Supplemental Tables

	ble A. Definitions of pregnancy, pregnancy complications, comorbid conditions, s, using ICD9-CM and CPT codes
Delivery definition	ICD-9-CM codes: 650 (normal delivery), 651 (multiple gestation), V27.0 (outcome
to select cohort	of delivery, single liveborn), V27.1 (Outcome of delivery, single stillborn), V27.2
(18)	(Outcome of delivery, twins, both liveborn), V27.3 (Outcome of delivery, twins, 1
(10)	liveborn, 1 stillborn), V27.4 (Outcome of delivery, other multiple births, all liveborn),
	V27.5 (Outcome of delivery, other multiple births, all liveborn), V27.6 (Outcome of
	delivery, other multiple births, some liveborn)
Pregestational	ICD-9-CM diagnosis code 250.** (diabetes mellitus) identified more than 20 weeks
diabetes	prior to delivery date (i.e. pregnancy weeks 1-19, not 20-40) <i>or</i> ICD-9-CM
diabotoo	diagnosis code 648.0* > 20 weeks prior to delivery (i.e. pregnancy weeks 1-19, not
	20-40) or
	A prescription claim for a diabetes medication (see definition below) more than 20
	weeks prior to delivery (i.e. pregnancy weeks 1-20, not 21-40)
Gestational	648.8* (abnormal glucose tolerance in pregnancy) at any point in defined 40-weeks
diabetes	pregnancy period OR 250.** (diabetes mellitus) ≤ 20 weeks before delivery date
diabotos	(i.e. weeks 20-40) OR 648.0* (abnormal glucose tolerance in pregnancy) ≤ 20
	weeks before delivery date (i.e. weeks 20-40)
	and not meeting criteria for "pre-gestational diabetes" above (if it meets the above
	criteria then it is defined as "pre-pregnancy diabetes")
Hypertensive disc	orders in pregnancy
Preeclampsia	ICD-9-CM diagnosis codes: 642.4* (mild preeclampsia), 642.5 (severe
(mild or severe) &	preeclampsia); ICD-9-CM diagnosis codes: 642.6* (eclampsia)
eclampsia	, , , , , , , , , , , , , , , , , , ,
Chronic	ICD-9-CM diagnosis codes: 642.0* (benign essential hypertension complicating
hypertension	pregnancy), 642.2* (other preexisting hypertension complicating pregnancy)
Gestational	ICD-9-CM diagnosis codes: 642.3* (transient hypertension in pregnancy) or 642.9*
hypertension	(unspecified hypertension complicating pregnancy) and not meeting above
,,	definition for "chronic hypertension"
Preeclampsia or	ICD-9-CM diagnosis codes: 642.7 or meeting definitions for both preeclampsia and
eclampsia	chronic hypertension
superimposed on	
pre-existing	
hypertension	
Preterm labor or	ICD-9-CM diagnosis codes: 644.0 (threatened premature labor), 644.00
delivery of	(Threatened premature labor unspecified as to episode of care), 644.03
preterm infant	(Threatened premature labor antepartum), 644.1 (Other threatened labor), 644.10
	(other threatened labor unspecified as to episode of care), 644.13 (other
	threatened labor antepartum), 644.2* (early onset of delivery)
	zation of care outcomes
Primary care outpa	
	g 3 visit types with a designated primary care provider (e.g. family medicine, primary
<u>_</u>	oner, internal medicine)
Primary care	CPT codes: 99201-99205 (new patient visit), 99211-99215 (established patient
outpatient visit	visit), 99024 (post-operative check), 99241-99245 (consultation), 99381-99387
	(preventive medicine visit), 99384 (adolescent visit, age 12-17 years), 99394
	(adolescent visit, age 12-17years)
	and a specialty code corresponding to any primary care provider (e.g. internal
	medicine, family medicine; MD, NP or PA)
Office or other	CPT codes: 99201 - 99205- new pt visit; 99211 - 99215 – established patient
outpatient visit	99024 - post-operative check up; 99241 - 99245- consultation

Supplemental Table A. continued

Preventive	CPT codes:99381-99387, 99391-99397, 99401-99404, 99411, 99412, 99420,
medicine visits	99429
Adolescent	99384: Adolescent (age 12 through 17 years); 99394: Adolescent (age 12
medicine visits	through 17 years)
Postpartum obstetric	care:
Office or outpatient h	ospital location (Place of service =11 or 22), professional claim type
Either	Specialists visit within 3 months after delivery:
	Obstetrics & Gynecology, Certified nurse midwife, Gynecologist, Family practice,
	Family practice OB/Gyn, certified nurse midwife, Maternal and fetal medicine,
	Nurse practitioner, Perinatology
Or claim including 1	V 24.1 - Postpartum care and examination of lactating mother
or more of the	V24.2- Routine postpartum follow-up
following V-codes:	
Emergency room car	re
	CPT codes 99281-99285, 10040-69979 AND Place of service=23 (emergency
	room)
Prenatal care	Between estimated date of conception and delivery date, requiring ≥ 100 days of insurance coverage in pregnancy and claim from an office or outpatient hospital location (place of service =11 or 22), as a professional claim type, with one of the following specialists: Obstetrics & Gynecology, Certified nurse midwife, Gynecologist, Family practice, Family practice OB/Gyn, certified nurse midwife, Maternal and fetal medicine, Nurse practitioner, Perinatology
Receipt of early prenatal care	Above definition and required a prenatal care visit in ≥ 176 days of i.e. first 104 days of pregnancy (18)
Laboratory testing	
Any glucose testing	CPT codes for the following: BMP (80049), CMP (80054), HgBA1c (83036), GTT (82951), quantitative glucose (82947)
Medications	Antihypertensive medications included the following classes of medications: ACEI, ARB, diuretics, CCB, vasodilator, beta blockers, rennin inhibitors, and all combinations
	All insulin types
	All classes of oral hypoglycemic medications

<u>Abbreviations</u>: ACEI=angiotensin converting enzyme inhibitors; ARB=angiotensin receptor blockers; CCB=calcium channel blockers, CPT: Current Procedural Terminology; ICD9-CM= International Classification of Diseases, Ninth Revision, Clinical Modification

Supplemental table B. Characteristics of the study sample by insurance type (Medicaid vs. commercial), and within Medicaid insurance group, by those who became eligible for Medicaid because of a pregnancy diagnosis (vs. those who met other eligibility criteria

(vo. those who met other enginetry enterial	Medicaid			Commercia	
Characteristic	Eligible based on pregnancy	Other eligibility	Total	Total	p- value*
	N=17,464	N=9,865	N=27,329	N=4,011	
Mean age at delivery, years (SD)	24.9 (5.6)	23.4 (6.1)	24.3 (5.8)	31.3 (4.5)	<0.001
Age category (%)					
< 18	3.6%	14.9%	7.65%	0.1%	<0.001
18-24	52.4%	48.9%	51.2%	6.3%	
25-29	24.0%	19.6%	22.4%	27.4%	
30-34	12.7%	10.4%	11.9%	42.9%	
> 35	7.3%	6.3%	7.0%	23.4%	
Race / ethnicity (in Medicaid only)					
African American, %	33.0%	64.3%	44.3%	n/a	n/a
White, %	38.5%	24.3%	33.4%	n/a	n/a
Hispanic, %	5.5%	3.6%	4.8%	n/a	n/a
Other race, %	23.1%	7.8%	17.6%	n/a	n/a
Neighborhood level characteristics ¹					
Mean proportion of African American	28.6%	41.5%	33.2%	24.3%	<0.001
residents, % (SD %)	(24.4%)	(29.6%)	(27.2%)	(23.7%)	0.004
Mean proportion without high school diploma among age < 25, % (SD %)	19.5% (8.82%)	24.2% (10.6%)	21.2% (9.8%)	16.9% (10.2%)	<0.001
Mean proportion of residents below	8.0%	12.3%	9.56%	7.1%	<0.001
federal poverty, % (SD %)	(6.1%)	(9.1%)	(7.6%)	(7.3%)	
Mean proportion urban, % (SD %)	76.9%	85.7%	80.1%	93.8%	<0.001
Pregnancy and delivery complications	(33.3%)	(27.1%)	(31.5%)	(17.5%)	
Any hypertensive disorder in pregnancy, %	15.8%	19.5%	17.2%	11.96%	0.04
Pre-eclampsia, % (mild or severe)	7.8%	9.5%	8.4%	7.0%	0.002
Eclampsia	0.4%	0.7%	0.5%	0.3%	0.07
Chronic hypertension in pregnancy, %	5.6%	7.7%	6.4%	6.6%	0.52
Gestational hypertension	7.11%	7.5%	7.2%	6.43%	0.07
Gestational diabetes mellitus, %	9.30%	7.5%	8.66%	12.44%	<0.001
Pre-pregnancy diabetes, %	1.01%	1.70%	1.26%	1.94%	<0.001
Cesarean delivery, %	27.4%	26.8%	27.2%	33.2%	<0.001
Preterm delivery, %	8.6%	11.4%	9.6%	7.9%	<0.001
Multiple gestation, %	1.4%	1.7%	1.5%	2.5%	<0.001
Stillborn birth, %	0.3%	0.3%	0.3%	0.2%	0.65
Drug use and smoking					
Any drug use	3.2%	7.3%	4.7%	0.2%	<0.001
Alcohol use	0.3%	0.8%	0.5%	0.1%	<0.001
Smoking	26.2%	32.6%	28.5%	15.5%	<0.001

Supplemental table B. continued

Other co-morbid illnesses in pregnancy					
Depression	4.09%	7.28%	5.24%	6.11%	0.02
Other mental disorders	13.66%	19.92%	15.92%	8.13%	<0.001
Thyroid disease in pregnancy	2.09%	2.48%	2.23%	7.65%	<0.001
HIV	0.19%	1.08%	0.51%	0.12%	<0.001
Asthma	9.28%	16.33%	11.83%	8.45%	<0.001
Obesity	8.21%	12.86%	9.89%	7.23%	<0.001
Insurance coverage					
Mean coverage prior to conception, days (SD)	22.1 (54.4)	97.0 (84.5)	49.2 (75.9)	145.9 (65.0)	<0.001
Proportion with ≥ 3 months of preconception coverage, %	12.9%	55.23%	28.20%	82.25%	<0.001
Proportion with early pregnancy coverage (first 104 days of pregnancy), %	72.0%	83.5%	76.1%	94.8%	<0.001
Mean coverage post-delivery, days (SD)	170.8 (118.7)	316.4 (189.1)	223.3 (129.5)	324.1 (82.2)	<0.001
Proportion with ≥ 6 months post-delivery coverage, %	29.7%	88.2%	51.8%	89.7%	<0.001

^{*} p-value between Total Medicaid and Total Commercial insurance groups