

Supplemental Materials

SUPPLEMENTAL TABLE 4 Claims Codes Used in Variable Definitions

Variable	Codes
Newborn health used in propensity matching	
Chromosome abnormality	ICD-9: 7580–7582, 75831–75833, 75839, 7584–7587, 75881, 75889, 7589 / ICD-10: Q909, Q913, Q917, Q928, Q933, Q934, Q937, Q9381, Q9388, Q9389, Q950, Q969-Q972, Q978, Q984, Q985, Q987-Q999
Intraventricular hemorrhage	ICD-9: 77213, 77214 / ICD-10: P5221, P5222
Respiratory disease	ICD-9: 769, 77084, 77089 / ICD-10: P220, P285, P2889, R0603
Congenital heart disease	ICD-9: 7450, 74510, 74511, 7452, 7453, 7461, 7462, 7467, 74710, 74711, 74741 / ICD10: Q200, Q201, Q203, Q204, Q213, Q225, Q229, Q234, Q251, Q2521, Q262
Convulsion	ICD-9: 7790 / ICD-10: P90
Gastrostomy tube	ICD-9: 53640—53642, 53649, V441, V551 / ICD-10: K9420, K9422, K9423, K9429, Z431, Z931
Health care use outcomes	
Hospitalizations (1)	UBREV: 100, 101, 110, 111–114, 116–124, 126–134, 136–144, 146–154, 156–160, 164, 167, 169–174, 179, 190–194, 199–204, 206–214, 219, 1000–1002
ED visits (1)	CPT: 99281–99285 / UBREV: 450–452, 456, 459, 981; Nonurgent: CPT: 99281–99283
Wellness visits (2)	CPT: 99381–99385, 99391–99395, 99432, 99461 / HCPCS: G0438, G0439 / ICD-9: V20.2, V20.31, V20.32, V70.0, V70.3, V70.5, V70.6, V70.8, V70.9 / ICD-10: Z00.00, Z00.01, Z00.110, Z00.111, Z00.121, Z00.129, Z00.5, Z00.8, Z02.0-Z02.6, Z02.71, Z02.79, Z02.81-Z02.83, Z02.89, Z02.9
Outpatient non-wellness visits (1, 3)	POS: 3, 5, 7, 9, 11–20, 22, 33, 49, 50, 71, 72

1 = HEDIS 2019 definition; 2 = HEDIS 2016 definition; 3 = Excludes wellness visits codes. CPT, *Current Procedural Terminology*; ICD-9, International Classification of Diseases, 9th Revision; ICD-10, *International Classification of Diseases, 10th Revision*; POS, place of service codes for professional claims; UBREV, uniform bill (revenue codes).

SUPPLEMENTAL TABLE 5 Post Hoc Group Balance Assessment for Additional Maternal Birth Certificate Variables

Maternal Birth Certificate Variables	Category (%)	FBBH	Control	P^a	P^b
Received WIC during pregnancy	Yes	59.81	59.65	.940	.940
Mother's education level	HS or more	54.59	52.25	.501	.719
Father's education level	HS or more	50.00	48.87	.776	.813
Other live births	Yes	61.21	62.62	.676	.676
Had children who died	Yes	3.27	2.00	.253	.106
Risk for gestational diabetes	Yes	4.05	5.75	.299	.071
Risk for gestational hypertension	Yes	6.07	6.90	.658	.110
Risk for preterm birth	Yes	5.49	2.59	.052	.018
STD infections during pregnancy	Yes	2.60	2.59	.990	.122
Prenatal visits	5 or more	94.09	93.18	.600	.819
Prepregnancy obesity	Yes	29.1	28.3	.816	.282
Prenatal visits, interquartile range	9–13	10.7	11.0	.369	N/A
BMI, interquartile range	22.1–30.9	27.6	27.1	.329	N/A

χ^2 P value for categorical 2×2 group \times outcome test of association. Student's t P value for continuous group t test of association. Missing values differ on the basis of construct (see Supplemental Table 6). HS, high school; STD, sexually transmitted disease.

^a P value computed without missing category.

^b P value computed including missing category.

SUPPLEMENTAL TABLE 6 Missing Value Analysis for Additional Maternal Birth Certificate Variables

Maternal Birth Certificate Variables	Missing Values	FBBH	Control	<i>P</i> value
Received WIC during pregnancy	0 ^a	0	0	.99
Mother's education level	7	3	4	.7
Father's education level	203	108	95	.31
Other live births	0	0	0	.99
Had children who died	3	0	3	.08
Risk for gestational diabetes	138	82	56	.02
Risk for gestational hypertension	138	82	56	.02
Risk for preterm birth	138	82	56	.02
STD infections during pregnancy	138	82	56	.02
Prenatal visits	45	22	23	.88
Prepregnancy obesity	167	95	72	.05

For WIC receipt, there were 12 FBBH and 13 control mothers with unknown indicated in response, which was included with No. Continuous variables were not represented in this table because missingness is calculated for the collapsed dichotomous representations. *P* value for differences in missingness. HS, high school; STD, sexually transmitted disease.