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Tennessee Initiative for Perinatal Quality Care  **Cardiac Conditions in Obstetric Care**

**MONTHLY CAPTURE OF OUTCOME & PROCESS MEASURES**

**OUCTOME MEASURES**

**#1. NTSV Cesarean Birth Rate Among People with Cardiac Conditions**

* Denominator[[1]](#footnote-1) = Among people with cardiac conditions, those with live births who have their first birth ≥ 37 completed weeks gestation and have a singleton in vertex (Cephalic) position
* Numerator2 = among the denominator, those with a Cesarean Birth

**#2.** **Preterm Birth Rate Coming People with Cardiac Conditions**

* Denominator1 = Singleton live births among people with cardiac conditions
* Numerator2= among the denominator, preterm live births (<37 weeks completed gestation)

**Potential disparities across Structural & Social Determinants of Health (SSDOH):**

* “Overall” numerator and denominator counts will be captured for each outcome measure as well as counts *disaggregated by (1) mother’s race/ethnicity and (2) payor type*.
  + Mother’s race/ethnicity defined as Non-Hispanic (NH) White, NH Black, Hispanic
    - The denominator would translate to (for example), the number of NTSV women who self-identified as White Non-Hispanic. The numerator would then count the number of these *White Non-Hispanic* women who had a cesarean birth.
    - If a woman’s race/ethnicity is not one of these values or is missing in her medical record, the woman will be included in the “overall” numerator/denominator counts but excluded from the disaggregated counts.
  + Payor type defined as Medicaid (may include CHIP and Medicare); Private insurance; Other public insurance (may include military insurance, IHS, other state or federal source); or Uninsured (may include those who self-pay, are not charged for services, or another payer).

***IMPORTANT:*** Please see the ‘Measures: How will we know that a change is an improvement” section of project Toolkit for a more precise definition of the target population, additional ACOG key labor definitions, and relevant ICD-10 codes for data extraction.

**#1. NTSV Cesarean Birth Rate Among People with Cardiac Conditions**

⭢ Overall and disaggregated by mother’s race/ethnicity:

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| **MONTH** | **Overall** | | | **NH White** | | | **NH Black** | | | **Hispanic** | | | **Other** | | |
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⭢ Disaggregated by payor type:

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| **MONTH** | **Medicaid** | | | **Private** | | | **Other Public** | | | **Uninsured** | | | |
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**#2. Preterm Birth Rate Among People with Cardiac Conditions**

⭢ Overall and disaggregated by mother’s race/ethnicity:

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| **MONTH** | **Overall** | | | **NH White** | | | **NH Black** | | | **Hispanic** | | | **Other** | | |
| (MM/YY) | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** |
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⭢ Disaggregated by payor type:

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| **MONTH** | **Medicaid** | | | **Private** | | | **Other Public** | | | **Uninsured** | | |
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**PROCESS MEASURES (#1-3)**

**#1. Standardized Pregnancy Risk Assessment for People with Cardiac Conditions** (Ex. Of standardized pregnancy risk assessment tools include mWHO, CARPREG I & II, ZAHARA)

* + Denominator1 = Patients with cardiac conditions **diagnosed** **prior to their birth admission**
  + Numerator2 = Among the denominator, those who received a pregnancy risk classification using a standardized cardiac risk assessment tool by the time of their birth admission

**#2. Cardiovascular Disease (CVD) Assessment Among Pregnant and Postpartum Women**

* + Denominator1 = All Birth admissions
  + Numerator2 = among the denominator, those with documentation of cardiovascular disease assessment using a standardized tool.

**#3. Multidisciplinary Care Plan for Pregnant People with Cardiac Conditions**

* + Denominator1 = Patient diagnosed with cardiac conditions **prior to birth admission**
  + Numerator2= among the denominator, those who had a multidisciplinary care plan for birth established by the time of their birth admission

Reference: the AIM “Data Collection Plan” for the CCOC Bundle. The definition has been directly copied and pasted.

2 Reference: the AIM “Data Collection Plan” for the CCOC Bundle. The definition has been directly copied and pasted

**#1. Standardized Pregnancy Risk Assessment for People with Cardiac Conditions**

⭢ Overall and disaggregated by mother’s race/ethnicity:

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| **MONTH** | **Overall** | | | **NH White** | | | **NH Black** | | | **Hispanic** | | | **Other** | | |
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⭢ Disaggregated by payor type:

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| **MONTH** | **Medicaid** | | | **Private** | | | **Other Public** | | | | **Uninsured** | | | |
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**#2. Cardiovascular Disease (CVD) Assessment Among Pregnant and Postpartum Women**

⭢ Overall and disaggregated by mother’s race/ethnicity:

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| **MONTH** | **Overall** | | | **NH White** | | | **NH Black** | | | **Hispanic** | | | **Other** | | |
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⭢ Disaggregated by payor type:

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| **MONTH** | **Medicaid** | | | **Private** | | | **Other Public** | | | **Uninsured** | | |
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**#3. Multidisciplinary Care Plan for Pregnant People with Cardiac Conditions**

⭢ Overall and disaggregated by mother’s race/ethnicity:

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| **MONTH** | **Overall** | | | **NH White** | | | **NH Black** | | | **Hispanic** | | | **Other** | | |
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⭢ Disaggregated by payor type:

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| **MONTH** | **Medicaid** | | | **Private** | | | **Other Public** | | | **Uninsured** | | |
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**EXAMPLE**

⭢ Overall and disaggregated by mother’s race/ethnicity:

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| **MONTH** | **Overall** | | | **NH White** | | | **NH Black** | | | **Hispanic** | | | **Other** | | |
| (MM/YY) | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** |
| 01/24 | 35 | 120 | 29.1 | 27 | 81 | 33.3 | 5 | 19 | 26.3 | 2 | 12 | 16.7 | 1 | 8 | 12.5 |
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|  | **Numerator in each racial category should equal the overall numerator. This is the same for the denominator.** | | | | | | | | | |  |  |  |  |  |
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⭢ Disaggregated by payor type:

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| **MONTH** | **Medicaid** | | | **Private** | | | **Other Public** | | | **Uninsured** | | |
| (MM/YY) | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** | **N** | **D** | **%** |
| 01/24 | 20 | 70 | 28.5 | 10 | 30 | 33.3 | 4 | 15 | 26.7 | 1 | 5 | 20 |
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|  | **The numerator here should equal the overall numerator in the previous chart.** | | | | | | | | |  |  |  |
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1. Reference: the AIM “Data Collection Plan” for the CCOC Bundle. The definition has been directly copied and pasted. [↑](#footnote-ref-1)