

Statewide Medicaid Managed Care (SMMC) Program

Birth Outcomes PIP

This statewide PIP combines a focus on three Agency-defined measures of Birth Outcomes:

- a) Primary Cesarean Section (C-Section)
- b) Pre-term Delivery
- c) Neonatal Abstinence Syndrome (NAS)

Study Question

Do targeted interventions reduce the rates of:

- a) Primary C-Section deliveries?
- b) Pre-term deliveries?
- c) Deliveries of infants with NAS?

Study Population

All Medicaid eligible recipients who had a delivery in the measurement/calendar year and were enrolled in an SMMC plan for at least three continuous months prior to delivery.

Note: If a recipient has more than one delivery during the measurement period, only the first delivery is included in the numerator calculations.

Study Indicators

A:

Title: The percentage of women with deliveries who had a primary C-section during the measurement year.

Numerator: Total number of unduplicated deliveries by women who had a primary C-section during the measurement year. See the Data Collection Section, A, for codes.

Denominator: All Medicaid eligible recipients who had a delivery during the measurement year and were enrolled in an SMMC plan for at least three continuous months prior to delivery. See the Data Collection Section, D, for codes.

B:

Title: The percentage of women with pre-term deliveries during the measurement year.

Numerator: Total number of unduplicated pre-term deliveries during the measurement year. See the Data Collection Section, B, for codes.

Denominator: All Medicaid eligible recipients who had a delivery during the measurement year and were enrolled in an SMMC plan for at least three continuous months prior to delivery. See the Data Collection Section, D, for codes.

C:

Title: The number of infants diagnosed with NAS per 1000 deliveries.

Numerator: Total number of unduplicated deliveries of infants diagnosed with NAS. See the Data Collection Section, C, for codes.

Denominator: All Medicaid eligible recipients who had a delivery during the measurement year and were enrolled in an SMMC plan for at least three continuous months prior to delivery. See the Data Collection Section, D, for codes.

Calculation: (Numerator/Denominator) x 1000

Data Collection

Administrative – Claims, Encounters, and Eligibility

The Agency’s Bureau of Data Analytics will be running these metrics for the plans.

- A. Primary C-Section Codes:** C-sections are identified using the presence of APR-DRG 540 or the following procedure codes: 59510, 59514, 59515, 59618, 59620, 59622. Recipients with a prior C-section were identified using the presence of O3421 diagnosis codes.

- B. Preterm Delivery Codes:** The following diagnosis codes on the mother’s delivery encounter/claim are used to determine preterm labor and delivery.

Dx	Dx Desc
O6010X0	Preterm labor with preterm delivery, unspecified trimester, not applicable or unspecified
O6010X1	Preterm labor with preterm delivery, unspecified trimester, fetus 1
O6010X2	Preterm labor with preterm delivery, unspecified trimester, fetus 2
O6010X3	Preterm labor with preterm delivery, unspecified trimester, fetus 3
O6010X4	Preterm labor with preterm delivery, unspecified trimester, fetus 4
O6010X5	Preterm labor with preterm delivery, unspecified trimester, fetus 5
O6010X9	Preterm labor with preterm delivery, unspecified trimester, other fetus
O6012X0	Preterm labor second trimester with preterm delivery second trimester, not applicable or unspecified
O6012X1	Preterm labor second trimester with preterm delivery second trimester, fetus 1
O6012X2	Preterm labor second trimester with preterm delivery second trimester, fetus 2
O6012X3	Preterm labor second trimester with preterm delivery second trimester, fetus 3

O6012X4	Preterm labor second trimester with preterm delivery second trimester, fetus 4
O6012X5	Preterm labor second trimester with preterm delivery second trimester, fetus 5
O6012X9	Preterm labor second trimester with preterm delivery second trimester, other fetus
O6013X0	Preterm labor second trimester with preterm delivery third trimester, not applicable or unspecified
O6013X1	Preterm labor second trimester with preterm delivery third trimester, fetus 1
O6013X2	Preterm labor second trimester with preterm delivery third trimester, fetus 2
O6013X3	Preterm labor second trimester with preterm delivery third trimester, fetus 3
O6013X4	Preterm labor second trimester with preterm delivery third trimester, fetus 4
O6013X5	Preterm labor second trimester with preterm delivery third trimester, fetus 5
O6013X9	Preterm labor second trimester with preterm delivery third trimester, other fetus
O6014X0	Preterm labor third trimester with preterm delivery third trimester, not applicable or unspecified
O6014X1	Preterm labor third trimester with preterm delivery third trimester, fetus 1
O6014X2	Preterm labor third trimester with preterm delivery third trimester, fetus 2
O6014X3	Preterm labor third trimester with preterm delivery third trimester, fetus 3
O6014X4	Preterm labor third trimester with preterm delivery third trimester, fetus 4
O6014X5	Preterm labor third trimester with preterm delivery third trimester, fetus 5
O6014X9	Preterm labor third trimester with preterm delivery third trimester, other fetus
Z3A08	8 weeks gestation of pregnancy
Z3A09	9 weeks gestation of pregnancy
Z3A10	10 weeks gestation of pregnancy
Z3A11	11 weeks gestation of pregnancy
Z3A12	12 weeks gestation of pregnancy
Z3A13	13 weeks gestation of pregnancy
Z3A14	14 weeks gestation of pregnancy
Z3A15	15 weeks gestation of pregnancy
Z3A16	16 weeks gestation of pregnancy

Z3A17	17 weeks gestation of pregnancy
Z3A18	18 weeks gestation of pregnancy
Z3A19	19 weeks gestation of pregnancy
Z3A20	20 weeks gestation of pregnancy
Z3A21	21 weeks gestation of pregnancy
Z3A22	22 weeks gestation of pregnancy
Z3A23	23 weeks gestation of pregnancy
Z3A24	24 weeks gestation of pregnancy
Z3A25	25 weeks gestation of pregnancy
Z3A26	26 weeks gestation of pregnancy
Z3A27	27 weeks gestation of pregnancy
Z3A28	28 weeks gestation of pregnancy
Z3A29	29 weeks gestation of pregnancy
Z3A30	30 weeks gestation of pregnancy
Z3A31	31 weeks gestation of pregnancy
Z3A32	32 weeks gestation of pregnancy
Z3A33	33 weeks gestation of pregnancy
Z3A34	34 weeks gestation of pregnancy
Z3A35	35 weeks gestation of pregnancy
Z3A36	36 weeks gestation of pregnancy

C. Neonatal Abstinence Syndrome (NAS) Codes: ICD-10 diagnosis codes of P961 or P962 in diagnosis codes 1 through 4 on an inpatient or professional claim or encounter.

D. Deliveries: identified by APR-DRG 541, 542, 560, or 540 on an inpatient encounter or claim OR by one of the following CPT codes on an encounter or claim: 59410, 59400, 59412, 59510, 59514, 59515, 59610, 59612, 59614, 59618, 59620, or 59622.