

Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. Sociodemographic Characteristics of All Individuals With a Live Birth, Those Excluded From The Analysis and the Final Analytic Sample, 2016-2020

	All with a live birth	Excluded from analysis			Analytic Sample
		Did not attend or missing postpartum visit data	Missing counseling data	Missing risk factor data	
	N=206,080	N=25,982	N=1,851	N=10,543	N=167,705
Age group					
N with available subgroup data	206,072	25,980	1,851	10,542	167,699
< 20 years (%)	4.3	7.3	5.1	5.2	3.8
20-24 years (%)	18.5	25.4	15.5	19.8	17.4
25-29 years (%)	29.0	29.6	30.0	27.3	29.0
30-34 years (%)	29.6	22.3	27.5	27.2	30.8
35-39 years (%)	15.2	11.9	16.1	15.6	15.7
≥ 40 years (%)	3.4	3.4	5.7	4.8	3.3
Race or Ethnicity					
N with available subgroup data	204,688	25,741	1,831	10,442	166, 674
American Indian or Alaskan Native (%)	0.8	1.5	0.4	0.5	0.7
Asian or Pacific Islander (%)	5.4	4.9	10.2	7.2	5.3
Hispanic (%)	18.9	27.1	27.2	41.1	16.2
Non-Hispanic Black (%)	15.2	21.2	18.9	15.5	14.3
Non-Hispanic White (%)	56.7	41.4	39.3	33.0	60.6
Other Non-White or Multiracial (%)	3.1	3.9	4.0	2.7	3.0
Language of Survey					
N with available subgroup data	208,080	25,982	1,851	10,542	167, 705
English	91.1	84.9	80.0	67.4	93.7
Spanish	8.7	15.0	19.1	31.6	6.2
Chinese	0.2	0.1	0.9	1.0	0.2
Education					
N with available subgroup data	204, 229	25,618	1,826	10,371	166, 414
High School or Less (%)	36.9	60.1	51.0	57.9	32.1
Greater than High School (%)	63.1	39.9	49.0	42.1	67.9
Postpartum Insurance			0.0		
N with available subgroup data	203,083	25,435	1,772	10,112	165,764
Any Private Insurance (%)	53.7	28.2	41.1	36.3	58.5
Medicaid (%)	29.2	44.3	32.3	29.8	27.0
Other Government Insurance (%)	3.7	4.1	3.7	4.7	3.6
Other Insurance (%)	2.9	4.3	6.2	5.0	2.5
No Insurance (%)	10.5	19.0	16.6	24.2	8.4

eTable 2. Prevalence of Prepregnancy and Pregnancy-Related Cardiovascular Disease Risk Factors Among All Individuals With a Live Birth, Those Excluded From the Analysis, and the Final Analytic Sample, 2016-2020

	All with a live birth		Excluded from analysis				Analytic sample	
			Did not attend or missing postpartum visit data		Missing counseling data			
	N in subgroup	%	N in subgroup	%	N in subgroup	%	N in subgroup	%
Prepregnancy Risk Factors								
Any Prepregnancy Risk Factor	196,045	30.0	23,759	32.6	1,573	30.3	167,705	29.3
Prepregnancy diabetes	203,832	3.2	25,553	3.6	1,576	4.1	167,705	3.2
Prepregnancy hypertension	204,172	5.3	25,632	6.8	1,771	6.0	167,705	5.1
Prepregnancy obesity	196,459	25.9	23,745	27.2	1,590	24.0	167,705	25.9
Adverse Pregnancy Outcomes								
Any adverse pregnancy outcome	203,541	24.5	24,791	25.7	1,761	26.4	167,705	24.1
Gestational Diabetes	203,323	8.9	24,645	8.8	1,762	12.1	167,705	8.7
Hypertensive Disorders of Pregnancy	203,205	11.0	24,656	10.2	1,741	9.9	167,705	11.2
Preterm Birth	205,850	9.0	25,915	11.2	1,848	9.8	167,705	8.8
Number of Cardiovascular Disease Risk Factors								
No Risk Factors	206,080	57.0	25,982	57.9	1,851	57.1	167,705	56.5
One Risk Factors	206,080	28.2	25,982	30.1	1,851	29.2	167,705	28.3
Two or More Risk Factors	206,080	14.9	25,982	14.6	1,851	13.7	167,705	15.3

eTable 3. Average Annual Percent Change (APC) in Self-Reported Cardiovascular Health Counseling From 2016-2019 (Pre-COVID) and 2016-2020, Overall, by Sociodemographic Characteristics and Peripartum Cardiovascular Disease Risk Factors

	APC (%/year), 2016-2019	APC (%/year), 2016-2020
Overall	-0.9 (-1.5, -0.5)	-1.1 (-1.3, -0.8)
Age (years)		
< 20	-0.2 (-4.1, 3.8)	0.0 (-1.7, 1.8)
20-24	-0.6 (-2.1, 0.8)	-1.1 (-2.2, 0.0)
25-29	-1.3 (-2.1, -0.4)	-1.1 (-1.6, -0.5)
30-34	-0.5 (-2.6, 1.6)	-0.8 (-1.9, 0.2)
35-39	-1.6 (-3.3, 0.1)	-1.4 (-2.2, -0.5)
> 40	-0.8 (-13.5, 13.8)	-1.4 (-7.1, 4.7)
Race or Ethnicity		
American Indian or Alaskan Native	-1.0 (-8.4, 6.9)	0.3 (-3.8, 4.7)
Asian or Pacific Islander	0.1 (-5.1, 5.5)	-0.4 (-2.9, 2.2)
Hispanic	-1.1 (-4.9, 2.9)	-1.0 (-2.7, 0.7)
Non-Hispanic Black	0.0 (-1.7, 1.8)	-0.5 (-1.6, 0.7)
Non-Hispanic White	-1.4 (-2.2, -0.5)	-1.5 (-2.0, -1.0)
Other	0.0 (-4.6, 4.8)	-0.1 (-2.1, 1.9)
Education		
≤ High School	-0.1 (-1.0, 0.8)	-0.4 (-1.1, 0.3)
> High School	-1.4 (-1.7, -1.1)	-1.4 (-1.5, -1.2)
Postpartum Insurance		
Any Private Insurance	-1.0 (-2.4, 0.5)	-1.2 (-2.0, -0.4)
No Private Insurance	-1.0 (-2.2, 0.2)	-1.0 (-1.5, -0.5)
Pre-pregnancy cardiovascular risk factor		
Any prepregnancy risk factor	0.1 (-1.3, 1.6)	-0.2 (-1.1, 0.7)
Prepregnancy diabetes	1.5 (-3.8, 7.1)	1.8 (-0.5, 4.1)
Prepregnancy hypertension	2.1 (-0.1, 4.4)	1.1 (-1.9, 3.2)
Prepregnancy obesity	0.0 (-1.2, 1.1)	-0.3 (-1.3, 0.4)
Adverse pregnancy outcomes		
Any adverse pregnancy outcome	-1.8 (-2.4, -1.3)	-1.5 (-2.2, -0.8)
Gestational diabetes	-2.3 (-5.4, 0.9)	-0.9 (-3.2, 1.7)
Hypertensive disorders of pregnancy	-2.4 (-4.7, -0.1)	-2.2 (-3.2, -1.2)
Preterm birth	-1.0 (-3.4, 1.5)	-0.9 (-1.9, 0.2)
Total cardiovascular disease risk factors		
None	-1.3 (-2.3, -0.4)	-1.4 (-1.8, -1.0)
One Risk Factor	-0.8 (-2.2, 0.7)	-0.7 (-1.3, -0.7)
Two or more risk factors	-0.6 (-1.3, 0.2)	-0.8 (-1.3, -0.3)

eTable 4. Age-Standardized, Weighted^a Percent (95% CI) and Average Annual Percent Change (%/y) (95% CI) in Self-Reported Postpartum Cardiovascular Health Counseling by Prepregnancy Cardiovascular Risk Factor and Adverse Pregnancy Outcome Status From 2016-2020

	Percent (95% CI) with postpartum cardiovascular health counseling					Average Annual Percent Change (95% CI)
	2016 (N = 1,655,515)	2017 (N = 1,604,942)	2018 (N = 1,829,709)	2019 (N = 1,922,077)	2020 (N = 1,702,215)	2016-2020
Any Poor Prepregnancy Clinical Cardiovascular Health Factor	60.17 (58.40, 61.90)	60.78 (59.23, 62.31)	60.14 (58.71, 61.55)	60.74 (59.21, 62.25)	59.63 (58.12, 61.13)	-0.2 (-1.1, 0.7)
Diabetes	56.70 (51.81, 61.46)	59.20 (54.60, 63.63)	60.85 (56.50, 65.02)	59.12 (54.11, 63.92)	62.12 (57.39, 66.64)	1.8 (-0.5, 4.1)
Hypertension	58.04 (54.00, 61.97)	60.19 (56.58, 63.70)	61.53 (58.18, 64.78)	61.90 (58.09, 65.57)	60.84 (57.20, 64.36)	1.1 (-1.9, 3.2)
Obesity	60.88 (58.96, 62.74)	60.90 (59.22, 62.55)	60.40 (58.87, 61.90)	61.00 (59.38, 62.60)	59.82 (58.20, 61.41)	-0.3 (-1.3, 0.4)
Any Adverse Pregnancy Outcome	60.77 (58.62, 62.56)	59.39 (57.73, 61.02)	58.64 (57.12, 60.15)	57.35 (55.75, 58.93)	57.37 (55.79, 58.94)	-1.5 (-2.2, -0.8)
Gestational Diabetes	63.72 (60.25, 67.05)	62.97 (59.89, 65.96)	62.30 (59.33, 65.19)	59.15 (56.07, 61.15)	62.33 (59.49, 65.10)	-0.9 (-3.2, 1.7)
Hypertensive Disorders of Pregnancy	60.59 (57.81, 63.31)	57.90 (55.41, 60.35)	57.66 (55.36, 59.93)	55.90 (53.58, 58.20)	55.08 (52.70, 57.44)	-2.2 (-3.3, -1.2)
Preterm Birth	59.69 (57.14, 62.19)	58.28 (55.77, 60.74)	57.41 (55.22, 59.58)	58.03 (55.83, 60.20)	57.15 (54.91, 59.36)	-0.9 (-1.9, 0.2)

^a Weighted to account for PRAMS sampling design

eTable 5. Weighted^a Percent (95% CI) and Adjusted^b Odds Ratios of Self-Reported, Postpartum Cardiovascular Health Counseling Among Individuals With Cardiovascular Risk Factors and Adverse Pregnancy Outcomes Compared With Those Without Risk Factors, 2016-2020

	Percent (95% CI) with Postpartum CVH Counseling		RR Counseling ^b
	Without Risk Factor	With Risk Factor	
Prepregnancy Cardiovascular Risk Factors			
Any Risk Factor	54.85 (54.39, 55.30)	60.18 (59.49, 60.86)	1.08 (1.07, 1.10)
Diabetes	56.31 (55.92, 56.69)	59.46 (57.37, 61.51)	1.05 (1.02, 1.09)
Hypertension	56.19 (55.80, 56.58)	60.40 (58.79, 61.99)	1.07 (1.04, 1.10)
Obesity	54.99 (54.55, 55.43)	60.47 (59.73, 61.20)	1.09 (1.07, 1.10)
Adverse Pregnancy Outcomes			
Any Adverse Pregnancy Outcome	55.77 (55.32, 56.21)	58.43 (57.70, 59.15)	1.05 (1.03, 1.06)
Gestational Diabetes	55.92 (55.52, 56.32)	61.53 (60.26, 62.79)	1.11 (1.08, 1.13)
Hypertensive Disorder of Pregnancy	56.29 (55.89, 56.69)	57.35 (56.25, 58.44)	1.02 (1.00, 1.05)
Preterm Birth	56.25 (55.85, 56.65)	58.02 (56.98, 59.05)	1.02 (1.00, 1.04)

^a Weighted to account for PRAMS sampling design

^b RR of counseling given presence of risk factor adjusted for year of delivery, maternal age, education (\leq high school or $>$ high school education) and postpartum insurance type (any private insurance or no private insurance). Referent for all comparisons is individuals with no risk factors.

eTable 6. Weighted^a Percent (95% CI) and Average Annual Percent Change (%/y) (95% CI) in Postpartum Cardiovascular Health Counseling by Age, Educational Status, and Postpartum Insurance

	Overall (2016-2020)	Percent (95% CI) with postpartum cardiovascular health counseling					Average Annual Percent Change (95% CI)
		2016 (N = 1,655,515)	2017 (N = 1,604,942)	2018 (N = 1,829,709)	2019 (N = 1,922,077)	2020 (N = 1,702,215)	2016-2020
Age							
< 20	63.8 (61.8, 65.7)	64.0 (59.4, 68.5)	64.3 (60, 68.4)	62.2 (58.1, 66.2)	64.3 (59.9, 68.5)	64.1 (59.6, 68.3)	0.0 (-1.7, 1.8)
20-24	59.4 (58.5, 60.3)	60.2 (57.9, 62.5)	60.5 (58.5, 62.6)	59.4 (57.4, 61.3)	59.4 (57.3, 61.5)	57.6 (55.5, 59.7)	-1.1 (-2.2, 0)
25-29	57.0 (56.3, 57.7)	58.5 (56.8, 60.2)	57.4 (55.8, 58.9)	56.7 (55.2, 58.1)	56.3 (54.7, 57.8)	56.0 (54.4, 57.6)	-1.1 (-1.6, -0.5)
30-34	54.5 (53.8, 55.2)	55.7 (54.0, 57.3)	54.3 (52.8, 55.8)	54.8 (53.4, 56.2)	54.5 (53.0, 56.0)	53.2 (51.7, 54.7)	-0.8 (-1.9, 0.2)
35-39	54.3 (53.3, 55.2)	55.7 (53.4, 58.1)	55.3 (53.2, 57.3)	54.7 (52.7, 56.6)	53.0 (50.9, 55.1)	53.2 (51.0, 55.3)	-1.4 (-2.2, -0.5)
> 40	55.3 (53.2, 57.3)	54.0 (48.9, 59.0)	57.9 (53.1, 62.4)	58.8 (54.6, 62.8)	52.5 (48.0, 56.9)	53.6 (49.0, 58.1)	-1.4 (-7.1, 4.7)
Race or Ethnicity							
American Indian or Alaskan Native	64.0 (61.3, 66.6)	65.3 (60.7, 69.6)	60.6 (55.3, 65.8)	64.6 (58.4, 70.2)	62.5 (55.5, 68.9)	66.8 (59.5, 73.5)	0.3 (-3.8, 4.7)
Asian or Pacific Islander	64.5 (63.1, 66.0)	65.8 (62.2, 69.2)	62.6 (59.3, 65.8)	65.7 (62.7, 68.6)	64.8 (61.7, 67.8)	63.3 (60.0, 66.6)	-0.4 (-2.9, 2.2)
Hispanic	60.7 (59.7, 61.7)	61.4 (59.0, 63.7)	61.7 (59.6, 63.9)	61.8 (59.8, 63.7)	59.1 (56.9, 61.3)	59.7 (57.5, 61.9)	-1.0 (-2.7, 0.7)
Non-Hispanic Black	69.2 (68.3, 70.1)	69.0 (66.5, 71.3)	70.2 (68.1, 72.3)	69.3 (67.2, 71.3)	69.5 (67.6, 71.4)	68.0 (66.0, 69.9)	-0.5 (-1.6, 0.7)
Non-Hispanic White	51.3 (50.8, 51.8)	52.7 (51.5, 53.9)	52.1 (51.1, 53.2)	51.6 (50.6, 52.6)	50.5 (49.4, 51.6)	49.6 (48.5, 50.7)	-1.5 (-2.0, -1.0)
Other	59.7 (57.7, 61.6)	60.7 (55.9, 65.3)	58.8 (54.1, 63.3)	58.7 (54.6, 62.6)	60.8 (56.2, 65.1)	59.3 (54.9, 63.6)	-0.1 (-2.1, 1.9)
Education							
≤ High School	60.9 (60.2, 61.6)	61.4 (59.7, 63.1)	60.9 (59.3, 62.4)	61.0 (59.6, 62.5)	61.2 (59.7, 62.7)	60.1 (58.5, 61.6)	-0.4 (-1.1, 0.3)
> High School	54.2 (53.8, 54.7)	55.8 (54.7, 56.9)	55.0 (54.0, 55.9)	54.3 (53.4, 55.2)	53.4 (52.4, 54.4)	52.8 (51.8, 53.8)	-1.4 (-1.5, -1.2)
Postpartum Insurance^b							
Any Private Insurance	53.0 (52.5, 53.5)	54.2 (53, 55.4)	53.5 (52.4, 54.6)	53.6 (52.6, 54.6)	52.4 (51.3, 53.5)	51.5 (50.4, 52.6)	-1.2 (-2.0, -0.4)
No Private Insurance	61.1 (60.5, 61.7)	62.3 (60.8, 63.8)	61.9 (60.6, 63.2)	60.7 (59.4, 61.9)	60.7 (59.3, 62)	59.9 (58.6, 61.3)	-1.0 (-1.5, -0.5)

^a Weighted to account for PRAMS complex sampling design

^b Insurance at 2-6 months postpartum

eTable 7. Unadjusted Risk Ratios of Self-Reported Postpartum Cardiovascular Health Counseling Among Those With Cardiovascular Disease Risk Factors^a Compared With Those Without Risk Factors by Age, Educational Status, and Postpartum Insurance

	Unadjusted Risk Ratio of Counseling^b	
	One Risk Factor	Two or More Risk Factors
Age		
< 20	1.08 (1.00, 1.15)	1.10 (1.01, 1.20)
20-24	1.00 (0.97, 1.04)	1.07 (1.00, 1.12)
25-29	1.05 (1.02, 1.08)	1.10 (1.06, 1.14)
30-34	1.09 (1.06, 1.13)	1.14 (1.11, 1.18)
35-39	1.09 (1.05, 1.13)	1.16 (1.11, 1.21)
> 40	1.17 (1.07, 1.27)	1.23 (1.12, 1.34)
Race or Ethnicity		
American Indian or Alaskan Native	0.97 (0.88, 1.06)	1.00 (0.89, 1.12)
Asian or Pacific Islander	1.07 (1.01, 1.13)	1.10 (1.03, 1.17)
Hispanic	1.05 (1.10, 1.09)	1.12 (1.08, 1.17)
Non-Hispanic Black	1.02 (0.98, 1.05)	1.06 (1.03, 1.10)
Non-Hispanic White	1.04 (1.02, 1.07)	1.09 (1.06, 1.12)
Other	1.13 (1.05, 1.22)	1.09 (1.00, 1.19)
Education		
≤ High School	1.06 (1.04, 1.09)	1.11 (1.08, 1.15)
> High School	1.05 (1.03, 1.07)	1.11 (1.08, 1.13)
Postpartum Insurance		
Any Private Insurance	1.05 (1.02, 1.07)	1.11 (1.09, 1.14)
No Private Insurance	1.06 (1.04, 1.09)	1.10 (1.07, 1.13)