



Medicaid Prenatal Care Coordination

Fact Sheet Purpose

The purpose of this fact sheet is to highlight the characteristics and birth outcomes of women with Medicaid reimbursed births who also received Medicaid prenatal care coordination (PNCC) compared to women who did not receive Medicaid prenatal care coordination.

Background

Medicaid is a state/federal program that provides health insurance for certain groups of low-income people, including pregnant women. Iowa Medicaid is administered by the Iowa Department of Human Services through Iowa Medicaid Enterprise. In Iowa, pregnant women may be eligible for Medicaid if their household income is below 375 percent of the federal poverty level.

Women with Medicaid coverage may also receive PNCC. The purpose of PNCC is to support women to obtain prenatal and other services. These services can improve the woman's health and the health of her infant. In 2014, the labor and delivery costs for nearly 40 percent of Iowa resident births were reimbursed by Medicaid (38.4%; n=15,299 of 39,685 resident births). Twenty percent of these women (20.4%; n=3,110) received PNCC during their pregnancies.

Data Sources

Data for this report were derived from a matched file of the 2014 birth certificate, Medicaid paid claims, and the Women's Health Information System (WHIS) for calendar year 2014. Medicaid status was based on a paid claim for a delivery related diagnostic related group between 765 and 775, and linked to a birth certificate. PNCC status was based on a linkage between the WHIS data set and the linked birth certificate-paid claims file. Birth certificate data were used to determine pregnancy related conditions, smoking during pregnancy, prenatal care initiation, preventive dental care, and infant birth outcomes.

Table 1. Selected pregnancy related conditions, access to pregnancy related services, and smoking during pregnancy among PNCC recipients compared to those without PNCC, Iowa resident births, calendar year 2014.

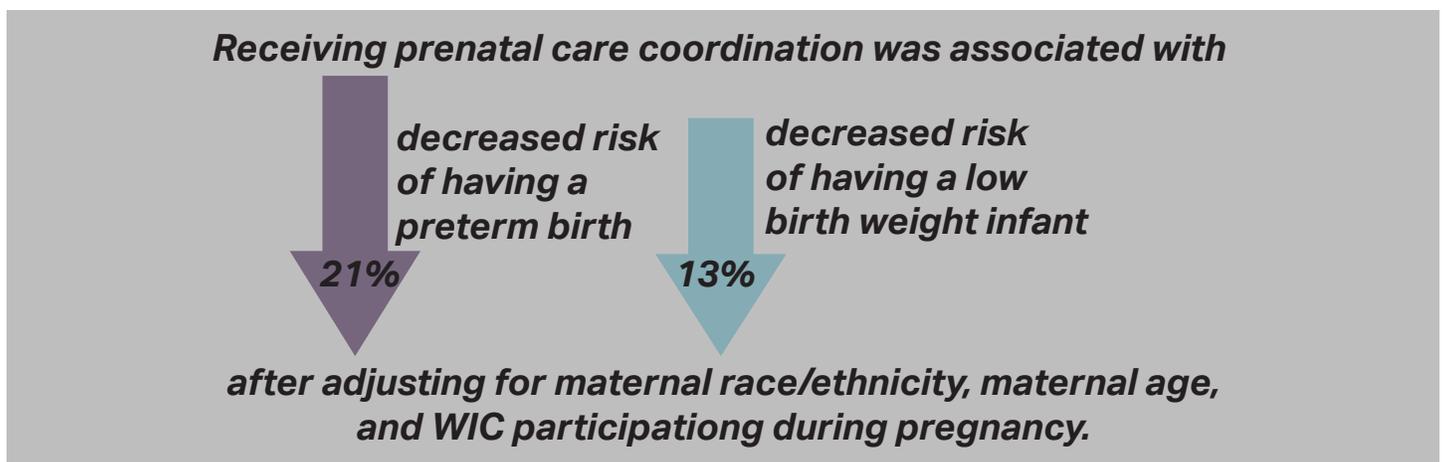
Characteristic	Received PNCC		Did not receive PNCC	
	Number	%	Number	%
Gestational diabetes	229	7.4	909	7.5
Pregnancy related hypertension	205	6.6	754	6.2
Previous preterm birth	112	3.6	651	5.4
Access to services				
WIC enrollment during pregnancy	2,817	90.6	7,436	61.4
Received preventive dental care	757	24.3	1,679	13.9
First trimester prenatal care initiation	2,403	77.6	9,239	76.8
Smoked cigarettes during pregnancy	614	19.7	2,554	21.1

- The percent of women with gestational diabetes, pregnancy related hypertension, or previous pre-term birth did not differ significantly among women who received PNCC compared to women who did not receive PNCC.
- The percent of women who obtained WIC services and preventive dental care during pregnancy was significantly higher among women who received PNCC compared to women who did not receive PNCC.
- The percent of women who initiated first trimester prenatal care did not differ significantly among women who received PNCC compared to women who did not receive PNCC.
- The percent of women who smoked cigarettes during pregnancy did not differ significantly among women who received PNCC compared to women who did not receive PNCC.

Table 2. Birth outcomes among prenatal care coordination recipients compared to those without PNCC, Iowa resident births, calendar year 2014.

Maternal characteristic	Preterm birth		Low birth weight	
	OR (95% CI)	Adjusted OR ^a (95% CI)	Univariate OR (95% CI)	Univariate OR ^a (95% CI)
Received PNCC	0.75 (0.65-0.87)	0.79 (0.68-0.92)	0.83 (0.71-0.98)	0.87 (0.73-1.02)
Maternal race/ethnicity				
Non-Hispanic White	1.18 (1.00-1.39)	1.19 (1.00-1.39)	1.09 (0.91-1.31)	1.09 (0.91-1.32)
Non-Hispanic Black	1.35 (1.08-1.69)	1.37 (1.09-1.71)	1.76 (1.39-2.23)	1.77 (1.40-2.25)
Non-Hispanic Other	1.19 (0.88-1.61)	1.16 (0.86-1.58)	1.43 (1.04-1.96)	1.43 (1.04-1.97)
Hispanic (all races)	Reference	Reference	Reference	Reference
Maternal age				
≤ 19 years	1.12 (0.93-1.36)	1.17 (0.97-1.41)	1.21 (0.99-1.49)	1.23 (1.00-1.51)
20-29 years	Reference		Reference	Reference
≥ 30 years	1.44 (1.27-1.63)	1.45 (1.29-1.64)	1.27 (1.10-1.46)	1.26 (1.10-1.46)
WIC participation during pregnancy	0.86 (0.77-0.97)	0.92 (0.81-1.03)	0.89 (0.78-1.01)	0.90 (0.79-1.04)

OR = Odds Ratio, CI = Confidence Interval, ^aAdjusted for maternal race/ethnicity, maternal age, and WIC participation during pregnancy



Additional Information¹

For additional information or to obtain copies of this fact sheet, contact the Iowa Department of Public Health, Bureau of Family Health, at 321 E. 12th Street, Des Moines, IA 50309 or toll-free at 1-800-383-3826.

¹ The Iowa Department of Public Health acknowledges the Maternal and Child Health Epidemiology Program, Field Support Branch, Division of Reproductive Health, National Center for Chronic Disease Prevention and Public Health Promotion, Centers for Disease Control and Prevention for analytic support and preparation of this fact sheet.