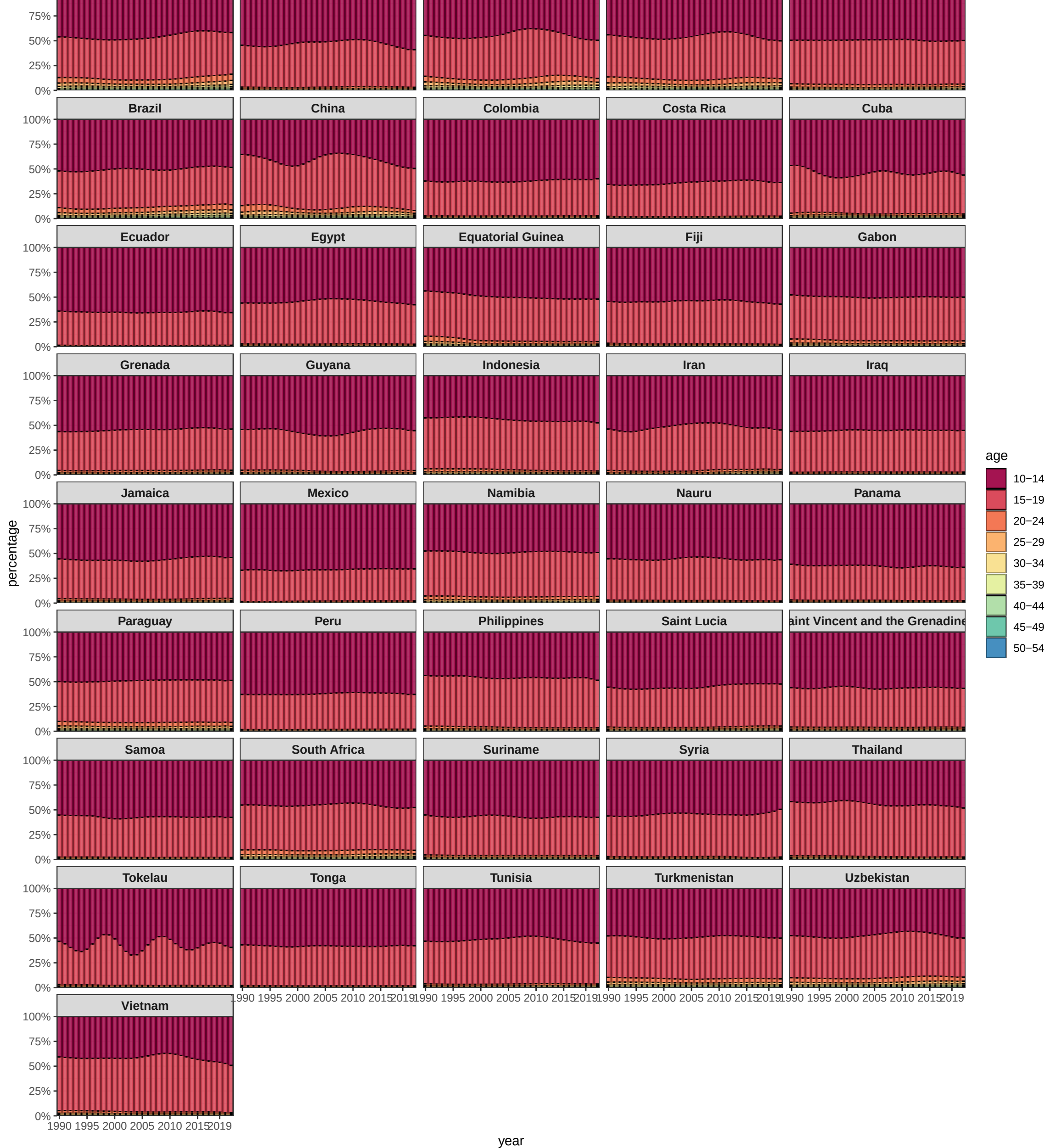
Figure S2



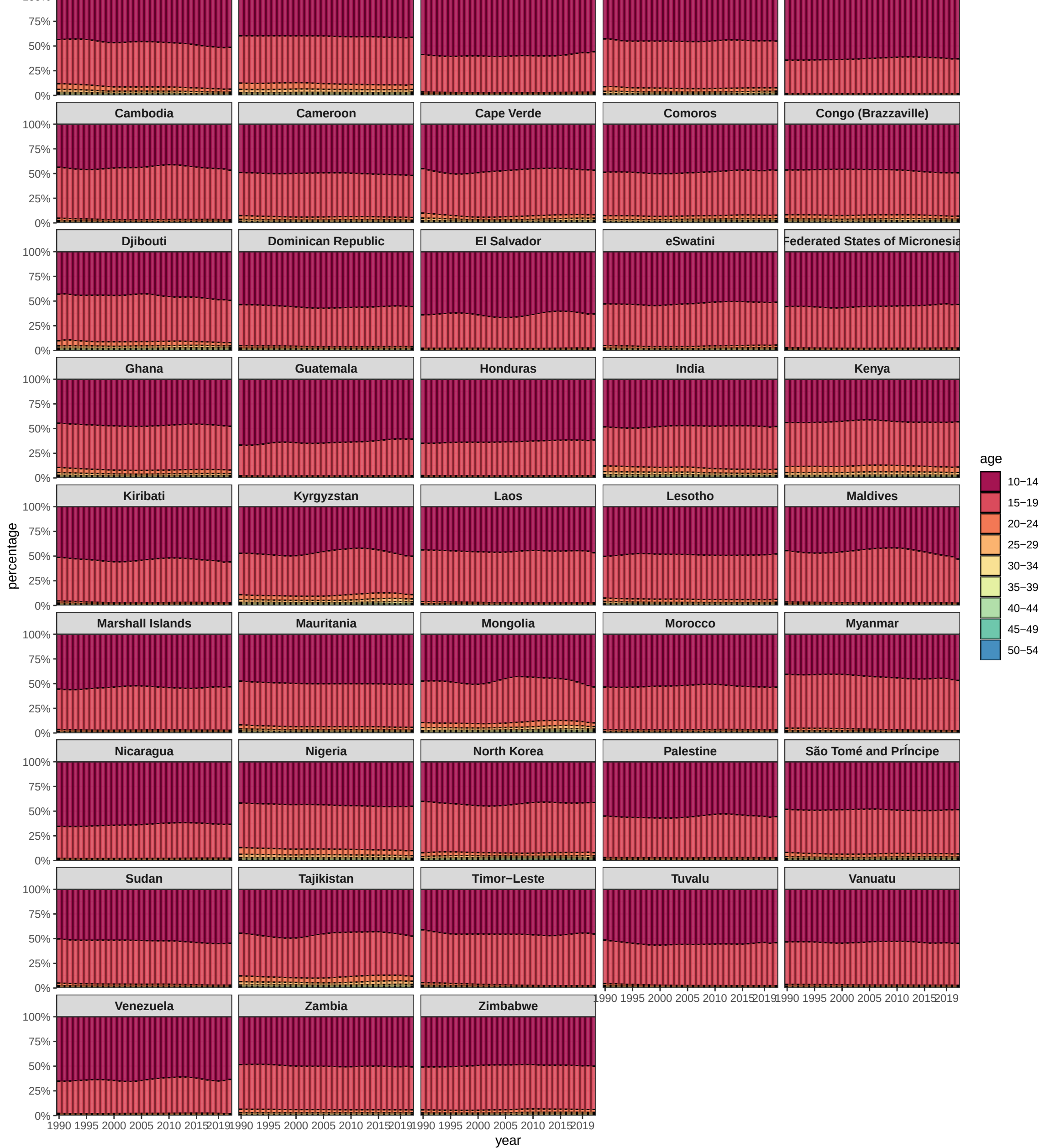
B High-middle SDI



C Middle SDI



D Low-middle SDI



E Low SDI

