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| --- | --- |
| **eCQM Title** | **Cesarean Birth** |
| **eCQM Identifier (Measure Authoring Tool)** | 334 | **eCQM Version number** | 1.1.029 |
| **NQF Number** | None | **GUID** | fc52d0de-b53d-4ccf-816e-1e527748d2d9 |
| **Measurement Period** | January 1, 20XX through December 31, 20XX |
| **Measure Steward** | The Joint Commission |
| **Measure Developer** | The Joint Commission |
| **Endorsed By** | None |
| **Description** | Nulliparous women with a term, singleton baby in a vertex position delivered by cesarean birth |
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| **Disclaimer** | These performance measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications. The measures and specifications are provided without warranty. |
| **Measure Scoring** | Proportion |
| **Measure Type** | Outcome |
| **Stratification** | None |
| **Risk Adjustment** | None |
| **Rate Aggregation** | None |
| **Rationale** | The removal of any pressure to not perform a cesarean birth has led to a skyrocketing of hospital, state and national cesarean birth (CB) rates. Some hospitals now have CB rates over 50%. Hospitals with CB rates at 15-20% have infant outcomes that are just as good and better maternal outcomes (Gould et al., 2004). There are no data that higher rates improve any outcomes, yet the CB rates continue to rise. This measure seeks to focus attention on the most variable portion of the CB epidemic, the term labor CB in nulliparous women. This population segment accounts for the large majority of the variable portion of the CB rate, and is the area most affected by subjectivity. As compared to other CB measures, what is different about nulliparous, term singleton vertex (NTSV) CB rate (low-risk primary CB in first births) is that there are clear cut quality improvement activities that can be done to address the differences. Main et al. (2006) found that over 60% of the variation among hospitals can be attributed to first birth labor induction rates and first birth early labor admission rates. The results showed if labor was forced when the cervix was not ready the outcomes were poorer. Alfirevic et al. (2004) also showed that labor and delivery guidelines can make a difference in labor outcomes. Many authors have shown that physician factors, rather than patient characteristics or obstetric diagnoses, are the major driver for the difference in rates within a hospital (Berkowitz, et al., 1989; Goyert et al., 1989; Luthy et al., 2003). The dramatic variation in NTSV rates seen in all populations studied is striking according to Menacker (2006). Hospitals within a state (Coonrod et al., 2008; California Office of Statewide Hospital Planning and Development [OSHPD], 2007) and physicians within a hospital (Main, 1999) have rates with a 3-5 fold variation. |
| **Clinical Recommendation Statement** | The American College of Obstetrics and Gynecology (ACOG) report, Evaluation of Cesarean Delivery, recognizes the importance of the Nulliparous, Term Singleton Vertex (NTSV) population as the optimal focus for measurement and quality improvement action. A reduction in the number of nulliparous patients with live term singleton newborns in vertex position delivering by cesarean birth will result in increased patient safety, a substantial decrease in maternal and neonatal morbidity and substantial savings in health care costs. |
| **Improvement Notation** | Improvement noted as a decrease in the rate |
| **Reference** | American College of Obstetricians and Gynecologists. (2000). Task Force on Cesarean Delivery Rates. Evaluation of Cesarean Delivery. (Developed under the direction of the Task Force on Cesarean Delivery Rates, Roger K. Freeman, MD, Chair, Arnold W. Cohen, MD, Richard Depp III, MD, Fredric D. Frigoletto Jr, MD, Gary D.V. Hankins, MD, Ellice Lieberman, MD, DrPH, M. Kathryn Menard, MD, David A. Nagey, MD, Carol W. Saffold, MD, Lisa Sams, RNC, MSN and ACOG Staff: Stanley Zinberg, MD, MS, Debra A. Hawks, MPH, and Elizabeth Steele). |
| **Reference** | Alfirevic, Z., Edwards, G., & Platt, M.J. (2004). The impact of delivery suite guidelines on intrapartum care in standard primigravida. Eur J Obstet Gynecol Reprod Biol.115:28-31. |
| **Reference** | Berkowitz, G.S., Fiarman, G.S., Mojica, M.A., et al. (1989). Effect of physician characteristics on the cesarean birth rate. Am J Obstet Gynecol. 161:146-9. |
| **Reference** | California Office of Statewide Hospital Planning and Development. (2006). Utilization Rates for Selected Medical Procedures in California Hospitals, Retrieved from the Internet on February 11, 2010 at: http://www.oshpd.ca.gov/HID/Products/PatDischargeData/ResearchReports/HospIPQualInd/Vol-Util\_IndicatorsRpt/2007Util.pdf |
| **Reference** | Bailit, J.L., Love, T.E., & Dawson, N.V. (2006). Quality of obstetric care and risk-adjusted primary cesarean delivery rates. Am J Obstet Gynecol.194:402. |
| **Reference** | Coonrod, D.V., Drachman, D., Hobson, P., & Manriquez, M. (2008). Nulliparous term singleton vertex cesarean delivery rates: institutional and individual level predictors. Am J Obstet Gynecol. 694-696. |
| **Reference** | Gould, J., Danielson, B., Korst, L., Phibbs, R., Chance, K.,& Main, E.K., et al. (2004). Cesarean delivery rate and neonatal morbidity in a low-risk population. Am J Obstet Gynecol, 104:11-19. |
| **Reference** | Goyert, G.L., Bottoms, F.S., Treadwell, M.C., et al. (1989). The physician factor in cesarean birth rates. N Engl J Med.320:706-9. |
| **Reference** | Luthy, D.A., Malmgren, J.A., Zingheim, R.W., & Leininger, C.J. (2003). Physician contribution to a cesarean delivery risk model. Am J Obstet Gynecol.188:1579-85. |
| **Reference** | Main, E.K. (1999). Reducing cesarean birth rates with data-driven quality improvement activities. Peds. 103: 374-383. |
| **Reference** | Main, E.K., Moore, D., Farrell, B., Schimmel, L.D., Altman, R.J., Abrahams, C., et al., (2006). Is there a useful cesarean birth measure? Assessment of the nulliparous term singleton vertex cesarean birth rate as a tool for obstetric quality improvement. Am J Obstet Gynecol. 194:1644-51. |
| **Reference** | Menacker, F. (2005). Trends in cesarean rates for first births and repeat cesarean rates for low-risk women: United States, 1990-2003. Nat Vital Stat Rep. 54(4): 1-5. |
| **Reference** | U.S. Department of Health and Human Services. (2000). Healthy People 2010: Understanding and Improving Health. 2nd ed. Washington, DC: U.S. Government Printing Office. Measure 16-9. |
| **Definition** | None |
| **Guidance** | Vertex position is modeled implicitly, as the measure excludes deliveries with abnormal presentations.Patients who do not receive prenatal care and have no documented gestational age are implicitly excluded from the measure, as gestational age must be documented to meet denominator criteria. Wherever the gestational age is mentioned with relative timing to delivery, the intent is to capture the estimated gestational age on the day of delivery. The delivery or operating room record is the preferred source for gestational age documentation. It is acceptable to use data derived from vital records reports received from state or local departments of public health, delivery logs or clinical information systems if they are available and are directly derived from the medical record with a process in place to confirm their accuracy. It is acceptable to calculate Gestational Age using the American College of Obstetricians and Gynecologists ReVITALize guidelines, which define Gestational Age as calculated using the best obstetrical Estimated Due Date (EDD) based on the formula: Gestational Age= (280-(EDD-Reference Date))/7where Reference Date is the date on which you are trying to determine gestational age. Reference Date is the Date of Delivery.Note however the calculation may yield a non-whole number and gestational age should be rounded off to the nearest completed week. For example, an infant born on the 5th day of the 36th week (35 weeks and 5/7 days) is at a gestational age of 35 weeks, not 36 weeks.The timing relationship of authorDatetime 42 weeks or less before or concurrent with TimeOfDelivery.authorDatetime is applied to the data elements of parity, gravida, preterm/term live births for which prenatal records may include relevant information. The denominator includes logic to determine if the patient has had previous live births. The patient has not had previous live births when one of the following is true:  Parity equals zero Gravida equals one Preterm and Term births both equal zero Parity, preterm and term live births may be updated by the electronic health record software or by clinicians during a delivery encounter. To capture the pre-delivery value, organizations may need to create a rule or calculation to capture the number prior to the delivery start time. Note 1. http://www.acog.org/About-ACOG/ACOG-Departments/Patient-Safety-and-Quality-Improvement/reVITALize |
| **Transmission Format** | None |
| **Initial Population** | Patients age >= 8 years and < 65 admitted to the hospital for inpatient acute care to undergo a delivery procedure and had a length of stay less than or equal to 120 days that ends during the measurement period  |
| **Denominator** | Nulliparous patients delivered of a live term singleton newborn >= 37 weeks' gestation |
| **Denominator Exclusions** | Patients with abnormal presentations or single stillbirth during the encounter, or patients with multiple gestations recorded <= 42 weeks prior to the end of the encounter |
| **Numerator** | Patients with cesarean births |
| **Numerator Exclusions** | None |
| **Denominator Exceptions** | None |
| **Supplemental Data Elements** | For every patient evaluated by this measure also identify payer, race, ethnicity and sex |

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* [Definitions](file:///C%3A%5CUsers%5Cparenzm%5CAppData%5CLocal%5CTemp%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5CCesareanBirth_v5_5_Artifacts%5CCesareanBirth_v5_5_HumanReadable.html#d1e649)
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* [Terminology](file:///C%3A%5CUsers%5Cparenzm%5CAppData%5CLocal%5CTemp%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5CCesareanBirth_v5_5_Artifacts%5CCesareanBirth_v5_5_HumanReadable.html#d1e555)
* [Data Criteria (QDM Data Elements)](file:///C%3A%5CUsers%5Cparenzm%5CAppData%5CLocal%5CTemp%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5CCesareanBirth_v5_5_Artifacts%5CCesareanBirth_v5_5_HumanReadable.html#d1e647)
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* [Risk Adjustment Variables](file:///C%3A%5CUsers%5Cparenzm%5CAppData%5CLocal%5CTemp%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5CCesareanBirth_v5_5_Artifacts%5CCesareanBirth_v5_5_HumanReadable.html#d1e879)

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* + **Initial Population**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years"

* + **Denominator**
		- * "Gestational Age 37 Plus Weeks at Delivery"
			* intersect "Singleton Delivery Encounters"
			* intersect ( "Gravida 1 at Delivery"
			* union "Parity 0 at Delivery"
			* union ( "Preterm Births 0 at Delivery"
			* intersect "Term Births 0 at Delivery"
			* )
			* )

* + **Denominator Exclusions**
		- * "Multiple Gestation Encounters"
			* union "Abnormal Presentation Encounters"
			* union "Single Stillbirth Encounters"

* + **Numerator**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters
			* with ["Procedure, Performed": "Cesarean Birth"] CesareanBirth
			* such that CesareanBirth.relevantPeriod during DeliveryEncounters.relevantPeriod

* + **Numerator Exclusions**
		- **None**
	+ **Denominator Exceptions**
		- **None**
	+ **Stratification**
		- **None**

**[Definitions](file:///C%3A%5C%5CUsers%5C%5Cparenzm%5C%5CAppData%5C%5CLocal%5C%5CTemp%5C%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5C%5CCesareanBirth_v5_5_Artifacts%5C%5CCesareanBirth_v5_5_HumanReadable.html%22%20%5Cl%20%22toc)**

* + **Abnormal Presentation Encounters**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters
			* where exists ( DeliveryEncounters.diagnoses EncounterDiagnosis
			* where EncounterDiagnosis in "Abnormal Presentation"
			* )

* + **Delivery Encounters Ages 8 Years to Less than 65 Years**
		- * "Encounters Ages 8 Years to Less than 65 Years" QualifyingEncounters
			* with ["Procedure, Performed": "Delivery Procedures"] DeliveryProcedures
			* such that DeliveryProcedures.relevantPeriod starts during QualifyingEncounters.relevantPeriod

* + **Denominator**
		- * "Gestational Age 37 Plus Weeks at Delivery"
			* intersect "Singleton Delivery Encounters"
			* intersect ( "Gravida 1 at Delivery"
			* union "Parity 0 at Delivery"
			* union ( "Preterm Births 0 at Delivery"
			* intersect "Term Births 0 at Delivery"
			* )
			* )

* + **Denominator Exclusion**
		- * "Multiple Gestation Encounters"
			* union "Abnormal Presentation Encounters"
			* union "Single Stillbirth Encounters"

* + **Encounters Ages 8 Years to Less than 65 Years**
		- * Global."Inpatient Encounter" InpatientEncounter
			* with ["Patient Characteristic Birthdate"] BirthDate
			* such that Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of InpatientEncounter.relevantPeriod)>= 8
			* and Global."CalendarAgeInYearsAt"(BirthDate.birthDatetime, start of InpatientEncounter.relevantPeriod)< 65

* + **Gestational Age 37 Plus Weeks at Delivery**
		- * from
			* "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters,
			* "Gestational Age of 37 Plus Weeks" Gestation37PlusWeeks,
			* "Time of Delivery Encounters" TimeOfDelivery
			* where TimeOfDelivery.authorDatetime during DeliveryEncounters.relevantPeriod
			* and Gestation37PlusWeeks.authorDatetime 1 day or less on or before TimeOfDelivery.authorDatetime
			* return DeliveryEncounters

* + **Gestational Age of 37 Plus Weeks**
		- * ["Assessment, Performed": "Estimated Gestational Age at Delivery"] GestationalAge
			* where ( GestationalAge.result as Quantity ) >= 37 weeks

* + **Gravida 1 at Delivery**
		- * from
			* "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters,
			* "Is Gravida 1" GravidaOne,
			* "Time of Delivery Encounters" TimeOfDelivery
			* where TimeOfDelivery.authorDatetime during DeliveryEncounters.relevantPeriod
			* /\* "Day Of" logic used to ignore time of day. Second line of timing logic needed to constrain the author time to no later than the time of delivery. \*/
			* and GravidaOne.authorDatetime 42 weeks or less before or on day of TimeOfDelivery.authorDatetime
			* and GravidaOne.authorDatetime before or on TimeOfDelivery.authorDatetime
			* return DeliveryEncounters

* + **Initial Population**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years"

* + **Is Gravida 1**
		- * ["Assessment, Performed": "Gravida"] Gravida
			* where ( Gravida.result = 1 )

* + **Is Parity 0**
		- * ["Assessment, Performed": "Parity"] Parity
			* where ( Parity.result = 0 )

* + **Global.Inpatient Encounter**
		- * ["Encounter, Performed": "Encounter Inpatient"] EncounterInpatient
			* where "LengthInDays"(EncounterInpatient.relevantPeriod)<= 120
			* and EncounterInpatient.relevantPeriod ends during "Measurement Period"

* + **Multiple Gestation Encounters**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters
			* where exists ( ["Diagnosis": "Multiple Gestation"] MultipleGestationDiagnosis
			* where MultipleGestationDiagnosis.prevalencePeriod starts 42 weeks or less before or on day of end of DeliveryEncounters.relevantPeriod
			* )
			* or exists ( DeliveryEncounters.diagnoses EncounterDiagnosis
			* where EncounterDiagnosis in "Multiple Gestation"
			* )

* + **No History of Preterm Births**
		- * //This logic is evaluating if the mother has had prior preterm births.
			* ["Assessment, Performed": "Preterm"] Preterm
			* where ( Preterm.result = 0 )

* + **No History of Term Births**
		- * //This logic is evaluating if the mother has had prior term births.
			* ["Assessment, Performed": "Term Newborn"] TermNewborn
			* where ( TermNewborn.result = 0 )

* + **Numerator**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters
			* with ["Procedure, Performed": "Cesarean Birth"] CesareanBirth
			* such that CesareanBirth.relevantPeriod during DeliveryEncounters.relevantPeriod

* + **Parity 0 at Delivery**
		- * from
			* "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters,
			* "Is Parity 0" ParityZero,
			* "Time of Delivery Encounters" TimeOfDelivery
			* where TimeOfDelivery.authorDatetime during DeliveryEncounters.relevantPeriod /\* "Day Of" logic used to ignore time of day. Second line of timing logic needed to constrain the author time to no later than the time of delivery. \*/
			* and ParityZero.authorDatetime 42 weeks or less before or on day of TimeOfDelivery.authorDatetime
			* and ParityZero.authorDatetime before or on TimeOfDelivery.authorDatetime
			* return DeliveryEncounters

* + **Preterm Births 0 at Delivery**
		- * from
			* "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters,
			* "No History of Preterm Births" NoHistoryPreterm,
			* "Time of Delivery Encounters" TimeOfDelivery
			* where TimeOfDelivery.authorDatetime during DeliveryEncounters.relevantPeriod /\* "Day Of" logic used to ignore time of day. Second line of timing logic needed to constrain the author time to no later than the time of delivery. \*/
			* and NoHistoryPreterm.authorDatetime 42 weeks or less before or on day of TimeOfDelivery.authorDatetime
			* and NoHistoryPreterm.authorDatetime before or on TimeOfDelivery.authorDatetime
			* return DeliveryEncounters

* + **SDE Ethnicity**
		- * ["Patient Characteristic Ethnicity": "Ethnicity"]

* + **SDE Payer**
		- * ["Patient Characteristic Payer": "Payer"]

* + **SDE Race**
		- * ["Patient Characteristic Race": "Race"]

* + **SDE Sex**
		- * ["Patient Characteristic Sex": "ONC Administrative Sex"]

* + **Single Stillbirth Encounters**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters
			* where exists ( DeliveryEncounters.diagnoses EncounterDiagnosis
			* where EncounterDiagnosis in "Single Stillbirth"
			* )

* + **Singleton Delivery Encounters**
		- * "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters
			* where exists ( DeliveryEncounters.diagnoses EncounterDiagnosis
			* where EncounterDiagnosis in "Delivery of Singleton"
			* )

* + **Term Births 0 at Delivery**
		- * from
			* "Delivery Encounters Ages 8 Years to Less than 65 Years" DeliveryEncounters,
			* "No History of Term Births" NoHistoryTerm,
			* "Time of Delivery Encounters" TimeOfDelivery
			* where TimeOfDelivery.authorDatetime during DeliveryEncounters.relevantPeriod /\* "Day Of" logic used to ignore time of day. Second line of timing logic needed to constrain the author time to no later than the time of delivery. \*/
			* and NoHistoryTerm.authorDatetime 42 weeks or less before or on day of TimeOfDelivery.authorDatetime
			* and NoHistoryTerm.authorDatetime before or on TimeOfDelivery.authorDatetime
			* return DeliveryEncounters

* + **Time of Delivery Encounters**
		- * ["Assessment, Performed": "Time of Delivery"]

**[Functions](file:///C%3A%5C%5CUsers%5C%5Cparenzm%5C%5CAppData%5C%5CLocal%5C%5CTemp%5C%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5C%5CCesareanBirth_v5_5_Artifacts%5C%5CCesareanBirth_v5_5_HumanReadable.html%22%20%5Cl%20%22toc)**

* + **Global.CalendarAgeInYearsAt(BirthDateTime DateTime, AsOf DateTime)**
		- * years between ToDate(BirthDateTime)and ToDate(AsOf)

* + **Global.LengthInDays(Value Interval<DateTime>)**
		- * difference in days between start of Value and end of Value

* + **Global.ToDate(Value DateTime)**
		- * DateTime(year from Value, month from Value, day from Value, 0, 0, 0, 0, timezone from Value)

**[Terminology](file:///C%3A%5C%5CUsers%5C%5Cparenzm%5C%5CAppData%5C%5CLocal%5C%5CTemp%5C%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5C%5CCesareanBirth_v5_5_Artifacts%5C%5CCesareanBirth_v5_5_HumanReadable.html%22%20%5Cl%20%22toc)**

* valueset "Abnormal Presentation" (2.16.840.1.113762.1.4.1045.105)
* valueset "Cesarean Birth" (2.16.840.1.113883.3.117.1.7.1.282)
* valueset "Delivery of Singleton" (2.16.840.1.113762.1.4.1045.99)
* valueset "Delivery Procedures" (2.16.840.1.113762.1.4.1045.59)
* valueset "Encounter Inpatient" (2.16.840.1.113883.3.666.5.307)
* valueset "Estimated Gestational Age at Delivery" (2.16.840.1.113762.1.4.1045.26)
* valueset "Ethnicity" (2.16.840.1.114222.4.11.837)
* valueset "Gravida" (2.16.840.1.113762.1.4.1045.102)
* valueset "Multiple Gestation" (2.16.840.1.113762.1.4.1045.106)
* valueset "ONC Administrative Sex" (2.16.840.1.113762.1.4.1)
* valueset "Parity" (2.16.840.1.113762.1.4.1045.95)
* valueset "Payer" (2.16.840.1.114222.4.11.3591)
* valueset "Preterm" (2.16.840.1.113762.1.4.1045.108)
* valueset "Race" (2.16.840.1.114222.4.11.836)
* valueset "Single Stillbirth" (2.16.840.1.113762.1.4.1110.8)
* valueset "Term Newborn" (2.16.840.1.113762.1.4.1045.168)
* valueset "Time of Delivery" (2.16.840.1.113762.1.4.1045.28, version 20171016)

**[Data Criteria (QDM Data Elements)](file:///C%3A%5C%5CUsers%5C%5Cparenzm%5C%5CAppData%5C%5CLocal%5C%5CTemp%5C%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5C%5CCesareanBirth_v5_5_Artifacts%5C%5CCesareanBirth_v5_5_HumanReadable.html%22%20%5Cl%20%22toc)**

* "Assessment, Performed: Estimated Gestational Age at Delivery" using "Estimated Gestational Age at Delivery (2.16.840.1.113762.1.4.1045.26)"
* "Assessment, Performed: Gravida" using "Gravida (2.16.840.1.113762.1.4.1045.102)"
* "Assessment, Performed: Parity" using "Parity (2.16.840.1.113762.1.4.1045.95)"
* "Assessment, Performed: Preterm" using "Preterm (2.16.840.1.113762.1.4.1045.108)"
* "Assessment, Performed: Term Newborn" using "Term Newborn (2.16.840.1.113762.1.4.1045.168)"
* "Assessment, Performed: Time of Delivery" using "Time of Delivery (2.16.840.1.113762.1.4.1045.28, version 20171016)"
* "Diagnosis: Multiple Gestation" using "Multiple Gestation (2.16.840.1.113762.1.4.1045.106)"
* "Encounter, Performed: Encounter Inpatient" using "Encounter Inpatient (2.16.840.1.113883.3.666.5.307)"
* "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity (2.16.840.1.114222.4.11.837)"
* "Patient Characteristic Payer: Payer" using "Payer (2.16.840.1.114222.4.11.3591)"
* "Patient Characteristic Race: Race" using "Race (2.16.840.1.114222.4.11.836)"
* "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex (2.16.840.1.113762.1.4.1)"
* "Procedure, Performed: Cesarean Birth" using "Cesarean Birth (2.16.840.1.113883.3.117.1.7.1.282)"
* "Procedure, Performed: Delivery Procedures" using "Delivery Procedures (2.16.840.1.113762.1.4.1045.59)"

**[Supplemental Data Elements](file:///C%3A%5C%5CUsers%5C%5Cparenzm%5C%5CAppData%5C%5CLocal%5C%5CTemp%5C%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5C%5CCesareanBirth_v5_5_Artifacts%5C%5CCesareanBirth_v5_5_HumanReadable.html%22%20%5Cl%20%22toc)**

* **SDE Ethnicity**
	+ - ["Patient Characteristic Ethnicity": "Ethnicity"]

* **SDE Payer**
	+ - ["Patient Characteristic Payer": "Payer"]

* **SDE Race**
	+ - ["Patient Characteristic Race": "Race"]

* **SDE Sex**
	+ - ["Patient Characteristic Sex": "ONC Administrative Sex"]

**[Risk Adjustment Variables](file:///C%3A%5C%5CUsers%5C%5Cparenzm%5C%5CAppData%5C%5CLocal%5C%5CTemp%5C%5CTemp1_CesareanBirth_v5_5_Artifacts.zip%5C%5CCesareanBirth_v5_5_Artifacts%5C%5CCesareanBirth_v5_5_HumanReadable.html%22%20%5Cl%20%22toc)**

* None

|  |  |
| --- | --- |
| **Measure Set** | eMeasure Perinatal Care (ePC) |