Homework #1

This report represents 2019-2021 US maternal mortality rates under the ICD-10 codes O95-O99 (Other obstetric conditions, not elsewhere classified). The data was sourced from wonder.cdc.gov; Microsoft Excel was used to process and analyze the data. Unreliable and suppressed data was omitted, so that calculations could be made only on reliable complete data. Therefore, the report does not represent all years for all states. 33 states were included based on the acceptable data criteria.

1) What is national average of maternal mortality rates during the pandemic?

An average of 763 deaths occurred each year due to maternal mortality (US, 2019-2021, O95-O99 ICD-10).

2) What are the states with the highest and lowest maternal mortality rates in the US during the pandemic?

Texas had the highest overall rate, at 292 total deaths for the three years.

Minnesota and Iowa had the lowest overall rates, both at 10 total deaths for the three years.

Caveat: The data excluded values below 10, so states with fewer than 10 deaths in a year are not represented.

3) What is the temporal pattern of maternal mortality rate during the pandemic? (Compare year by year)

Maternal mortality rates increased each year from 2019-2021. The following table shows total deaths and the percent increase from the previous year.

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| --- | --- | --- |
| Year | Total Deaths | Percent Increase |
| 2019 | 500 | N/A |
| 2020 | 616 | 23.2 |
| 2021 | 1173 | 90.4 |