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Reproductive Health

Social and Behavioral Science Research (SBSR)

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2017

## **Risk factors for pre-eclampsia and eclampsia in Belize**

Population Council

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Each day around the world, 830 women die from pregnancy- and childbirth-related causes. The second most common cause (after postpartum hemorrhage) is a hypertensive disorder during pregnancy, such as pre-eclampsia and eclampsia (PE/E)—life-threatening, pregnancy-induced high blood pressure and excess protein in urine—which can lead to seizures and other fatal complications. One in four preterm infants dies as a result of their mother’s PE/E. These deaths are preventable, yet essential medicines and tools to treat this disorder are often unavailable in low-resource settings.

### DEMOGRAPHICS

POPULATION:  
**388,000**

TOTAL FERTILITY RATE:  
**2.6 BIRTHS PER WOMAN**

UNMET NEED FOR POSTPARTUM CONTRACEPTION:  
**22.2%**

### OVERARCHING HEALTH RISKS



**7% DIABETES MORTALITY RATE IN WOMEN**



**8% OF WOMEN AGED 30-70 HAVE CARDIOVASCULAR DISEASE**



**26.4% OF WOMEN OF CHILDBEARING AGE ARE OBESE**



**14.7% OF GIRLS AGED 15-19 HAVE BEGUN CHILDBEARING**

CHILDBEARING

**17.3% OF WOMEN AGED 20-24 GAVE BIRTH BY AGE 18**

**29% OF WOMEN AGED 20-49 MARRIED BY AGE 18**

### BARRIERS TO ACCESSING SERVICES



**HUSBANDS AND MOTHER-IN-LAWS ARE THE DECISIONMAKERS**



**DISTANCE TO FACILITIES**



**FINANCIAL COSTS**

### PREGNANCY-RELATED CARE



**97.2% RECEIVED ANTENATAL CARE**



**96.8% OF DELIVERIES WERE ATTENDED BY A SKILLED PRACTITIONER**



**92.6% HAD 4+ ANC VISITS**



**34.2% OF BABIES DELIVERED VIA C-SECTION**



**97.8% HAD BLOOD PRESSURE TAKEN DURING ANC VISIT\***



**96.4% OF MOTHERS AND INFANTS HAD A PNC VISIT WITHIN 48 HOURS OF GIVING BIRTH**



**97.8% HAD URINALYSIS DURING ANC VISIT\***

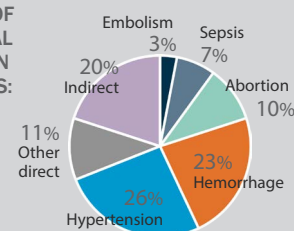
\*among women who had a live birth.

### MATERNAL DEATH DATA

**28**

**MATERNAL DEATHS PER 100,000 LIVE BIRTHS**

CAUSES OF MATERNAL DEATHS IN FACILITIES:



**NO DATA**

**OF DEATHS AMONG GIRLS AND WOMEN AGED 12-49 WERE ASSOCIATED WITH PREGNANCY AND CHILDBIRTH**

### NEWBORN/INFANT DEATH DATA

**9**

**INFANT DEATHS PER 1,000 LIVE BIRTHS**

**4.9**

**PERINATAL DEATHS PER 1,000 PREGNANCIES**

**5**

**NEONATAL DEATHS PER 1,000 LIVE BIRTHS**

**NO DATA**

**OF NEONATAL DEATHS WERE RELATED TO PRETERM BIRTH**

### MgSO<sub>4</sub>/CG DELIVERY CAPACITY

SPECIALISTS, MEDICAL OFFICERS, LADY HEALTH VISITORS, MEDICAL TECHNICIANS, AND DISPENSERS **CAN ADMINISTER MgSO<sub>4</sub> AND CALCIUM GLUCONATE (CG)**

**NO DATA** OF NON-TEACHING HOSPITALS HAVE MgSO<sub>4</sub> AND CG IN STOCK (ALL TEACHING HOSPITALS HAVE BOTH IN STOCK)

**NO DATA** OF STAFF ARE TRAINED TO ADMINISTER MgSO<sub>4</sub> AND CG

### NATIONAL/STATE POLICIES

Of the 13 UN Lifesaving Commodities for Women and Children, which are on the national essential medicines list? →

**Oxytocin, MgSO<sub>4</sub>, chlorhexidine, amoxicillin, oral rehydration salts, emergency contraceptives**

Which antihypertensives are on the national essential medicines list? →

**Hydralazine, methyldopa, labetalol, nifedipine**

Are there formal mechanisms for procuring these drugs? →

**NO DATA**

Is there a community health strategy (CHS)? →

**YES**

Is there a task-shifting policy in country? →

**NO DATA**

Are national maternal death or near-miss audits conducted? →

**NO DATA**

Sources: Belize Population and Housing Census - Country Report 2010, Statistical Institute of Belize, UNFPA. Child Mortality Estimates - Belize, 2015, UNICEF. The World Bank Data - Belize, 2017. UNICEF Data: Monitoring the Situation of Women and Children, 2017. Country Profile - Belize: Maternal, Newborn & Child Survival, 2012. Global Health Observatory data repository, 2015. SDG Indicators Global Database 2017. WHO Diabetes Country Profile 2016. The Situation Analysis of Children and Women in Belize 2011 - An Ecological Review, UNICEF. Health Statistics of Belize 2006 - 2010. Health in the Americas - Belize, 2017. Belize Drug Formulary and Therapeutics Manual, 9th Edition - 2009-2011, 2008. Multiple Indicator Cluster Survey - Monitoring the Situation of Children and Women - 2015-2016, Statistical Institute of Belize and UNICEF Belize, 2017.

The types of data presented in this country profile may differ from other country profiles developed by the Ending Eclampsia project.