Using CDC Wonder to Identify ICD-10 based estimates of ‘pregnancy-associated’ deaths,

as used in Funding Opportunity CDC-RFA-DP22-2211, Preventing Maternal Mortality: Supporting Maternal Mortality Review Committees

1. Go to the CDC Wonder home page: https://wonder.cdc.gov/

2. Under the Deaths heading, select “Underlying Cause of Death”

Deaths
All Ages
- Underlying Cause of Death
- Multiple Cause of Death
  (Provisional)
- Multiple Cause of Death (Final)

3. You will then be taken to page with the heading “All Ages Deaths by Underlying Cause”. Select 1999-2020: Underlying Cause of Death by Bridged-Race Categories

<table>
<thead>
<tr>
<th>All Ages Deaths by Underlying Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999-2020: Underlying Cause of Death by Bridged-Race Categories</td>
</tr>
<tr>
<td>2018-2020: Underlying Cause of Death by Single-Race Categories</td>
</tr>
<tr>
<td>1968-2016: Compressed Mortality</td>
</tr>
</tbody>
</table>

4. You will then be taken to a page where you need to acknowledge you will abide by the terms of data use. Select “I agree” at the bottom of the page.

By clicking the "I Agree" button I signify that I will abide by the terms of data use stated above and understand the sanctions and legal penalties for violation of these terms of use.

5. You will now be on the Data Query page. Under “1. Organize table layout” the default “Group Results By” is “Census Region”.

<table>
<thead>
<tr>
<th>1. Organize table layout:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group Results By: Census Region</td>
</tr>
<tr>
<td>And By: None</td>
</tr>
<tr>
<td>And By: None</td>
</tr>
<tr>
<td>And By: None</td>
</tr>
<tr>
<td>And By: None</td>
</tr>
</tbody>
</table>

Change “Census Region” to “State”
Scroll down to “2. Select location”, and click your state (under the “Browse” tab where states are listed).

Once you click on your state, it should appear in the “Currently selected:” box. Here, we selected Alabama.

6. Next, scroll down to “4. Select year and month:”. Under the “Browse” tab, in the “Year/Month” box, select years 2017, 2018, and 2019. To do this, scroll down to where all 3 years are visible in the “Year/Month” box; click on 2017. While pressing the “shift” key down, click on 2019. 2017, 2018, and
2019 should now be in the “Currently selected” box. Note: “All” should not be in the “Currently selected:” box.

7. Next, scroll down to “6. Select cause of death”

In the “Browse” tab, under the “ICD-10 Codes” box, scroll down and select “+O00-O99 (Pregnancy, childbirth, and the puerperium)” which should now be in the “Currently selected:” box.
### 6. Select cause of death:

Click a button to select ICD codes by Chapters or by Groups.

- ICD-10 Codes
- ICD-10 130 Cause List (Infants)
- ICD-10 113 Cause List
- Drug/Alcohol Induced Causes
- Injury Intent and Mechanism

Browse or search to find items in the ICD-10 Codes Finder Tool, then highlight the items to use for this request. (The Currently selected box displays all current request items.)

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#### ICD-10 Codes

- 000-099 (Pregnancy, childbirth and the puerperium)
- P00-P96 (Certain conditions originating in the perinatal period)
- Q00-Q99 (Congenital malformations, deformations and chromosomal abnormalities)
- R00-R99 (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified)
- U00-U99 (Codes for special purposes)

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### 8. Now, Scroll down to “7. Other options:”. Show Totals will already be selected for you.

#### 7. Other options:

- **Export Results**  
  - (Check box to download results to a file)
- **Show Totals**  
  - Check box
- **Show Zero Values**  
  - Uncheck box
- **Show Suppressed Values**  
  - Uncheck box
- **Precision**  
  - Selected: 1 decimal places
- **Data Access Timeout**  
  - Selected: 10 minutes

In addition, select “Show Zero Values” and “Show Suppressed Values” as shown below.

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### 9. Press the “Send” button at the bottom of the page.
10. You should receive your output from the query, which should look like the output below.

The number of Deaths in the second column, between “State” and “Population” is the 3-year total.

To calculate the 3-year average, this total number should be divided by 3. If the 3 year count is ‘suppressed’ then the 3 year average is categorized as <4 per year.

In the above example, we would divide “134” by 3 to get a 3-year average of 44.7. Rounding to the nearest whole number, the final 3-year average from this example is 45.