

Endometriosis—Level 4 cause

Summary Endometriosis caused a total of 90 deaths (95% UI 49–141) globally in 2019. 0·6% (0·5–0·9) of all women—a total of 24·3 million (17·4–33·2) persons—were living with endometriosis in 2019.

Definition Endometriosis is defined according to the American College of Obstetricians and Gynecologists (ACOG) guidelines as cases diagnosed by pelvic exam confirmed by laparoscopy or pathology. Endometriosis is extrauterine growth of uterine tissue.

	Total sources
Incidence	8
Prevalence	302
Remission	0
Causes of death	2560
Other	0

Table 1: Total sources used in GBD 2019 estimation

What is new in GBD 2019?

- We revised clinical administrative data processing to better account for inpatient:outpatient visits, with change to use of outpatient-corrected data with HAQ Index correction, leading to lower all-ages estimates.
- We revised data processing to include age splitting using location-year-specific empirical age-sex patterns and cross-walking data to ACOG reference definition (alternatives = self-report, clinical data) using MR-BRT prior to modelling.
- We revised DisMod-MR 2.1 covariates to match those that were most predictive in CODEm including addition of total fertility rate and SEV smoking on prevalence, HAQ Index on EMR.

	Prevalence		Incidence		Deaths		YLLs		YLDs		DALYs	
	Cases (millions)	Rate (per 100 000)	Cases (millions)	Rate (per 100 000)	Deaths (millions)	Rate (per 100 000)	YLLs (millions)	Rate (per 100 000)	YLDs (millions)	Rate (per 100 000)	DALYs (millions)	Rate (per 100 000)
2019												
Both Sexes	24·3 (17·4 to 33·2)	302·6 (216·2 to 417·2)	3·79 (2·75 to 5·33)	48·3 (35·2 to 68·2)	0·0000896 (0·0000490 to 0·000141)	0·0 (0·0 to 0·0)	0·00454 (0·00247 to 0·00715)	0·1 (0·0 to 0·1)	2·25 (1·35 to 3·54)	28·0 (16·8 to 44·4)	2·25 (1·36 to 3·54)	28·1 (16·9 to 44·4)
Females	24·3 (17·4 to 33·2)	610·6 (436·1 to 842·3)	3·79 (2·75 to 5·33)	97·9 (71·3 to 138·3)	0·0000896 (0·0000490 to 0·000141)	0·0 (0·0 to 0·0)	0·00454 (0·00247 to 0·00715)	0·1 (0·1 to 0·2)	2·25 (1·35 to 3·54)	56·5 (34·0 to 89·6)	2·25 (1·36 to 3·54)	56·6 (34·0 to 89·7)
Males	--	--	--	--	--	--	--	--	--	--	--	--
Percentage change 2010-19												
Both Sexes	3·5% (1·9 to 5·1)	-4·6% (-5·8 to -3·7)	-0·3% (-2·1 to 1·6)	-4·9% (-5·8 to -3·9)	-13·4% (-30·8 to 10·8)	-21·3% (-37·2 to 0·7)	-13·5% (-30·9 to 10·8)	-20·9% (-36·9 to 1·2)	3·4% (1·6 to 5·2)	-4·7% (-6·0 to -3·4)	3·4% (1·6 to 5·2)	-4·7% (-6·0 to -3·5)
Females	3·5% (1·9 to 5·1)	-4·4% (-5·5 to -3·5)	-0·3% (-2·1 to 1·6)	-4·6% (-5·5 to -3·6)	-13·4% (-30·8 to 10·8)	-21·3% (-37·2 to 0·7)	-13·5% (-30·9 to 10·8)	-20·9% (-36·9 to 1·1)	3·4% (1·6 to 5·2)	-4·5% (-5·8 to -3·2)	3·4% (1·6 to 5·2)	-4·5% (-5·8 to -3·3)
Males	--	--	--	--	--	--	--	--	--	--	--	--

Numbers in parentheses are 95% uncertainty intervals.

Table 2: Global prevalence, incidence, deaths, YLLs, YLDs, and DALYs in counts and age-standardised rates for both sexes combined, females, and males, 2019, with percentage change between 2010 and 2019

	Deaths	YLLs	YLDs	DALYs
1990	212th	212th	70th	170th
2010	214th	214th	74th	165th
2019	215th	215th	77th	168th

Table 3: Rank among most detailed causes for global deaths, YLLs, YLDs, and DALYs in 1990, 2010, and 2019, for both sexes combined

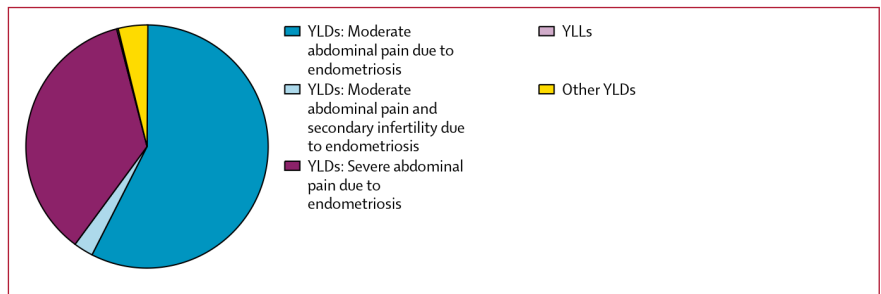


Figure 1: Composition of DALYs by YLLs and constituent sequelae YLDs for both sexes combined, 2019

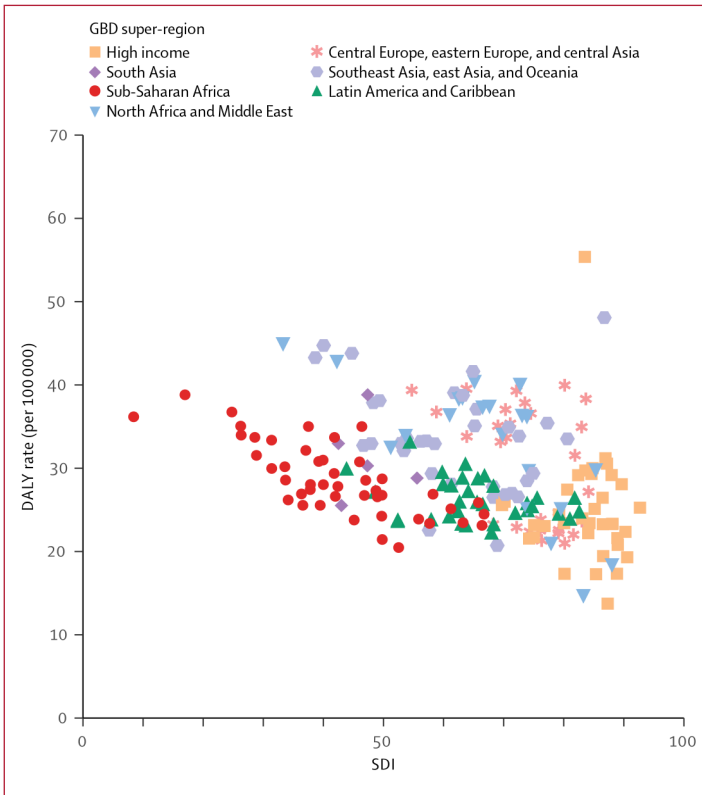


Figure 2: Age-standardised DALY rates for each location by SDI, both sexes combined, 2019

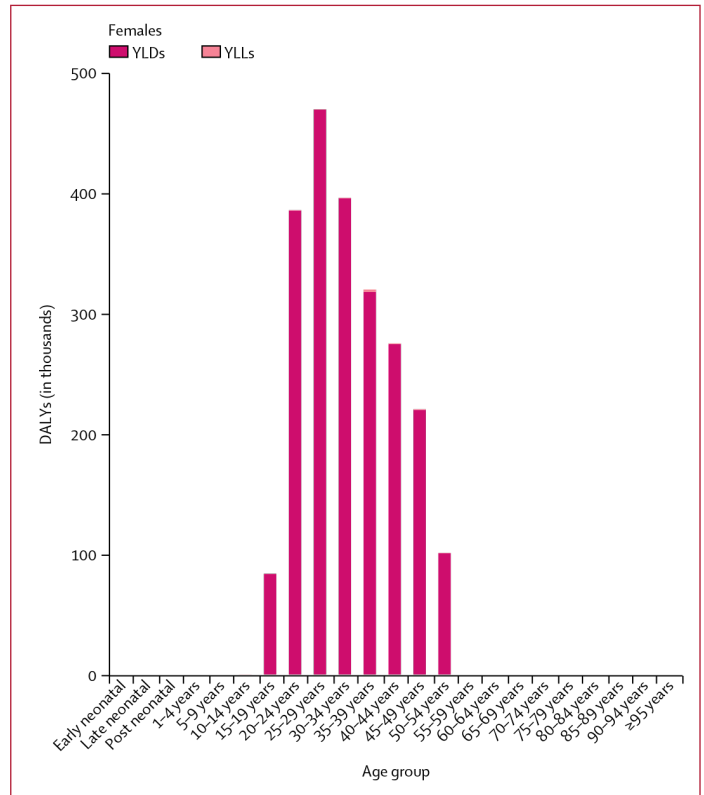


Figure 3: Composition of DALYs by YLLs and YLDs, age group, and sex, 2019

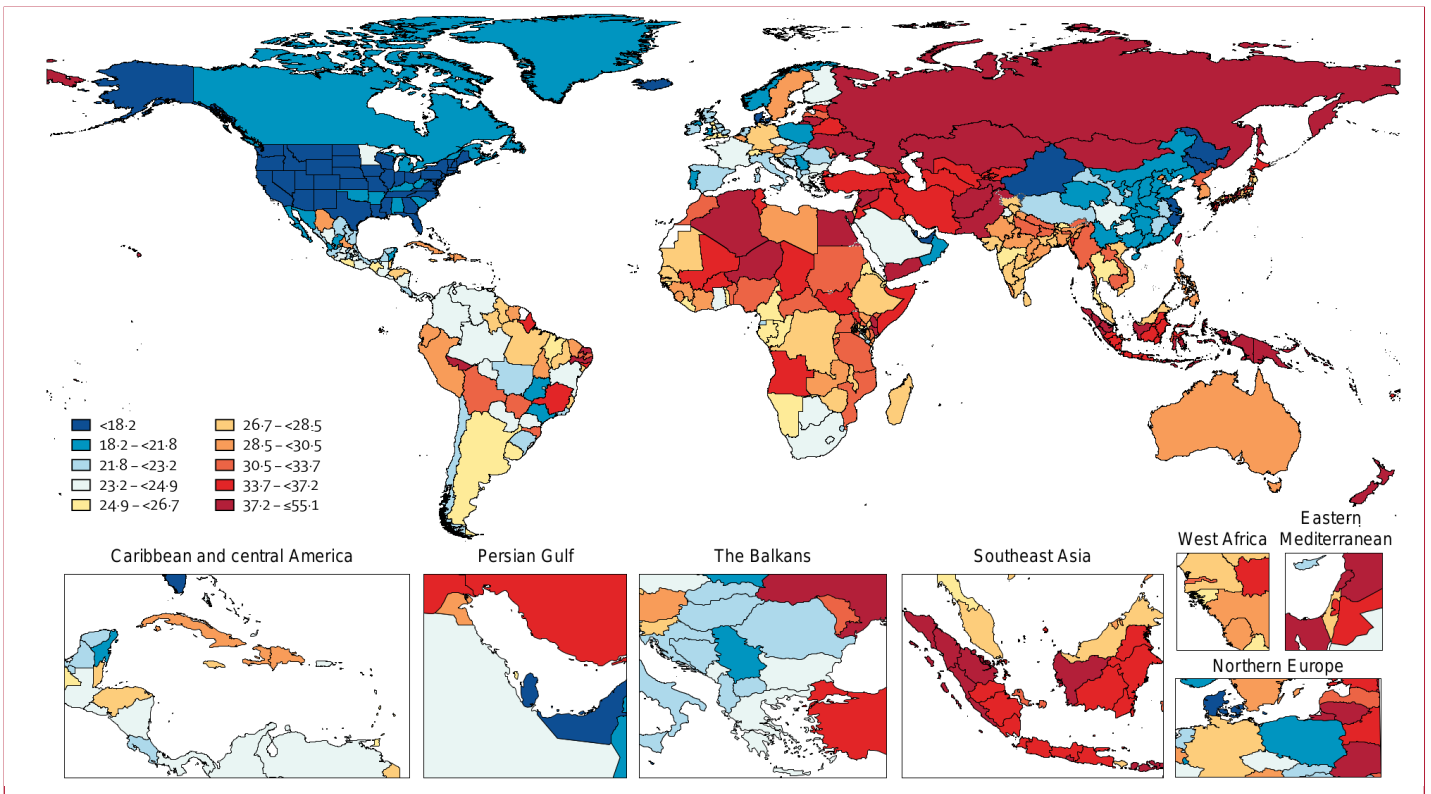


Figure 4: Age-standardised DALY rates (per 100 000) by location, both sexes combined, 2019