

Nevada Infant Deaths and Unsafe Sleep Environment 2010-2016

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Office of Analytics

Department of Health and Human Services

On behalf of the Division of Public and Behavioral Health

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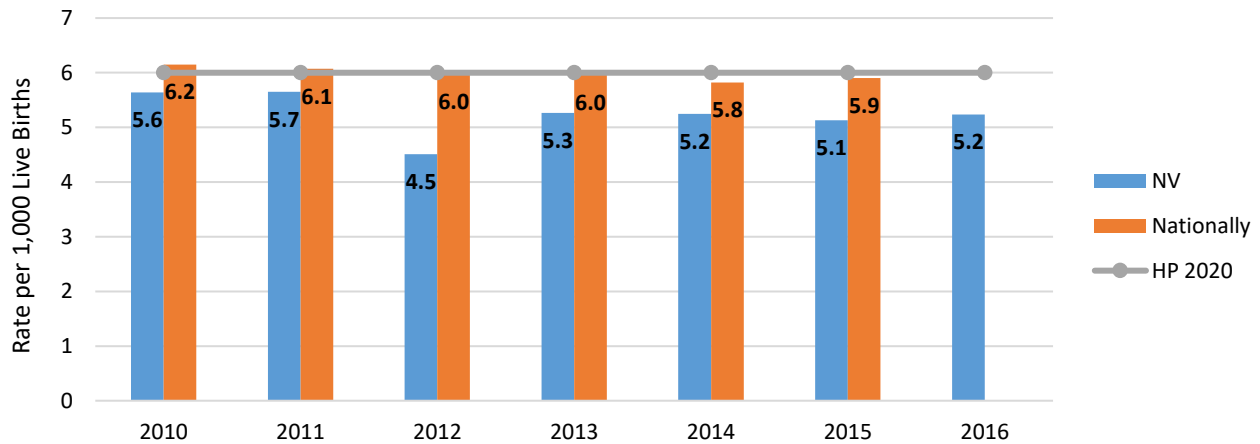
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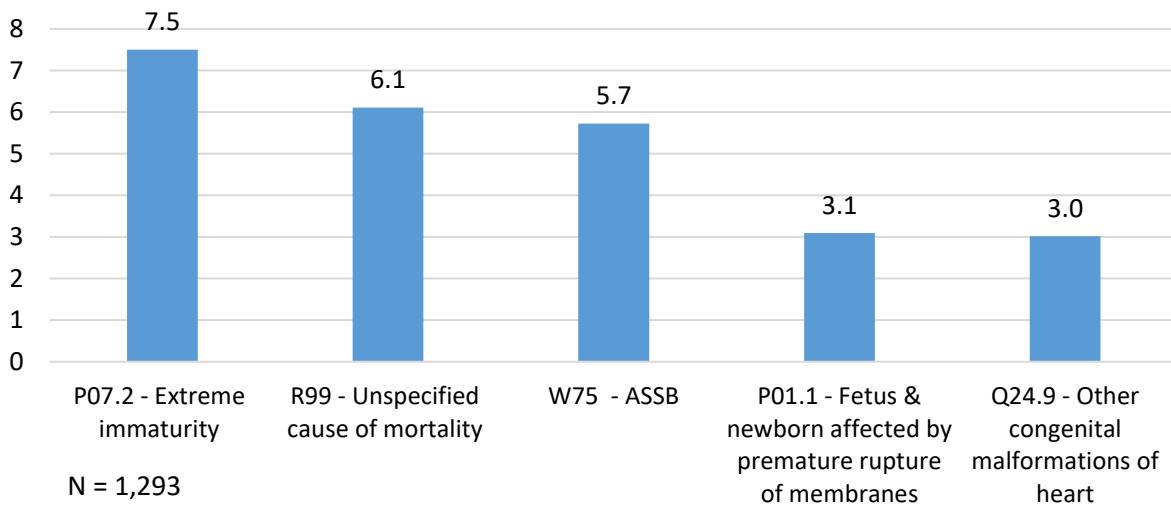
Nevada Infant Deaths

From 2010 to 2016 there were a total of 1,293 infant mortalities determined of Nevada residents. Infant mortalities are defined as a death before the age of 1¹. The top five causes of infant mortalities in Nevada were extreme immaturity (7.5%), unspecified cause (6.1%), accidental suffocation and strangulation in bed (ASSB) (5.7%), fetus and newborn affected by premature rupture of membranes (3.1%), and other congenital malformations of the heart (3.0%).

Infant Mortality per 1,000 Live Births, Nevada Residents, 2010 - 2016



Top 5 Causes of Infant Mortalities, as Percentages of Total Infant Mortalities, Nevada Residents, 2010 - 2016



1. <https://www.cdc.gov/reproductivehealth/maternalinfanthealth/infantmortality.htm>

Unsafe Sleep Environment

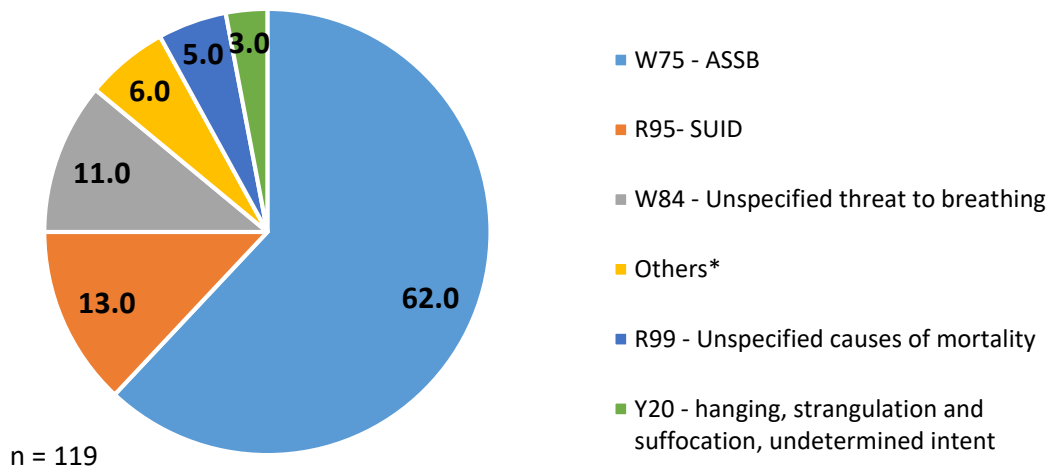
Mortalities with a contributing factor of unsafe sleep environment were gathered by using the following ICD-10 codes:

- W75 for accidental suffocation and strangulation in bed (ASSB)
- T71 for asphyxia
- R99 and R96 for undetermined cause of death[^]
- R95 Sudden Unexplained Infant Death Syndrome[^]

[^]Cases of R95, R96, and R99 were further reviewed if co-sleeping or unsafe sleep environment details were included to be kept in the analysis.

Out of the 119 deaths identified, the cause of death for 74 infants was due to accidental suffocation and strangulation in bed (ASSB) W75, accounting for 62% of unsafe sleep deaths. Out of the 74 infants with the cause of death of W75, 28 of the infants had details of unsafe sleep such as inappropriate sleeping condition, soft bedding, and prone sleeping (sleeping face down) listed.

Percent of Infant Deaths due to Unsafe Sleep Environment by Specific Cause of Death, Nevada Residents, 2010 - 2016

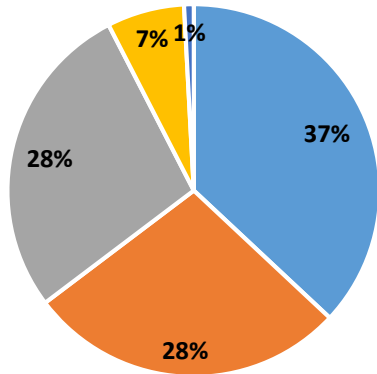


*Others: includes cause of deaths due to B34.8, J12.9, W06, W23, W78, W83, and X91.

1. <https://www.cdc.gov/reproductivehealth/maternalinfanthealth/infantmortality.htm>

By race and ethnicity, White infants accounted for the highest percent of unsafe sleep environment deaths at 37% followed by Hispanic infants and Black infants at 28% each.

Percent of Unsafe Sleep Environment Infant Deaths by Race and Ethnicity, Nevada Residents, 2010 - 2016



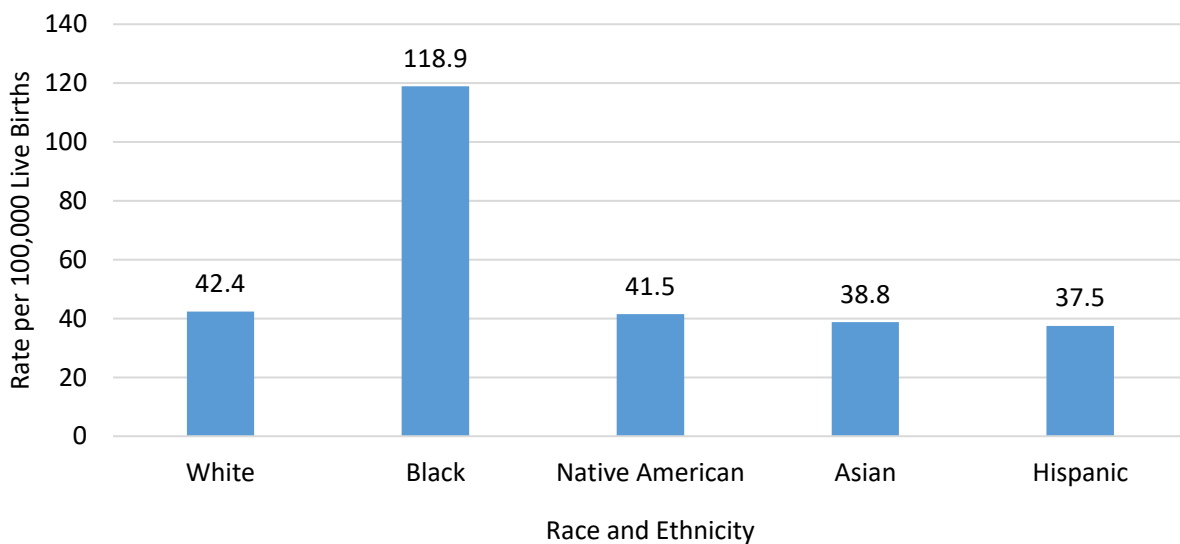
■ White ■ Black ■ Hispanic ■ Asian ■ Native American

N = 119

Unsafe Sleep Environment Infant Deaths by Race and Ethnicity, Nevada Residents, 2010 -2016	
	Count
White	44
Black	33
Native American	1
Asian	8
Hispanic	33
Total	119

Unsafe sleep environment deaths by rate show Black infants have the highest rate of death at 118.9 per 100,000 live births, three times the rate of Hispanic infants, who have the lowest rate at 37.5 per 100,000 live births.

Unsafe Sleep Environment Infant Death Rate per 100,000 Live Births by Race and Ethnicity, Nevada Residents, 2010 - 2016



1. <https://www.cdc.gov/reproductivehealth/maternalinfanthealth/infantmortality.htm>