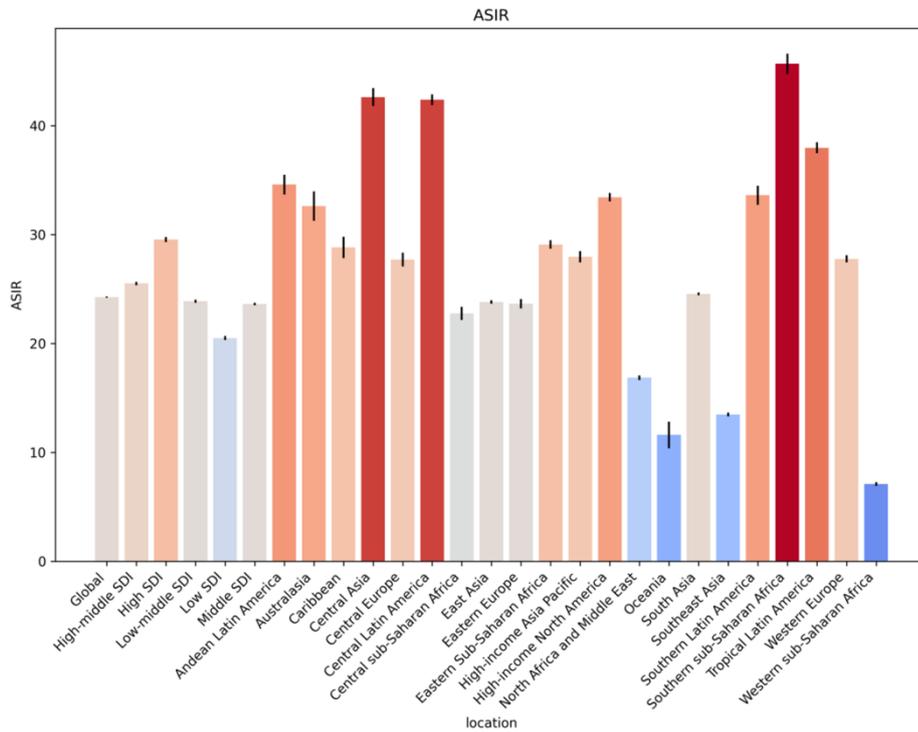
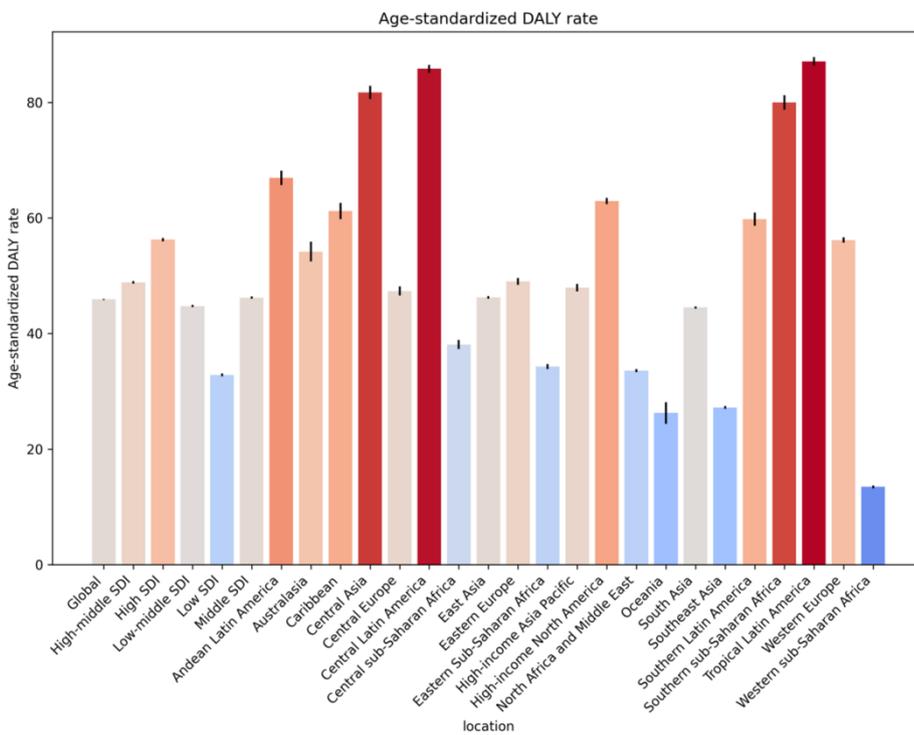


A

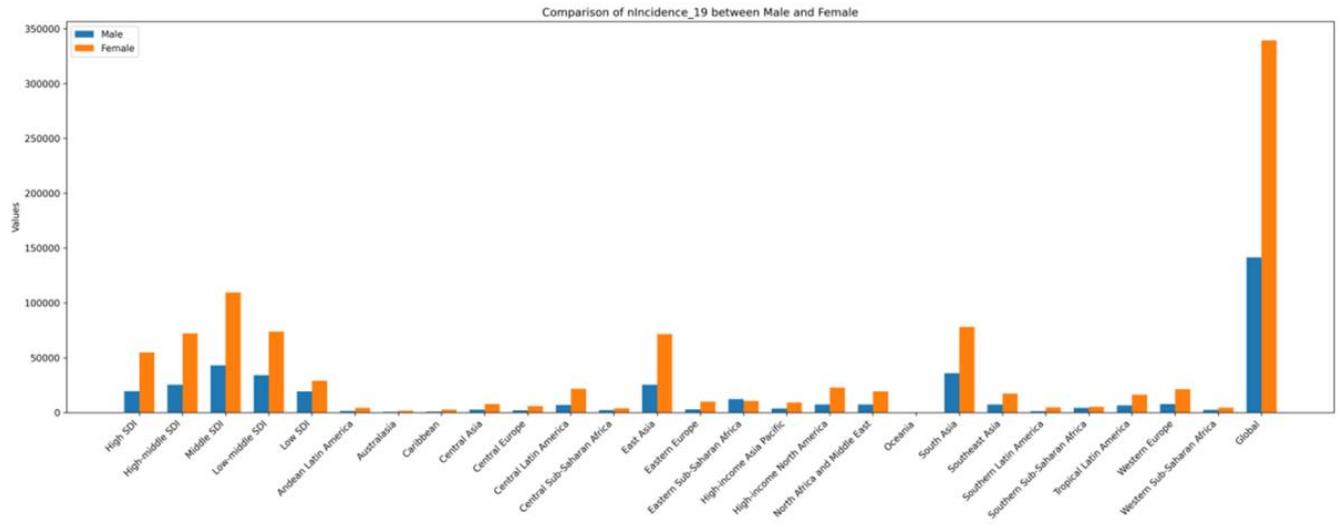


B

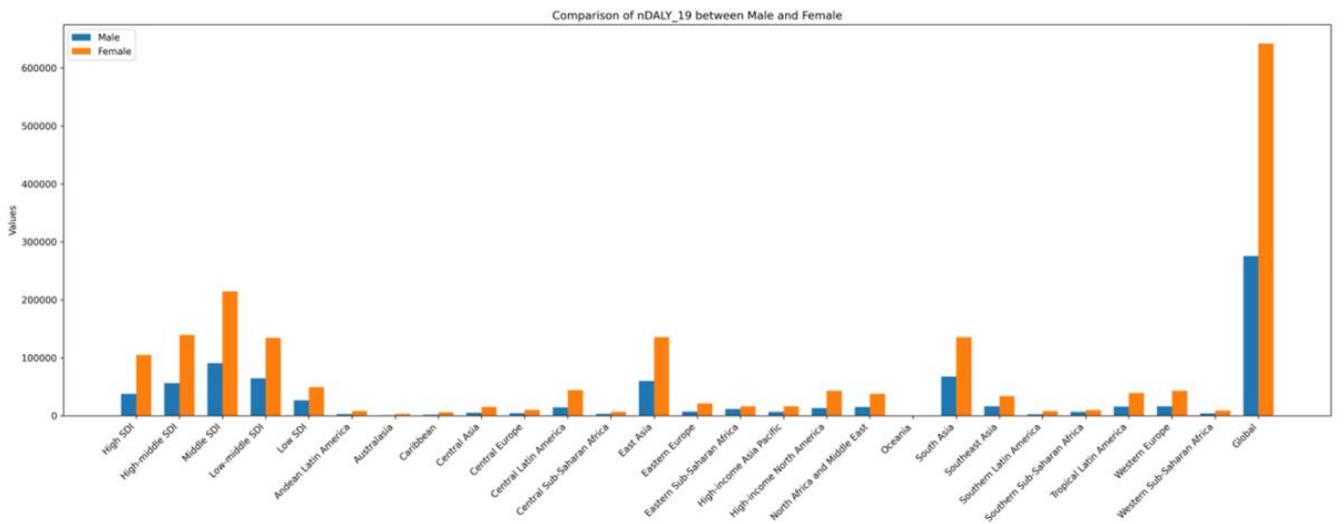


Supplementary Figure S1. The age-standardized incidence rate (ASIR) and age-standardized DALY rate of rheumatoid arthritis by the world, 21 regions and different SDI sub-regions from 1990 to 2019. **A** – age-standardized incidence rate. **B** – age-standardized DALY rate.

A

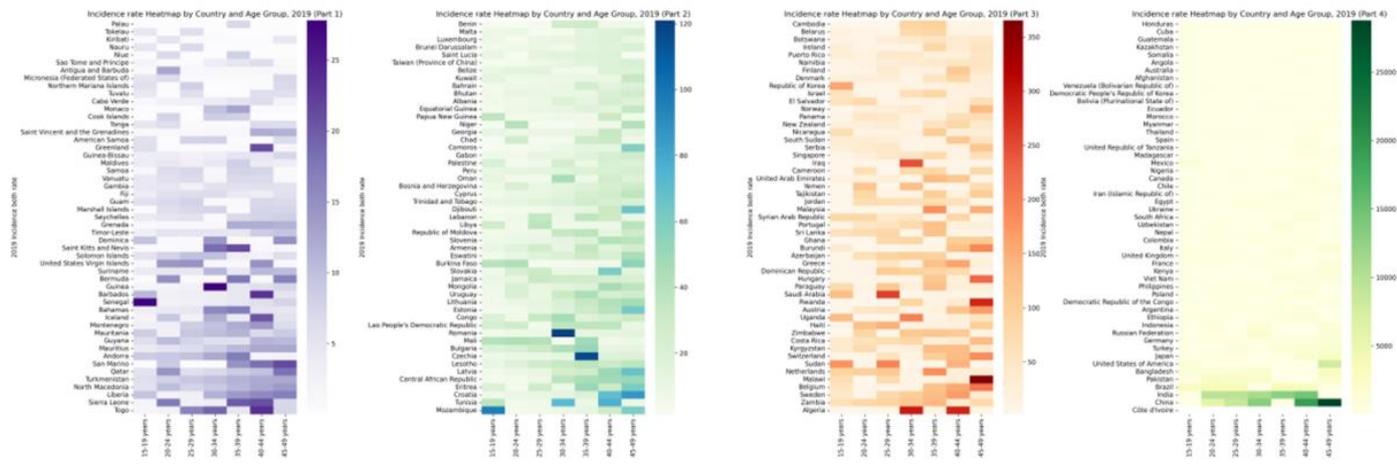


B

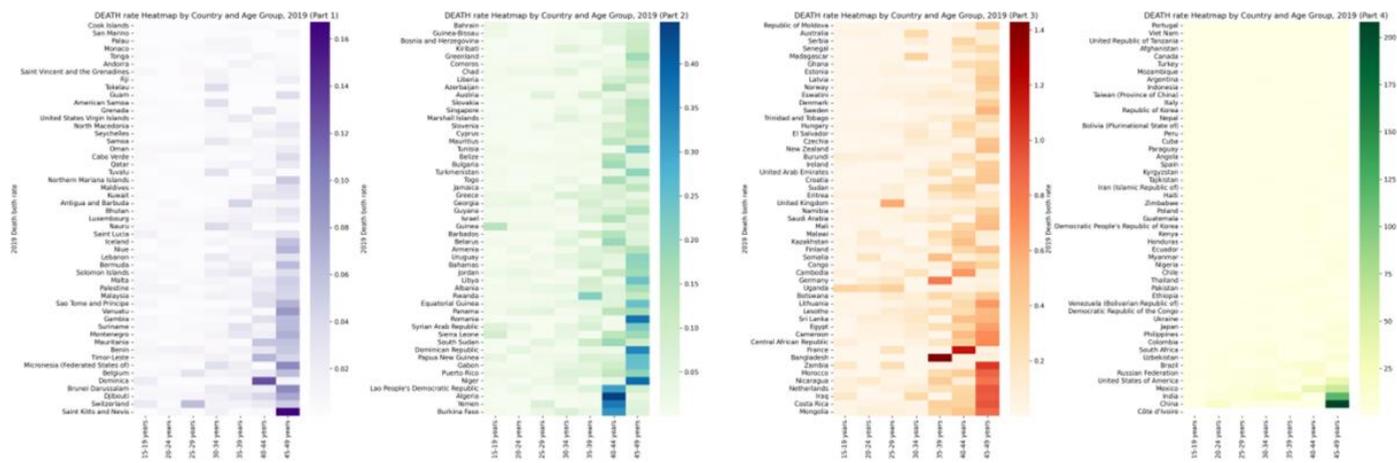


Supplementary Figure S2. Incidence numbers, death numbers and DALY numbers of rheumatoid arthritis by Region in 2019 – Both Genders: **A** – incidence numbers, **B** – DALY numbers

A



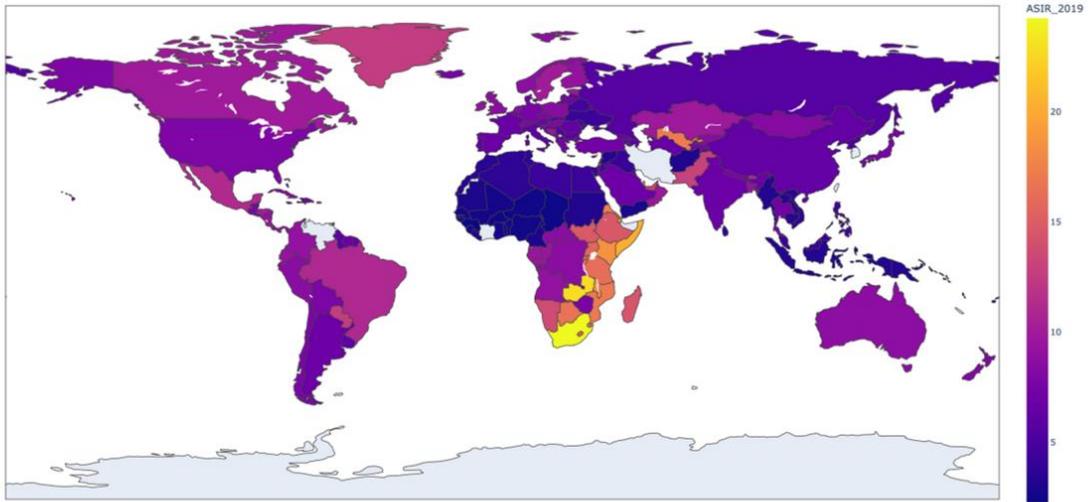
B



Supplementary Figure S3. The incidence rate, death rate and DALY rate heat map of by Country in 2019- both genders: A – incidence rate, B – DALY rate

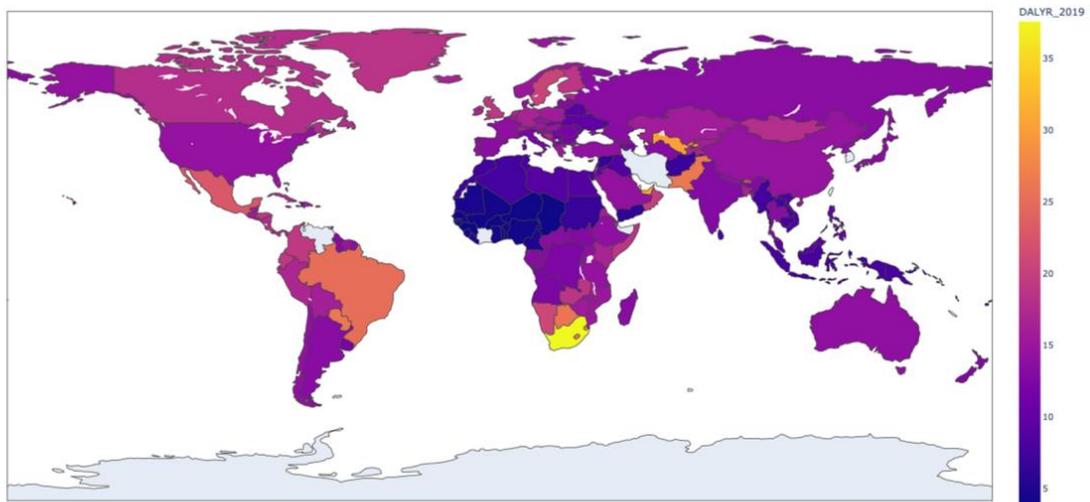
A

Male - ASIR_2019 - 2019



B

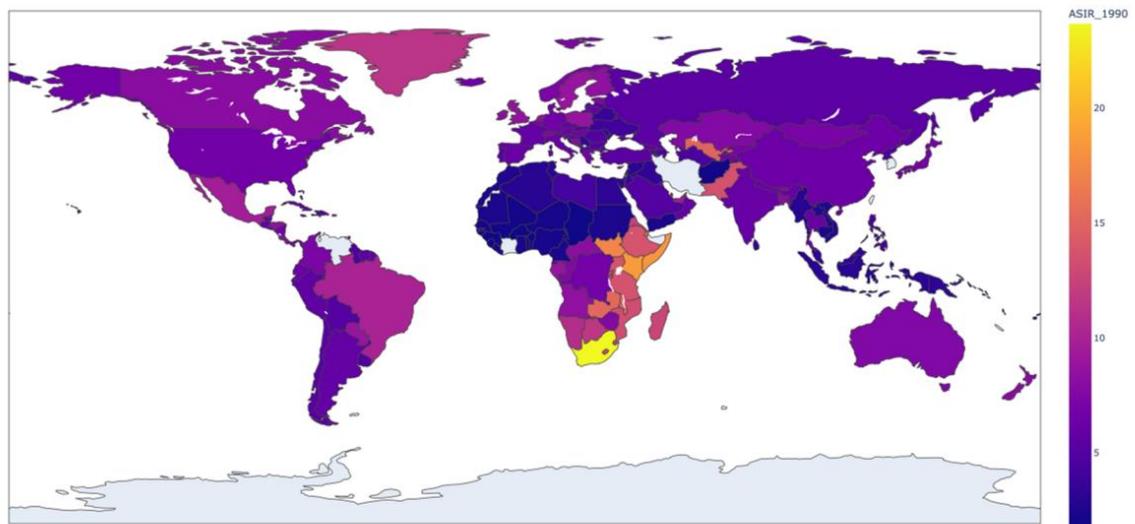
Male - DALYR_2019 - 2019



Supplementary Figure S4. The age-standardized incidence rate (ASIR) , and age-standardized DALY rate of rheumatoid arthritis for male by the world in 2019: **A** – age-standardized incidence rate, **B** – age-standardized DALY rate

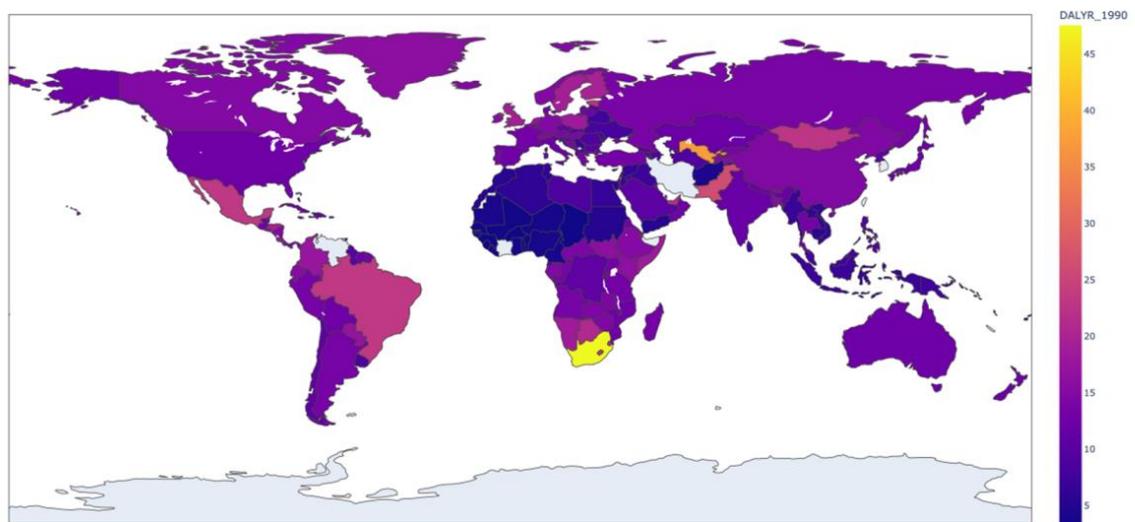
A

Male - ASIR_1990 - 2019



B

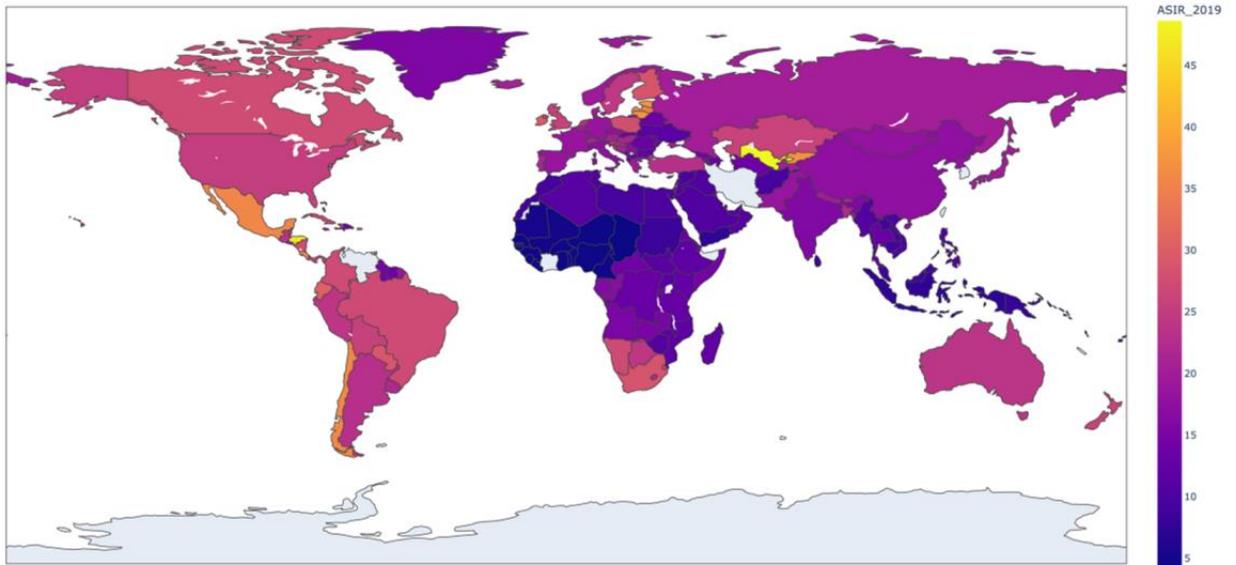
Male - DALYR_1990 - 2019



Supplementary Figure S5. The age-standardized incidence rate (ASIR) and age-standardized DALY rate of rheumatoid arthritis for male by the world from 1990 to 2019: A – age-standardized incidence rate, B – age-standardized DALY rate

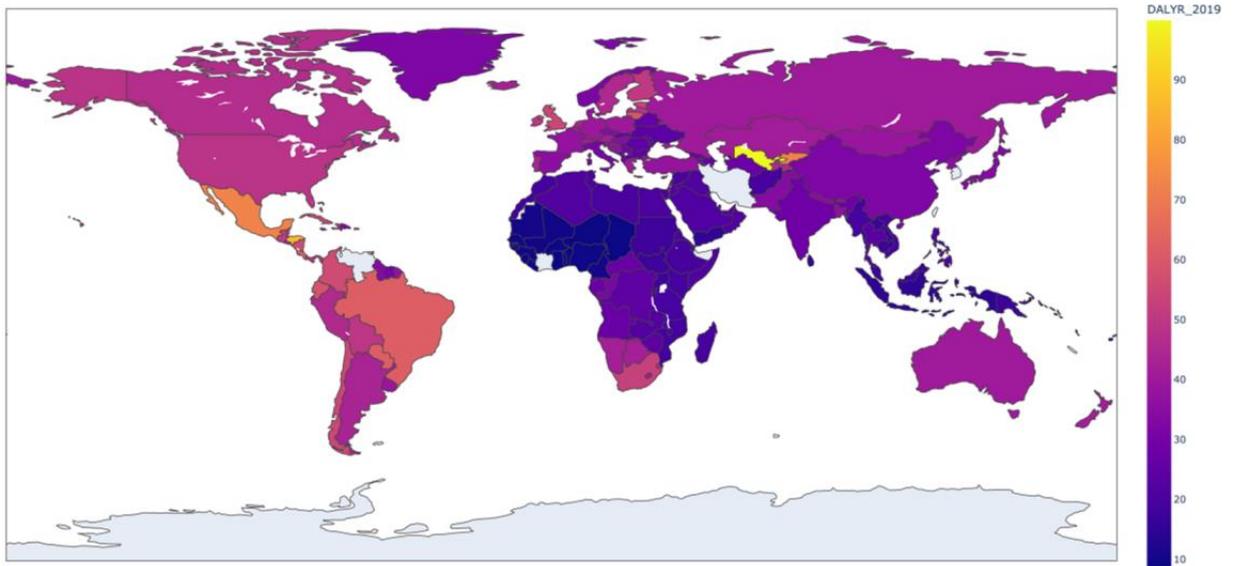
A

Female - ASIR_2019 - 2019



B

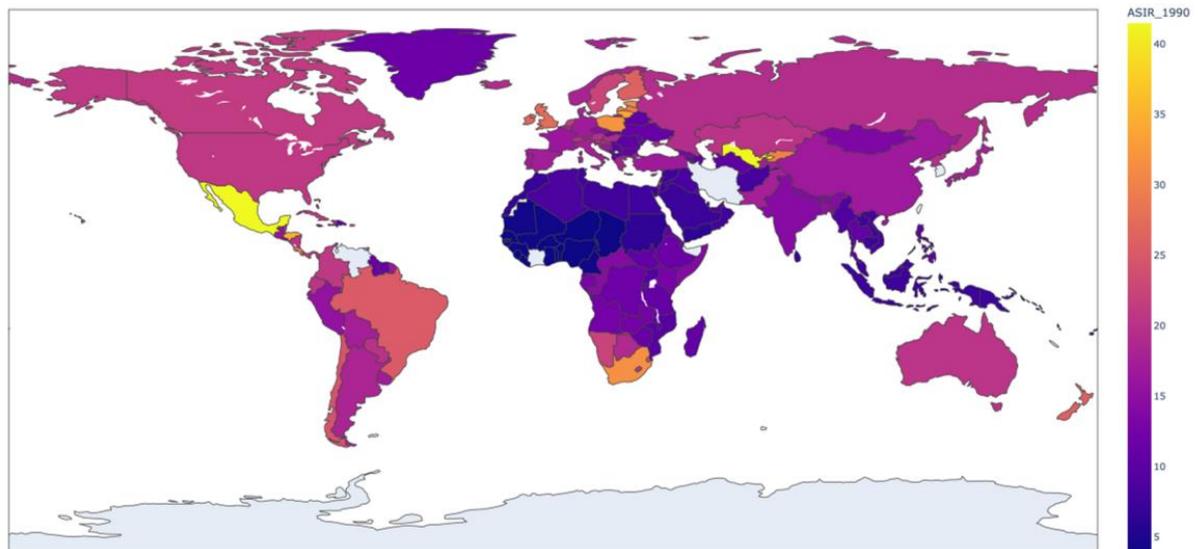
Female - DALYR_2019 - 2019



Supplementary Figure S6. The age-standardized incidence rate (ASIR) and age-standardized DALY rate of rheumatoid arthritis for female by the world in 2019: **A** – age-standardized incidence rate, **B** – age-standardized DALY rate

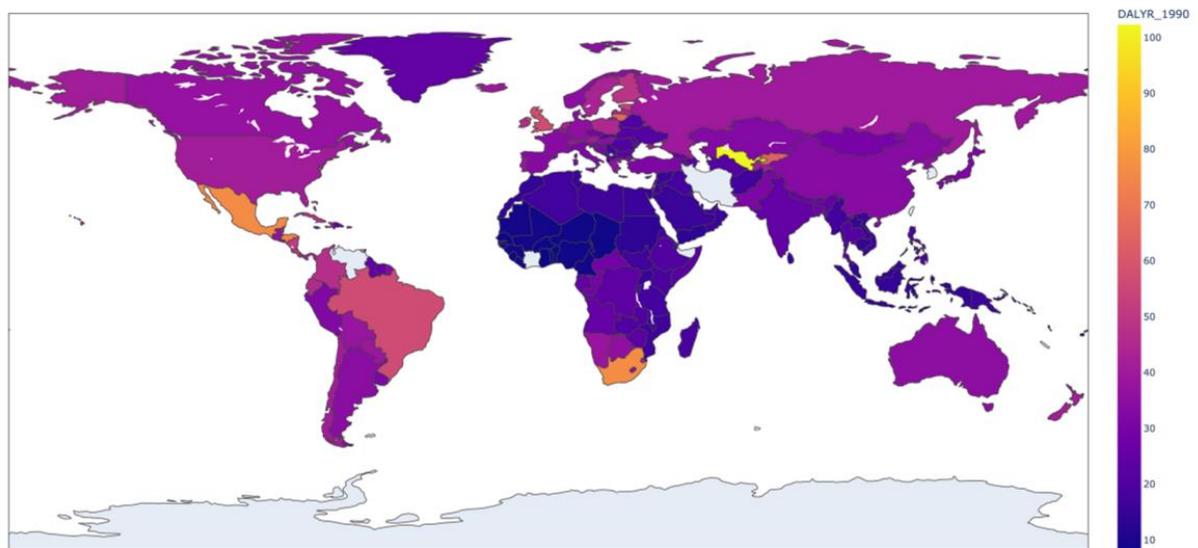
A

Female - ASIR_1990 - 2019



B

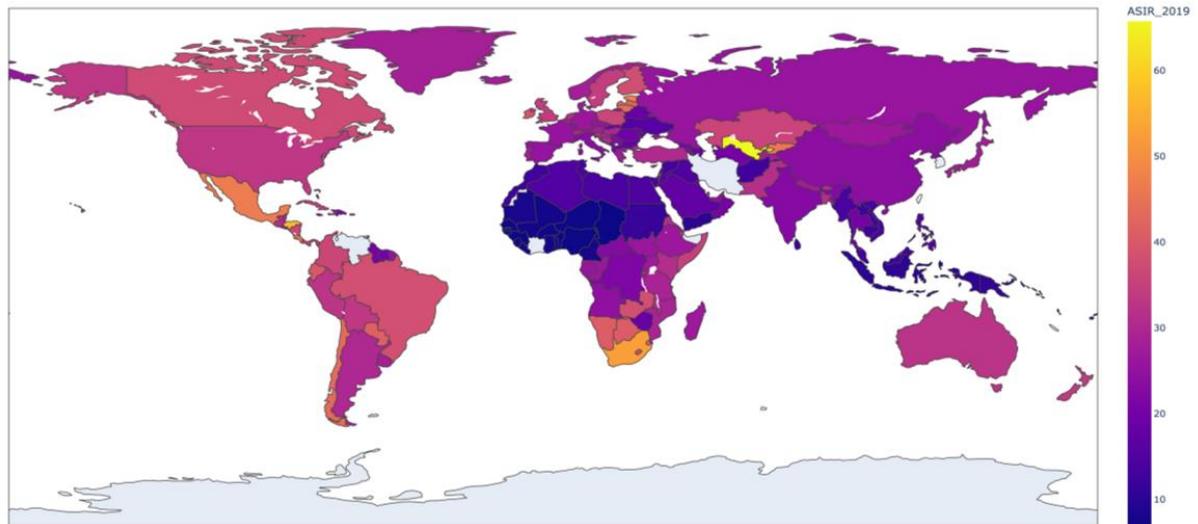
Female - DALYR_1990 - 2019



Supplementary Figure S7. The age-standardized incidence rate (ASIR) and age-standardized DALY rate of rheumatoid arthritis for female by the world from 1990 to 2019: **A** – age-standardized incidence rate, **B** – age-standardized DALY rate

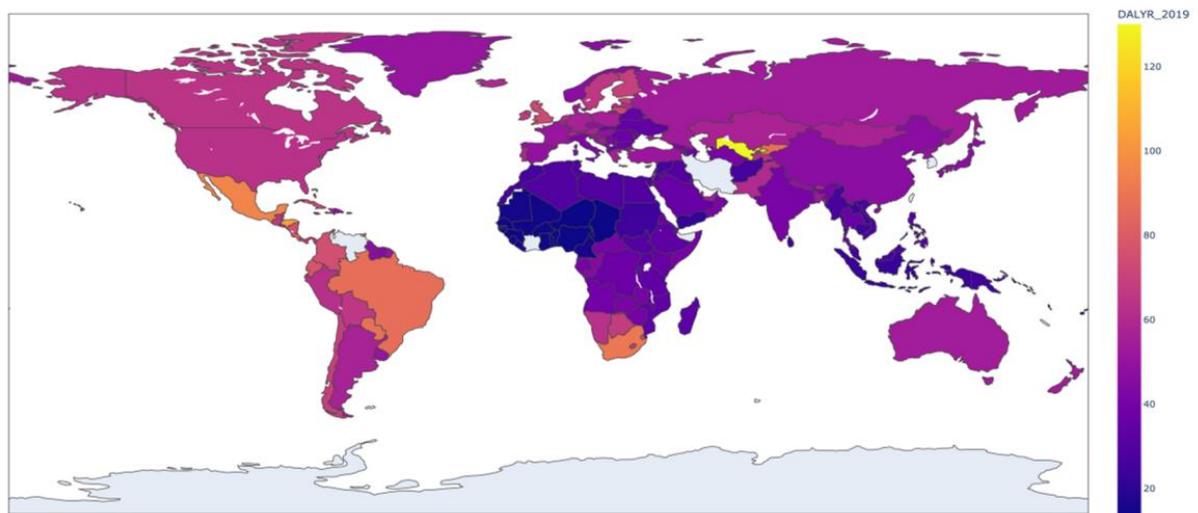
A

Both - ASIR_2019 - 2019



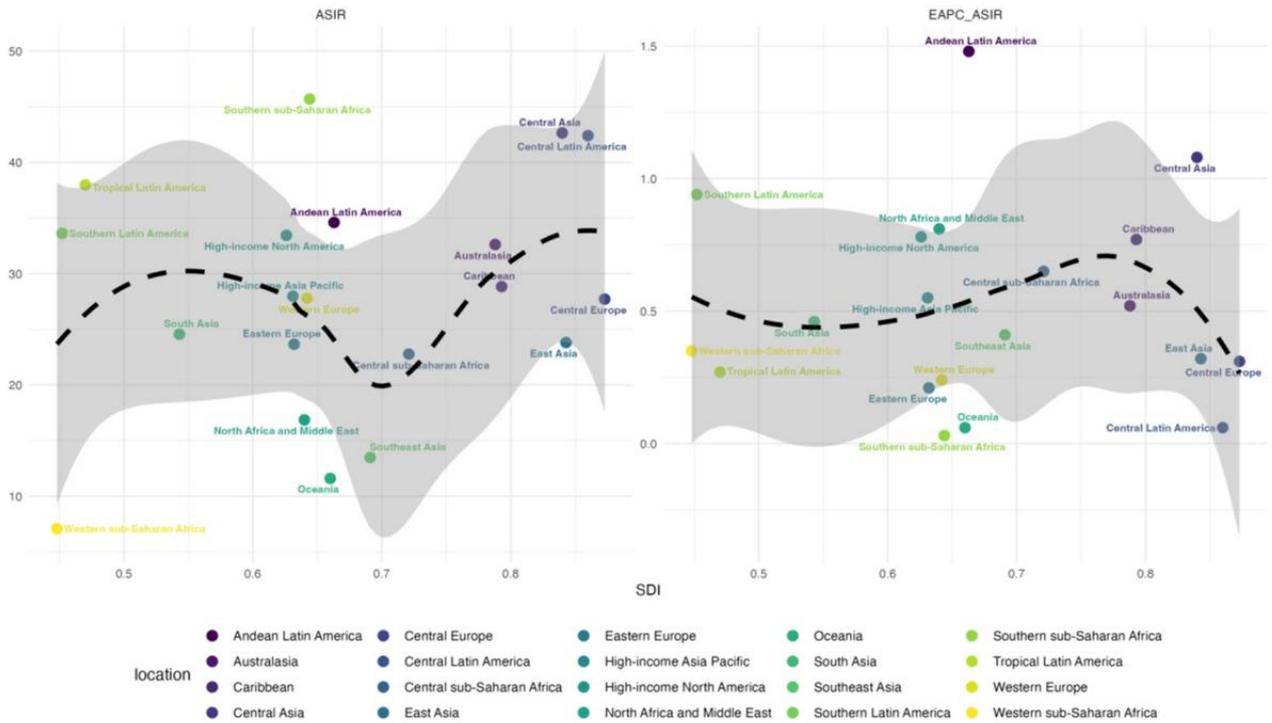
B

Both - DALYR_2019 - 2019

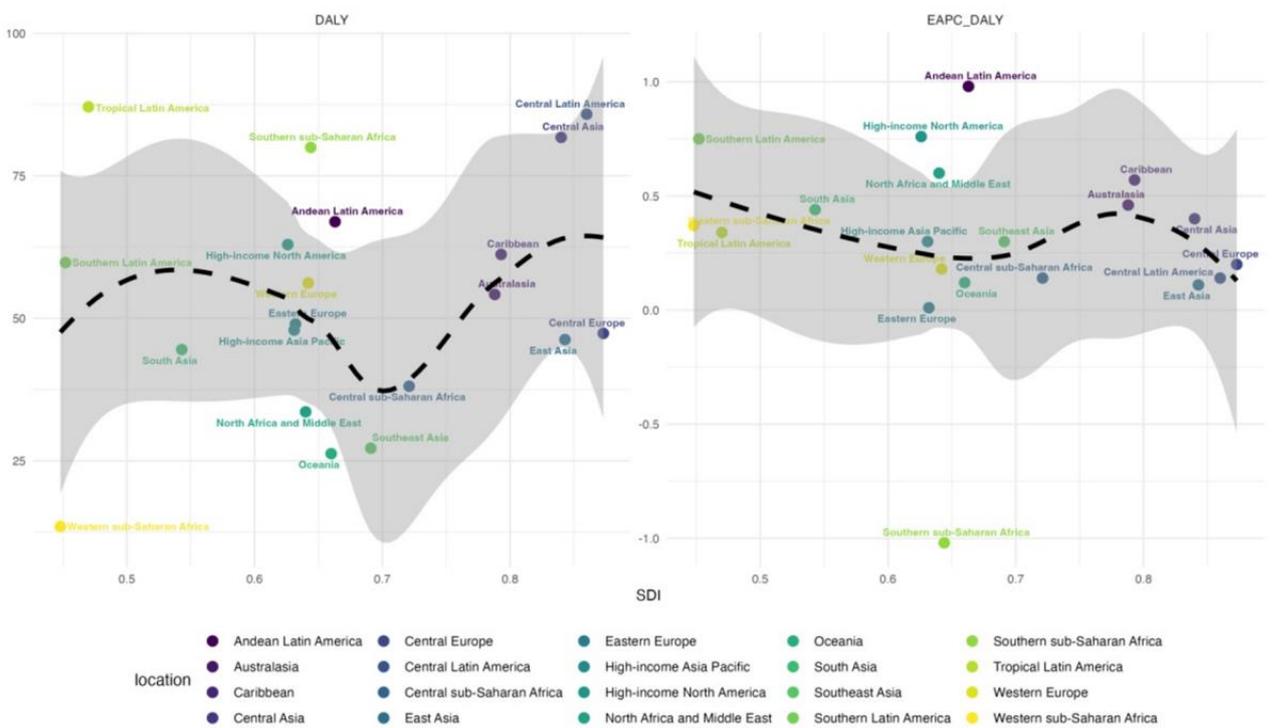


Supplementary Figure S8. The age-standardized incidence rate (ASIR) and age-standardized DALY rate of rheumatoid arthritis by the world in 2019: **A** – age-standardized incidence rate, **B** – age-standardized DALY rate

A



B



Supplementary Figure S9. Correlation between SDI and ASR, SDI and EAPC of ASR in 21 regions: **A** – SDI and ASIR, SDI and EAPC of ASIR, **B** – SDI and age-standardized DALY rate, SDI and EAPC of age-standardized DALY rate