

According to the World Health Organization, globally more than half a million women die each year during pregnancy, childbirth, or during the postpartum period

99% of women in developing countries

The leading cause of maternal mortality is hemorrhage, severe blood loss usually occurring immediately after delivery.

Disparities in U.S. Maternal healthcare suggest racial inequities



Despite the United States spending the most money on continued advancements in health care, it has higher maternal mortality rates than many other developed country.



- Black, American Indian, and Alaska Native women are two to three times more likely to die from pregnancy-related causes than white women.
- The mortality rate is high for nonwhite women despite socioeconomic status and education.
- During the pandemic in 2020 and 2021, Black women had the highest maternal mortality rates across all racial and ethnic groups.
- The mortality rate for collegeeducated Black women is 5.2 times higher than the rate for college-educated White women and 1.6 times higher when compared to White women with less than a high school diploma.

Exploring Inequities in Maternal care



Implicit or Explicit Biases from Healthcare
Providers

Delays in diagnosis may reflect healthcare providers not believing the physiologic significance of abnormal findings or facing hierarchical barriers to requesting a further medical evaluation.



Lack of Insurance coverage



Long distance to medical care

Rural communities with large populations of multiple racial and ethnic groups had roughly a two times higher probability of needing to travel more than thirty miles to recieve medical care. Black and American Indian/Alaska Native populations traveled the furthest.



Lack of Food security

Minority ethnic groups are less likely to have access to food and manage dietary restrictions to manage health conditions.



Socioeconomic status

Healthcare inequalities lead to decreased quality of life in addition to shorter lifespans.



Underfunded public transportation in urban areas to medical facilities



Prior chronic medical conditions

Minority ethnic groups experience increased pregnancy-related deaths, infant mortality, prevalence and severity of chronic conditions, and mental health risks when compared to white population.



Identifying Early warning signs of Maternal postpartum hemorrhage

Postpartum bleeding is unpredictable and delays in recognition contribute to a majority of deaths





Maternal confusion, agitation, or unresponsiveness; diagnosis of preeclampsia reporting a headache or shortness of breath



Systolic BP (mm Hg) <90 or >160

Diastolic BP (mm Hg) <100



Heart rate (beats per min) < 50 or >120





Respiratory rate (breaths per min) <10 or >30



Oxygen saturation on room air, at sea level, % <95





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