

**TABLE 3S:** Covariates used for modeling maternal mortality. GBD, 2019.

Level	Covariate
Level 1	Age-specific fertility rate Total fertility rate (log-transformed) Maternal education (years per capita) In-facility delivery (proportion) Skilled birth attendance (proportion) Neonatal mortality ratio (log-transformed) Age-specific HIV mortality in females 10-54 (log-transformed)
Level 2	Antenatal care 1-visit coverage (proportion) Antenatal care 4-visits coverage (proportion) Age-standardised wasting (weight-for-height) summary exposure value (SEV) Age-standardised stunting (height-for-age) SEV Healthcare Access and Quality Index Age- and sex-specific SEV for high body-mass index (BMI) Age- and sex-specific SEV for high blood pressure (SBP) Underweight women of reproductive age
Level 3	Socio-demographic Index Mortality shock (cumulative rate in last 10 years) LDI (log-transformed) Hospital beds (per 1,000 population)