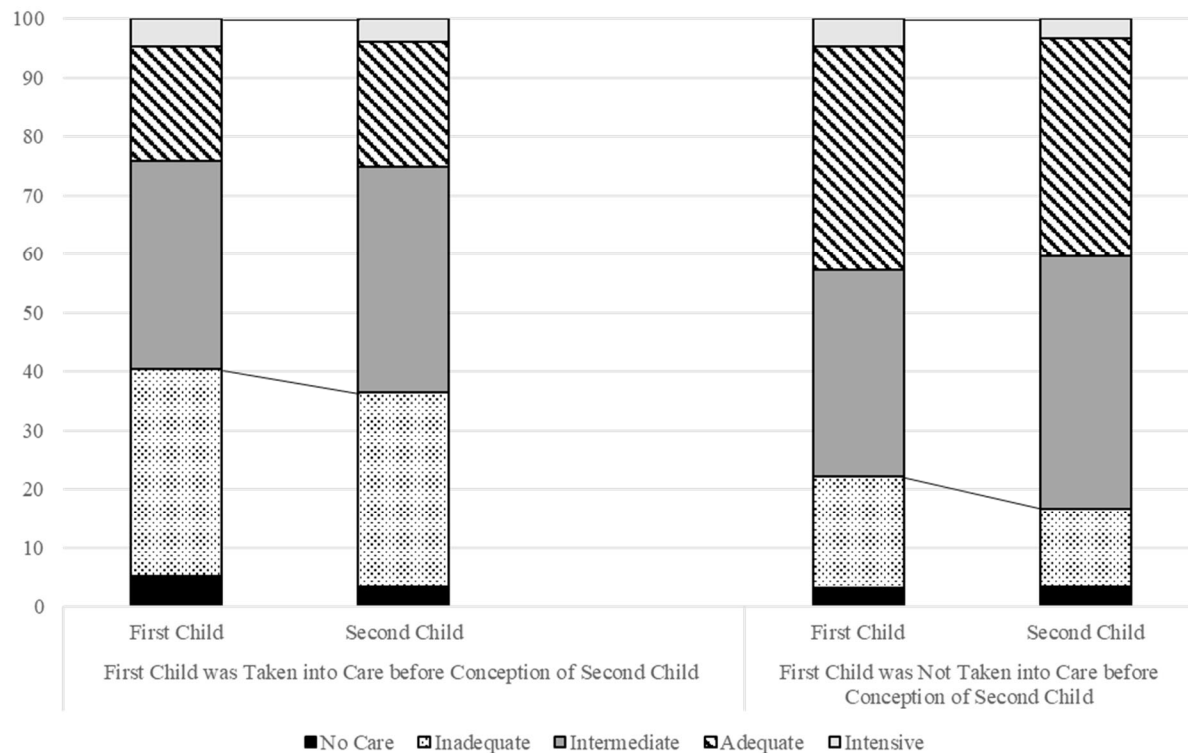


Appendix 1 (as submitted by the authors): Supplemental Tables 1 and 2, and Figure 1

Supplemental Figure 1. Change in Prenatal Care use between First and Second Pregnancy



Supplemental Table 1: Characteristics of the Sub Population (n = 32 840)

Covariates	First Child was Taken into Care before Conception of Second Child (n = 680)	First Child not Taken into Care before Birth of Second Child (n = 32 160)
	n (%)	n (%)
During Pregnancy of First Child		
Substance Use Diagnosis	52 (7.7)	265 (0.8)
Prenatal Care		
Intensive	44 (6.5)	1 778 (5.5)
Adequate	156 (22.9)	14 667 (45.6)
Intermediate	269 (39.6)	12 221 (38.0)
Inadequate	178 (26.2)	2 829 (8.8)
No Care	33 (4.9)	665 (2.1)
At Birth of First Child		
No Social Support	14 (2.06)	203 (0.63)
Less than High School Education	499 (73.4)	5 248 (16.3)
Lone Parent	446 (65.6)	3 629 (11.3)
Year		
2000-2003	168 (24.7)	8 532 (26.5)
2004-2009	401 (59.0)	17 938 (55.8)
2010-2015	111 (16.3)	5 690 (17.7)
Mean Mother's Age (SD)	19.1 (3.1)	26.4 (5.2)
Urban Neighborhood	489 (71.9)	20 402 (63.4)
Income Quintile of Neighborhood		
1 (Lowest Income)	371 (54.6)	6 199 (19.3)
2	133 (19.6)	6 823 (21.2)
3	83 (12.2)	6 632 (20.6)
4	43 (6.3)	6 648 (20.7)
5 (Highest Income)	32 (4.7)	5 789 (18.0)
Missing	18 (2.7)	69 (0.2)
Between Birth of First Child and Conception of Second Child		
Mean Years (SD)	3.0 (2.2)	2.3 (1.7)
Moved	469 (69.0)	12 450 (38.7)
Received Welfare	504 (74.1)	4 145 (12.9)
Diabetes	22 (3.2)	484 (1.5)
Hypertension	15 (2.2)	1 301 (4.1)
Substance Use Diagnosis	162 (23.8)	770 (2.4)

Supplemental Table 2: Prenatal Care Utilization for Second Birth (n = 32,840)

Level of Prenatal Care Utilization	First Child was Placed in Care before Conception of Second Child (n = 680)	First Child not Placed in Care before Birth of Second Child (n = 32 160)	Model 1	Model 2	Model 3	Model 4
	n (%)	n (%)	Unadjusted OR (95% CI)	Adjusted ^a OR (95% CI)	Adjusted ^b OR (95% CI)	Adjusted ^c OR (95% CI)
Intensive	29 (4.3)	1 146 (3.6)	1.95 (1.31, 2.91)	1.41 (0.93, 2.15)	1.39 (0.91, 2.13)	1.30 (0.84, 2.00)
Adequate	1 72 (25.3)	13 282 (41.3)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Intermediate	2 65 (39.0)	14 146 (44.0)	1.45 (1.19, 1.75)	1.25 (1.02, 1.53)	1.18 (0.97, 1.45)	1.18 (0.96, 1.45)
Inadequate	1 89 (27.8)	2 604 (8.1)	5.60 (4.54, 6.92)	1.62 (1.28, 2.06)	1.41 (1.11, 1.80)	1.42 (1.11, 1.82)
No Care	26 (3.7)	982 (3.1)	1.96 (1.28, 3.00)	0.78 (0.49, 1.23)	0.95 (0.59, 1.53)	1.07 (0.66, 1.74)

^a Adjusted for substance use disorder and level of PNC during pregnancy of first child; year, mother's age, neighborhood location and income at birth of first child

^b Adjusted for substance use disorder and level of PNC during pregnancy of first child; year, mother's age, neighborhood location and income, single parent, social isolation, and education at birth of first child

^c Adjusted for substance use disorder and level of PNC during pregnancy of first child; year, mother's age, neighborhood location and income, single parent, social isolation, and education at birth of first child; number of years, residential mobility, EIA receipt, hypertension, diabetes, and substance use disorder diagnosis between birth of first child and conception of second child