Maternal Mortality in Arizona, 2016-2018

MMRC Reviewed Deaths in Arizona of Women 15-49 Years Old with a Pregnancy in the Previous 365 Days

Close to 1 in 4 deaths of women within 365 days of pregnancy were determined to be Pregnancy-Related Deaths.

![Pregnancy-Related Deaths](image)

- Associated but Not Related, (138) 68%
- Pregnancy-Related, (46) 23%
- Unable to Determine Relatedness, (19) 9%

The PRMR and PAMR in Arizona slightly decreased overall between 2016-2018.

<table>
<thead>
<tr>
<th>Year</th>
<th>PAMR</th>
<th>PRMR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>87.1</td>
<td>20.9</td>
</tr>
<tr>
<td>2017</td>
<td>70.8</td>
<td>15.6</td>
</tr>
<tr>
<td>2018</td>
<td>83.7</td>
<td>18.2</td>
</tr>
</tbody>
</table>

3-year ratios:

- Pregnancy-Associated Mortality Ratio (PAMR): 80.6
- Pregnancy-Related Mortality Ratio (PRMR): 18.3

85% of Pregnancy-Associated deaths were considered PREVENTABLE

**Definitions**

**Preventability:**
A death is considered preventable if the committee determines that there was at least some chance of the death being averted by one or more reasonable changes to patient, community, provider, facility, and/or systems factors.

**Pregnancy-Associated:**
The death of a woman during pregnancy or within one year of the end of pregnancy, regardless of the cause.

**Pregnancy-Associated Mortality Ratio (PAMR)**
The number of pregnancy-associated deaths per 100,000 live births. It is a ratio, rather than a rate, because the denominator contains only live births and not all pregnant women who are at risk of maternal death.

**Pregnancy-Related:**
The death of a woman while pregnant or within 1 year of the end of a pregnancy – regardless of the outcome, duration, or site of the pregnancy – from any cause related to or aggravated by the pregnancy or its management. The Arizona Maternal Mortality Review Committee reviews every maternal death occurring in Arizona to determine pregnancy-relatedness and causes of death, as well as opportunities to prevent these deaths in the future. Below is an overview of Arizona’s 2016-2018 maternal mortality outcomes.

**Maternal mortality** is the death of a woman while pregnant or within 1 year of the end of a pregnancy – regardless of the outcome, duration, or site of the pregnancy – from any cause related to or aggravated by the pregnancy or its management. The Arizona Maternal Mortality Review Committee reviews every maternal death occurring in Arizona to determine pregnancy-relatedness and causes of death, as well as opportunities to prevent these deaths in the future. Below is an overview of Arizona’s 2016-2018 maternal mortality outcomes.

**American Indian/Alaska Native women experienced the highest Pregnancy-Associated Mortality Ratio.**
(Deaths per 100,000 live births)

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>PAMR</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian/Alaska Native</td>
<td>140.4</td>
</tr>
<tr>
<td>Black</td>
<td>116.5</td>
</tr>
<tr>
<td>White</td>
<td>105.0</td>
</tr>
<tr>
<td>Hispanic</td>
<td>41.5</td>
</tr>
</tbody>
</table>

American Indian/Alaska Native women experienced the highest Pregnancy-Associated Mortality Ratio.

The Pregnancy-Associated Mortality Ratio in the Northern and Western Region of Arizona were the highest in the state. (Deaths per 100,000 live births)

For additional information, email maternalhealth@azdhs.gov

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