

## Statewide Results: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value difference‡ SD
	Non-HSP	ORs	95% CI	HSP	MCG	
N	966,809			7,212	53,674	
<u>Birth outcomes</u>						
Low birth weight	5.5%			6.0%	5.9%	0.918
Very low birth weight	0.8%			0.7%	0.8%	0.263
Extremely low birth weight	0.4%			0.2%	0.4%	0.018
Preterm birth	8.0%			7.4%	7.5%	0.814
<u>Covariates/Matching controls</u>						
<i>Mother's age</i>						
Age<20	9.9%	1.35***	(1.24, 1.47)	17.5%	17.2%	0.553 0.011
Age 20-24	25.3%	1.19***	(1.12, 1.27)	34.4%	34.7%	0.649
Age 25-30†	34.0%			28.4%	28.5%	0.868
Age>30	30.8%	0.91**	(0.85, 0.98)	19.7%	19.6%	0.867
<i>Mother's Race/Ethnicity &amp; Nativity</i>						
White	42.4%	0.93	(0.82, 1.06)	24.0%	24.0%	1.000 0.017
American Indian	6.0%	1.43***	(1.23, 1.66)	11.8%	12.0%	0.662
Hispanic	41.8%	1.29***	(1.13, 1.46)	59.1%	59.2%	0.892
Other race/ethnicity†	9.8%			5.1%	4.8%	0.338
Born in US†	73.6%			68.6%	69.5%	0.280 0.022
Born in Mexico	18.7%	1.68***	(1.57, 1.80)	27.9%	27.4%	0.479
Born outside US	7.6%	1.18*	(1.00, 1.39)	3.5%	3.2%	0.307
Hispanic & born outside US	1.5%	0.76*	(0.55, 1.03)	0.8%	0.7%	0.848
<i>Mother's education</i>						
Less than high school†	21.7%			32.7%	32.7%	0.985 0.027
High school/GED	28.8%	0.84***	(0.79, 0.90)	35.7%	35.8%	0.862
Some post-secondary education	25.2%	0.81***	(0.76, 0.87)	23.8%	23.6%	0.845
4-year degree or more	22.5%	0.59***	(0.53, 0.66)	7.3%	7.4%	0.949
Education missing	1.7%	0.41***	(0.27, 0.62)	0.3%	0.2%	0.104
<i>Method of payment</i>						
Private/commercial insurance	41.1%	0.92	(0.80, 1.07)	13.7%	13.8%	0.866 0.014
AHCCCS (AZ Medicaid)	53.8%	2.34***	(2.05, 2.68)	82.5%	82.7%	0.792
Other insurance†	5.1%			3.8%	3.5%	0.398
<i>Marital cohabitation status</i>						
Married	54.5%	1.06	(0.92, 1.23)	37.8%	37.2%	0.513
Married & cohabiting	52.0%	0.93	(0.80, 1.09)	34.7%	34.5%	0.820
Mother & father cohabiting	75.6%	0.99	(0.93, 1.05)	62.4%	62.3%	0.973
<i>Health factors</i>						
First birth	36.9%	1.27***	(1.20, 1.34)	41.6%	40.8%	0.327
Pre-existing health risk	8.3%	1.11**	(1.02, 1.19)	11.3%	10.8%	0.326

## Statewide Results: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Maricopa†	62.5%			26.4%	26.8%	0.572	0.031
Cochise, Santa Cruz	2.4%	15.75***	(14.54, 17.07)	16.8%	17.1%	0.625	
Gila	0.7%	6.56***	(5.55, 7.76)	2.4%	2.3%	0.784	
Mohave	2.2%	4.50***	(3.95, 5.12)	4.2%	4.1%	0.676	
Pima	13.4%	1.60***	(1.46, 1.76)	9.0%	9.1%	0.839	
Coconino, Navajo	3.7%	6.73***	(6.09, 7.43)	11.9%	11.2%	0.160	
Yavapai	2.1%	5.57***	(4.94, 6.27)	5.2%	5.2%	0.970	
Yuma	3.3%	7.99***	(7.38, 8.65)	16.4%	16.7%	0.622	
Apache, Graham, Greenlee, Pinal, La Paz	7.4%	1.85***	(1.66, 2.07)	5.9%	5.6%	0.453	
County missing	2.2%	2.06***	(1.46, 2.89)	1.8%	2.0%	0.626	
<i>Median income of mother's zip code</i>							
Bottom income decile	2.9%	0.95	(0.74, 1.23)	2.4%	2.0%	0.113	0.043
Income decile 2	6.7%	1.93***	(1.56, 2.39)	15.3%	15.6%	0.565	
Income decile 3	10.4%	2.33***	(1.89, 2.88)	15.5%	15.8%	0.614	
Income decile 4	6.5%	2.65***	(2.14, 3.29)	10.4%	10.8%	0.372	
Income decile 5	8.4%	2.28***	(1.85, 2.82)	14.6%	14.7%	0.888	
Income decile 6	11.7%	1.73***	(1.40, 2.14)	8.6%	8.5%	0.905	
Income decile 7	11.9%	2.22***	(1.81, 2.74)	13.7%	12.8%	0.111	
Income decile 8	10.7%	3.15***	(2.55, 3.88)	12.7%	12.9%	0.746	
Income decile 9	12.1%	1.26*	(0.99, 1.60)	2.8%	2.8%	0.960	
Top income decile†	10.4%			1.4%	1.3%	0.472	
Zip code missing	8.3%	1.43**	(1.07, 1.92)	2.6%	2.7%	0.639	
<i>Birth certificate year</i>							
2006-07†	20.8%			0.6%	0.6%	0.915	0.022
2008	10.0%	3.45***	(2.38, 5.00)	1.0%	1.0%	0.867	
2009	9.3%	9.93***	(7.18, 13.74)	2.7%	2.8%	0.878	
2010	8.7%	30.03***	(22.14, 40.74)	7.4%	7.4%	1.000	
2011	8.5%	57.58***	(42.67, 77.70)	13.5%	13.9%	0.513	
2012	8.6%	63.19***	(46.84, 85.24)	14.9%	14.9%	0.925	
2013	8.5%	70.92***	(52.59, 95.64)	15.9%	15.8%	0.820	
2014	8.7%	68.23***	(50.60, 92.01)	15.8%	16.1%	0.649	
2015	8.5%	67.63***	(50.13, 91.24)	14.9%	14.3%	0.278	
2016	8.5%	59.81***	(44.30, 80.77)	13.1%	13.3%	0.749	
<i>Other balancing factors</i>							
County, median income missing	0.02	1.36	(0.86, 2.14)	0.01	0.02	0.268	
American Indian*college	0.00	0.83	(0.51, 1.34)	0.00	0.00	0.479	

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).

## Latina Mothers: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)		Match Results		p-value		
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡ SD	
N	404,188			4,259	32,502		
<u>Birth outcomes</u>							
Low birth weight	5.5%			5.8%	5.5%	0.385	
Very low birth weight	0.9%			0.6%	1.0%	0.044	
Extremely low birth weight	0.4%			0.2%	0.5%	0.005	
Preterm birth	8.1%			7.2%	7.7%	0.314	
<u>Covariates/Matching controls</u>							
<i>Mother's age</i>							
Age<20	14.2%	1.23***	(1.10, 1.38)	18.5%	17.8%	0.431	0.020
Age 20-24	29.5%	1.13***	(1.04, 1.23)	33.3%	33.1%	0.890	
Age 25-30†	31.4%			27.3%	27.6%	0.752	
Age>30	25.0%	0.99	(0.90, 1.08)	21.0%	21.5%	0.578	
<i>Mother's Nativity</i>							
Mother born in US†	52.1%			51.8%	52.6%	0.474	0.024
Mother born in Mexico	44.3%	1.66***	(1.55, 1.78)	46.9%	46.3%	0.602	
Mother born outside US	3.6%	0.88	(0.67, 1.15)	1.3%	1.1%	0.372	
<i>Mother's education</i>							
Less than high school†	36.6%			38.8%	39.9%	0.304	0.027
High school/GED	33.0%	0.83***	(0.77, 0.89)	35.1%	34.5%	0.570	
Some post-secondary education	19.6%	0.79***	(0.72, 0.87)	19.5%	18.9%	0.441	
4-year degree or more	10.1%	0.67***	(0.57, 0.77)	6.2%	6.2%	0.893	
Education missing	0.5%			0.3%	0.3%	0.710	
<i>Method of payment</i>							
Private/commercial insurance	23.7%	0.91	(0.75, 1.09)	10.1%	9.7%	0.491	0.016
AHCCCS (AZ Medicaid)	70.3%	2.19***	(1.86, 2.58)	84.9%	85.4%	0.483	
Other insurance†	6.0%			5.0%	4.9%	0.842	
<i>Marital cohabitation status</i>							
Married	43.0%	1.16	(0.96, 1.40)	39.4%	39.7%	0.740	
Mother & father cohabiting	71.0%	1.05	(0.97, 1.14)	63.6%	63.8%	0.822	
Married & cohabiting	41.1%	0.90	(0.74, 1.11)	36.2%	36.6%	0.719	
<i>Health factors</i>							
First birth	33.7%	1.39***	(1.29, 1.50)	40.7%	39.8%	0.414	
Pre-existing health risk	8.0%	1.09	(0.98, 1.21)	10.7%	10.1%	0.357	

## Latina Mothers: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Cochise	1.7%	3.18***	(2.80, 3.61)	11.9%	10.8%	0.109	0.041
Maricopa	63.9%	0.16***	(0.15, 0.18)	24.7%	25.2%	0.565	
Pima	15.2%	0.26***	(0.23, 0.29)	8.8%	8.4%	0.536	
Santa Cruz	1.5%	2.95***	(2.56, 3.39)	9.8%	9.9%	0.884	
Yuma	5.8%	1.43***	(1.29, 1.58)	23.7%	24.6%	0.349	
Other county†	8.7%			18.7%	18.7%	0.978	
County missing	3.1%	0.44***	(0.28, 0.70)	2.4%	2.4%	1.000	
<i>Median income of mother's zip code</i>							
Bottom income decile†	3.1%			2.2%	2.2%	0.941	0.045
Income decile 2	10.4%	1.34***	(1.07, 1.67)	21.3%	20.6%	0.440	
Income decile 3	15.8%	1.52***	(1.22, 1.90)	18.3%	18.6%	0.675	
Income decile 4	8.8%	1.55***	(1.23, 1.95)	10.6%	11.1%	0.464	
Income decile 5	9.8%	1.49***	(1.19, 1.86)	15.4%	15.9%	0.474	
Income decile 6	12.5%	0.96	(0.76, 1.22)	8.1%	7.9%	0.842	
Income decile 7	11.4%	1.15	(0.92, 1.45)	11.6%	10.9%	0.337	
Income decile 8	9.6%	1.50***	(1.18, 1.90)	7.6%	7.7%	0.807	
Income decile 9	7.5%	0.53***	(0.38, 0.74)	1.5%	1.6%	0.538	
Top income decile	3.7%	0.82	(0.56, 1.21)	0.9%	0.7%	0.217	
Zip code missing	7.5%	0.47***	(0.31, 0.71)	2.7%	2.7%	1.000	
<i>Birth certificate year</i>							
2006-07†	22.2%			0.8%	0.7%	0.799	0.026
2008	10.4%	3.27***	(2.09, 5.11)	1.1%	1.0%	0.675	
2009	9.4%	8.90***	(6.02, 13.16)	2.8%	2.7%	0.739	
2010	8.4%	29.66***	(20.62, 42.66)	8.0%	7.6%	0.519	
2011	8.0%	51.27***	(35.86, 73.30)	13.5%	13.5%	0.949	
2012	8.1%	54.72***	(38.29, 78.20)	14.9%	14.9%	0.951	
2013	8.1%	57.82***	(40.46, 82.64)	15.1%	15.1%	0.976	
2014	8.5%	56.42***	(39.49, 80.62)	15.2%	15.9%	0.420	
2015	8.5%	56.24***	(39.34, 80.40)	14.9%	14.7%	0.807	
2016	8.5%	52.89***	(36.96, 75.67)	13.8%	14.0%	0.778	
County, median income missing	2.9%	2.19**	(1.18, 4.09)	1.9%	2.1%	0.489	

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).

## Rural Border County Residents: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
N	55,223			2,393	7,045		
<u>Birth outcomes</u>							
Low birth weight	5.4%			5.5%	6.0%	0.381	
Very low birth weight	0.8%			0.6%	0.8%	0.342	
Extremely low birth weight	0.4%			0.2%	0.5%	0.068	
Preterm birth	6.8%			5.8%	6.8%	0.126	
<u>Covariates/Matching controls</u>							
<i>Mother's age</i>							
Age<20	12.4%	1.36***	(1.16, 1.58)	21.4%	21.3%	0.944	0.013
Age 20-24	29.8%	1.23***	(1.10, 1.38)	37.5%	37.5%	0.976	
Age 25-30†	33.7%			24.8%	24.4%	0.763	
Age>30	24.1%	1.05	(0.92, 1.20)	16.3%	16.7%	0.697	
<i>Mother's Race/Ethnicity &amp; Nativity</i>							
White	28.2%	0.63***	(0.49, 0.81)	14.7%	15.4%	0.492	0.054
American Indian	1.0%	0.55**	(0.31, 0.98)	0.6%	0.6%	0.852	
Hispanic	65.9%	0.96	(0.75, 1.24)	80.9%	81.1%	0.825	
Other race/ethnicity†	4.9%			3.8%	2.9%	0.077	
Mother born in US†	68.4%			68.4%	69.8%	0.288	0.045
Mother born in Mexico	27.8%	1.19***	(1.07, 1.32)	30.1%	29.1%	0.448	
Mother born outside US	3.8%	0.65**	(0.43, 0.99)	1.5%	1.1%	0.201	
Hispanic & born outside US	0.9%	0.84	(0.38, 1.84)	0.4%	0.3%	0.438	
<i>Mother's education</i>							
Less than high school†	22.2%			29.1%	29.2%	0.936	0.037
High school/GED	34.9%	0.98	(0.88, 1.09)	38.2%	39.2%	0.458	
Some post-secondary education	26.0%	0.97	(0.85, 1.09)	25.4%	24.3%	0.385	
4-year degree or more	16.1%	0.71***	(0.59, 0.86)	7.1%	6.9%	0.821	
Education missing†	0.7%			0.1%	0.2%	0.489	
<i>Method of payment</i>							
Private/commercial insurance	36.5%	1.20	(0.93, 1.55)	13.5%	12.7%	0.391	0.025
AHCCS (AZ Medicaid)	56.2%	3.52***	(2.80, 4.43)	83.1%	84.0%	0.413	
Other insurance†	7.3%			3.4%	3.3%	0.936	
<i>Marital cohabitation status</i>							
Married	56.3%	0.98	(0.77, 1.25)	39.1%	37.7%	0.342	
Mother & father cohabiting	71.6%	1.00	(0.89, 1.12)	58.5%	58.8%	0.814	
Married & cohabiting	53.4%	1.00	(0.76, 1.30)	35.7%	35.0%	0.586	
<i>Health factors</i>							
First birth	36.3%	1.84***	(1.66, 2.03)	51.8%	51.0%	0.563	
Pre-existing health risk	7.4%	1.01	(0.87, 1.17)	9.8%	8.5%	0.120	

## Rural Border County Residents: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Cochise	30.4%	1.51***	(1.35, 1.68)	32.8%	32.4%	0.781	0.008
Santa Cruz, Yuma†	69.6%			67.2%	67.6%	0.781	
<i>Median income of mother's zip code</i>							
Bottom income decile	0.2%	1.07	(0.57, 2.00)	0.6%	0.4%	0.316	0.058
Income decile 2	20.2%	1.41**	(1.01, 1.96)	29.1%	29.7%	0.657	
Income decile 3	10.3%	1.19	(0.84, 1.67)	15.6%	15.7%	0.937	
Income decile 4	7.9%	0.90	(0.63, 1.28)	9.5%	10.4%	0.288	
Income decile 5	23.4%	1.08	(0.77, 1.51)	16.5%	16.5%	0.938	
Income decile 6	4.6%	1.25	(0.85, 1.86)	3.2%	2.8%	0.448	
Income decile 7	25.4%	1.09	(0.78, 1.52)	17.7%	17.4%	0.790	
Income decile 8	4.0%	1.18	(0.82, 1.68)	5.6%	5.2%	0.524	
Top income quintile†	3.3%			1.8%	1.5%	0.367	
Zip code missing	0.7%	0.82	(0.37, 1.80)	0.3%	0.3%	0.796	
<i>Birth certificate year</i>							
2006-08†	30.3%			1.0%	1.1%	0.776	0.039
2009	9.8%	8.24***	(5.14, 13.19)	2.7%	2.5%	0.648	
2010	9.4%	31.26***	(20.48, 47.73)	9.3%	9.5%	0.804	
2011	8.9%	53.78***	(35.48, 81.52)	14.6%	15.2%	0.598	
2012	8.8%	61.63***	(40.58, 93.59)	16.0%	16.5%	0.639	
2013	8.2%	64.13***	(42.29, 97.24)	15.8%	15.6%	0.905	
2014	8.3%	55.64***	(36.60, 84.59)	14.0%	13.0%	0.352	
2015	8.2%	54.71***	(35.92, 83.33)	13.4%	13.8%	0.704	
2016	8.2%	53.77***	(35.31, 81.88)	13.2%	12.8%	0.637	

\*\*\* p<.01; \*\* p<.05; \* p<.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).

## American Indians: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
N	58,358			852	2,259		
<u>Birth outcomes</u>							
Low birth weight	6.0%			3.8%	6.1%	0.011	
Very low birth weight	0.9%			0.4%	0.6%	0.323	
Extremely low birth weight	0.4%			0.2%	0.3%	0.894	
Preterm birth	8.9%			8.1%	7.9%	0.855	
<u>Covariates/Matching controls</u>							
<i>Mother's age</i>							
Age<20	16.0%	1.37**	(1.07, 1.76)	18.8%	17.1%	0.377	0.043
Age 20-24	32.0%	1.17*	(0.98, 1.40)	35.8%	36.4%	0.801	
Age 25-30†	29.9%			28.6%	29.1%	0.831	
Age>30	22.1%	0.94	(0.76, 1.16)	16.8%	17.4%	0.748	
<i>Mother's education</i>							
Less than high school†	27.6%			31.0%	28.5%	0.261	0.075
High school/GED	38.3%	0.92	(0.77, 1.09)	40.3%	42.6%	0.326	
Some post-secondary education	26.9%	0.75***	(0.62, 0.92)	26.2%	26.8%	0.784	
4-year degree or more	6.3%	0.37***	(0.22, 0.62)	2.1%	1.5%	0.365	
Education missing†	0.8%			0.5%	0.6%	0.808	
<i>Method of payment</i>							
Private/commercial insurance	12.3%	0.49**	(0.25, 0.95)	5.2%	5.3%	0.913	0.032
AHCCCS (AZ Medicaid)	85.0%	1.34	(0.75, 2.42)	93.4%	93.7%	0.844	
Other insurance†	2.7%			1.4%	1.1%	0.510	
<i>Marital cohabitation status</i>							
Married	21.5%	0.73	(0.42, 1.26)	14.3%	12.3%	0.226	
Mother & father cohabiting	53.7%	1.02	(0.87, 1.19)	50.5%	50.8%	0.885	
Married & cohabiting	19.5%	1.15	(0.64, 2.08)	12.7%	11.6%	0.505	
<i>Health factors</i>							
First birth	31.7%	0.97	(0.81, 1.15)	34.5%	34.9%	0.879	
Pre-existing health risk	14.6%	0.92	(0.75, 1.12)	16.4%	15.7%	0.693	

## American Indians: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Maricopa†	27.2%			56.5%	58.2%	0.463	0.092
Apache	15.4%	0.20***	(0.15, 0.28)	5.3%	3.6%	0.101	
Coconino	12.2%	0.65***	(0.54, 0.79)	23.5%	23.5%	1.000	
Navajo	17.4%	0.22***	(0.16, 0.29)	7.0%	6.7%	0.774	
Other county	24.8%	0.12***	(0.09, 0.16)	6.6%	7.2%	0.632	
County missing	3.0%	0.21***	(0.11, 0.42)	1.2%	0.8%	0.465	
<i>Median income of mother's zip code</i>							
Bottom income decile	20.8%	0.91	(0.58, 1.42)	5.4%	4.0%	0.170	0.135
Income decile 2	15.8%	1.58**	(1.08, 2.33)	11.3%	11.3%	1.000	
Income decile 3	12.1%	1.69***	(1.17, 2.43)	13.8%	15.3%	0.410	
Income decile 4	7.4%	1.32	(0.87, 1.99)	6.2%	5.9%	0.761	
Income decile 5	6.7%	1.79***	(1.20, 2.67)	7.5%	9.2%	0.220	
Income decile 6	9.5%	1.46*	(0.99, 2.14)	9.4%	10.3%	0.516	
Income decile 7	6.1%	2.37***	(1.63, 3.46)	10.9%	8.3%	0.071	
Income decile 8	7.8%	5.07***	(3.59, 7.15)	28.2%	28.4%	0.914	
Income decile 9†	4.7%			4.3%	4.0%	0.732	
Top income decile†	1.4%			0.6%	0.8%	0.593	
Zip code missing	7.7%	1.52	(0.85, 2.71)	2.3%	2.6%	0.755	
<i>Birth certificate year</i>							
2006†	10.3%			0.2%	0.2%	1.000	0.114
2007	10.6%	0.99	(0.14, 7.01)	0.2%	0.1%	0.564	
2008	10.3%	6.22**	(1.39, 27.84)	1.4%	2.1%	0.269	
2009	10.0%	14.60***	(3.47, 61.36)	3.3%	4.2%	0.308	
2010	9.3%	32.45***	(7.91, 133.08)	6.8%	7.6%	0.513	
2011	9.3%	78.07***	(19.29, 315.98)	15.3%	15.7%	0.789	
2012	8.9%	75.95***	(18.75, 307.64)	14.9%	14.7%	0.892	
2013	8.7%	96.64***	(23.88, 391.04)	16.7%	15.6%	0.554	
2014	7.8%	110.30***	(27.27, 446.12)	17.6%	17.5%	0.949	
2015	7.3%	98.90***	(24.40, 400.83)	14.7%	15.3%	0.734	
2016	7.5%	56.31***	(13.79, 229.86)	8.9%	6.9%	0.127	

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).



## Education Less than high school: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value difference‡ SD
	Non-HSP	ORs	95% CI	HSP	MCG	
N	209,365			2,361	18,683	
<u>Birth outcomes</u>						
Low birth weight	6.2%			6.9%	7.2%	0.666
Very low birth weight	0.9%			0.8%	0.7%	0.582
Extremely low birth weight	0.4%			0.2%	0.2%	0.937
Preterm birth	9.0%			8.2%	9.0%	0.248
<u>Covariates/Matching controls</u>						
<i>Mother's age</i>						
Age<20	25.3%	1.50***	(1.29, 1.74)	30.8%	30.1%	0.569 0.023
Age 20-24	28.3%	1.12*	(0.99, 1.27)	27.1%	26.9%	0.819
Age 25-30†	25.4%			21.1%	21.4%	0.803
Age>30	21.0%	1.09	(0.95, 1.24)	20.9%	21.7%	0.522
<i>Mother's Race/Ethnicity &amp; Nativity</i>						
White	16.3%	0.57***	(0.44, 0.75)	14.6%	14.4%	0.869 0.010
American Indian	7.7%	1.37**	(1.03, 1.81)	11.2%	11.1%	0.890
Hispanic	70.7%	1.00	(0.79, 1.26)	70.1%	70.2%	0.924
Other race/ethnicity†	5.3%			4.2%	4.4%	0.774
Mother born in US†	53.5%			58.6%	58.8%	0.883 0.024
Mother born in Mexico	41.5%	1.60***	(1.43, 1.79)	38.5%	37.9%	0.675
Mother born outside US	5.0%	1.06	(0.80, 1.40)	2.9%	3.3%	0.451
<i>Method of payment</i>						
Private/commercial insurance	8.1%	0.83	(0.60, 1.15)	3.3%	3.2%	0.935 0.039
AHCCCS (AZ Medicaid)	87.4%	2.00***	(1.57, 2.53)	93.3%	94.0%	0.311
Other insurance†	4.5%			3.5%	2.8%	0.182
<i>Marital cohabitation status</i>						
Married	29.7%	0.88	(0.64, 1.19)	28.8%	27.4%	0.300
Mother & father cohabiting	62.7%	0.95	(0.86, 1.06)	55.7%	54.7%	0.501
Married & cohabiting	28.4%	1.30	(0.93, 1.80)	26.9%	25.8%	0.428
<i>Health factors</i>						
First birth	30.7%	1.08	(0.96, 1.21)	35.2%	35.1%	0.951
Pre-existing health risk	7.7%	0.99	(0.86, 1.14)	10.2%	10.7%	0.536

## Education Less than high school: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value difference‡ SD
	Non-HSP	ORs	95% CI	HSP	MCG	
<i>Mother's county of residence</i>						
Maricopa†	65.2%			31.2%	32.2%	0.453
Cochise	1.2%	20.38***	(17.24, 24.08)	10.0%	10.2%	0.735
Mohave	2.5%	4.26***	(3.34, 5.44)	3.5%	3.6%	0.937
Apache, Coconino, Navajo	4.3%	4.52***	(3.69, 5.53)	13.6%	11.7%	0.054
Pima	11.7%	1.86***	(1.59, 2.17)	9.6%	9.2%	0.690
Santa Cruz	0.8%	19.83***	(16.22, 24.24)	6.7%	6.6%	0.861
Yavapai	2.1%	9.74***	(8.13, 11.67)	8.0%	8.2%	0.831
Yuma	3.9%	6.07***	(5.24, 7.02)	12.8%	13.7%	0.367
Other county	6.5%	1.08	(0.84, 1.37)	3.3%	3.3%	0.935
County missing	1.8%	1.91***	(1.23, 2.95)	1.4%	1.2%	0.699
<i>Median income of mother's zip code</i>						
Bottom income decile†	5.1%			3.1%	2.5%	0.253 0.074
Income decile 2	11.6%	1.61***	(1.24, 2.09)	17.2%	17.3%	0.908
Income decile 3	17.5%	2.19***	(1.70, 2.84)	17.8%	18.6%	0.474
Income decile 4	10.8%	2.61***	(1.98, 3.43)	11.0%	12.0%	0.254
Income decile 5	10.3%	2.12***	(1.62, 2.77)	14.5%	14.7%	0.869
Income decile 6	12.4%	1.83***	(1.39, 2.42)	9.2%	8.3%	0.304
Income decile 7	10.1%	2.11***	(1.61, 2.77)	11.1%	10.0%	0.217
Income decile 8	9.1%	3.71***	(2.84, 4.85)	12.1%	12.3%	0.790
Income decile 9	5.2%	1.39	(0.93, 2.08)	1.6%	1.9%	0.373
Top income decile	1.6%	1.02	(0.52, 2.00)	0.4%	0.3%	0.637
Zip code missing	6.4%	1.66**	(1.09, 2.52)	2.1%	1.9%	0.677
<i>Birth certificate year</i>						
2006†	13.2%			0.5%	0.5%	0.834 0.060
2007	13.0%	1.13	(0.52, 2.48)	0.6%	0.4%	0.393
2008	11.7%	2.88***	(1.47, 5.62)	1.3%	1.3%	0.897
2009	10.0%	7.89***	(4.28, 14.55)	3.0%	3.0%	0.932
2010	8.5%	25.70***	(14.32, 46.11)	8.0%	8.0%	0.957
2011	7.5%	52.69***	(29.57, 93.87)	14.1%	15.2%	0.323
2012	7.4%	56.48***	(31.70, 100.64)	14.7%	14.1%	0.534
2013	6.8%	61.57***	(34.54, 109.74)	14.6%	14.2%	0.709
2014	7.7%	57.23***	(32.13, 101.95)	15.1%	16.1%	0.336
2015	7.3%	62.01***	(34.80, 110.51)	14.9%	13.7%	0.244
2016	6.9%	57.20***	(32.05, 102.08)	13.1%	13.6%	0.669
<i>Other balancing factors</i>						
White*Apache, Coconino, Navajo	0.6%	5.41***	(3.95, 7.39)	4.4%	3.9%	0.344

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).

## Pre-Existing Health Risk: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
N	79,912			817	2,101		
<u>Birth outcomes</u>							
Low birth weight	10.4%			9.4%	12.5%	0.030	
Very low birth weight	1.8%			1.1%	1.6%	0.318	
Extremely low birth weight	0.7%			0.1%	0.3%	0.330	
Preterm birth	16.5%			16.0%	15.7%	0.839	
<u>Covariates/Matching controls</u>							
<i>Mother's age</i>							
Age<20	3.8%	0.93	(0.66, 1.32)	5.9%	5.1%	0.516	0.045
Age 20-24	16.6%	1.11	(0.92, 1.35)	25.7%	26.1%	0.866	
Age 25-30†	33.1%			34.9%	33.8%	0.639	
Age>30	46.5%	0.79***	(0.66, 0.93)	33.5%	35.0%	0.532	
<i>Mother's Race/Ethnicity &amp; Nativity</i>							
White	37.3%	1.16	(0.80, 1.66)	20.9%	20.2%	0.714	0.023
American Indian	10.7%	2.06***	(1.37, 3.09)	17.1%	17.5%	0.845	
Hispanic	40.7%	1.50**	(1.04, 2.16)	55.9%	56.5%	0.803	
Other race/ethnicity†	11.4%			6.0%	5.8%	0.833	
Mother born in US†	74.4%			66.8%	66.2%	0.793	0.014
Mother born in Mexico	17.3%	1.70***	(1.39, 2.09)	27.7%	28.3%	0.783	
Mother born outside US	8.3%	1.88***	(1.24, 2.84)	5.5%	5.5%	1.000	
Hispanic & born outside US	1.4%	0.84	(0.39, 1.81)	1.2%	1.2%	1.000	
<i>Mother's education</i>							
Less than high school†	20.1%			29.4%	31.4%	0.381	0.044
High school/GED	27.2%	0.97	(0.81, 1.16)	34.5%	33.5%	0.676	
Some post-secondary education	30.2%	0.94	(0.77, 1.15)	30.0%	29.1%	0.705	
4-year degree or more	21.4%	0.50***	(0.35, 0.71)	5.8%	5.5%	0.830	
Education missing†	0.8%			0.2%	0.3%	0.873	
<i>Method of payment</i>							
Private/commercial insurance	41.5%	0.94	(0.56, 1.56)	13.6%	13.6%	1.000	0.073
AHCCS (AZ Medicaid)	54.8%	2.56***	(1.58, 4.14)	84.1%	82.9%	0.506	
Other insurance†	3.7%			2.3%	3.5%	0.143	
<i>Marital cohabitation status</i>							
Married	56.8%	1.04	(0.68, 1.59)	43.2%	45.2%	0.426	
Married & cohabiting	54.1%	0.97	(0.61, 1.53)	40.1%	42.6%	0.315	
Mother & father cohabiting	76.6%	1.05	(0.87, 1.27)	68.1%	70.3%	0.335	
<i>Health factors</i>							
First birth	28.4%	1.29***	(1.08, 1.53)	30.7%	29.9%	0.706	

## Pre-Existing Health Risk: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Maricopa†	61.5%			33.5%	34.4%	0.715	0.111
Cochise, Santa Cruz	1.7%	11.81***	(9.16, 15.23)	12.1%	10.9%	0.438	
Gila	0.7%	3.62***	(2.08, 6.29)	1.8%	1.2%	0.314	
Mohave	1.3%	4.30***	(2.80, 6.61)	3.2%	3.3%	0.889	
Pima	14.4%	1.38**	(1.08, 1.76)	11.0%	12.1%	0.487	
Coconino, Navajo	4.9%	3.20***	(2.39, 4.29)	11.3%	10.6%	0.692	
Yavapai	1.6%	3.04***	(1.91, 4.84)	2.6%	1.8%	0.312	
Yuma	3.4%	5.27***	(4.19, 6.63)	16.5%	17.7%	0.512	
Apache, Graham, Greenlee, Pinal, La Paz	8.5%	1.36**	(1.00, 1.84)	6.9%	6.1%	0.547	
County missing	1.8%	1.32	(0.42, 4.22)	1.1%	1.7%	0.294	
<i>Median income of mother's zip code</i>							
Bottom income decile†	4.5%			4.3%	4.0%	0.804	0.084
Income decile 2	7.9%	1.60**	(1.09, 2.36)	15.2%	15.9%	0.682	
Income decile 3	10.9%	2.00***	(1.36, 2.94)	18.7%	20.6%	0.351	
Income decile 4	6.4%	1.76***	(1.15, 2.69)	9.8%	9.7%	0.934	
Income decile 5	8.6%	1.58**	(1.05, 2.38)	12.0%	11.3%	0.644	
Income decile 6	12.2%	1.19	(0.78, 1.83)	7.7%	7.1%	0.637	
Income decile 7	11.2%	1.66**	(1.10, 2.50)	12.0%	12.5%	0.763	
Income decile 8	10.7%	2.81***	(1.89, 4.17)	15.2%	14.6%	0.728	
Income decile 9	12.4%	0.91	(0.54, 1.55)	3.2%	3.1%	0.887	
Top income decile	9.9%	0.48*	(0.22, 1.07)	1.0%	0.5%	0.247	
Zip code missing	5.3%	0.32	(0.08, 1.32)	1.0%	0.9%	0.795	
<i>Birth certificate year</i>							
2006-07†	10.9%			0.2%	0.2%	1.000	0.121
2008	6.2%	2.80	(0.47, 16.78)	0.4%	0.1%	0.317	
2009	5.8%	8.35***	(1.77, 39.38)	1.0%	0.7%	0.592	
2010	6.0%	21.33***	(5.01, 90.84)	2.7%	2.4%	0.755	
2011	6.2%	46.48***	(11.31, 191.13)	6.5%	5.1%	0.245	
2012	6.8%	52.98***	(12.97, 216.43)	8.8%	7.2%	0.237	
2013	8.0%	57.56***	(14.14, 234.22)	11.3%	13.5%	0.176	
2014	15.5%	61.20***	(15.17, 246.90)	23.5%	25.0%	0.489	
2015	17.2%	62.52***	(15.51, 252.07)	25.8%	25.8%	1.000	
2016	17.6%	46.31***	(11.46, 187.06)	19.8%	19.8%	1.000	
<i>Other balancing factors</i>							
County, median income missing	0.01	3.85	(0.53, 28.16)	0.01	0.01	0.781	

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).

## Age Less than 20: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
N	95,750			1,264	6,810		
<u>Birth outcomes</u>							
Low birth weight	6.8%			7.0%	7.8%	0.455	
Very low birth weight	1.0%			1.2%	1.2%	0.918	
Extremely low birth weight	0.5%			0.5%	0.3%	0.440	
Preterm birth	8.7%			6.6%	9.5%	0.004	
<u>Covariates/Matching controls</u>							
<i>Mother's Race/Ethnicity &amp; Nativity</i>							
White	23.9%	1.51**	(1.06, 2.17)	22.2%	22.9%	0.669	0.065
American Indian	9.7%	1.69**	(1.13, 2.51)	12.7%	12.1%	0.673	
Hispanic	59.7%	1.62***	(1.15, 2.30)	62.2%	63.0%	0.681	
Other race/ethnicity†	6.6%			2.9%	2.0%	0.123	
Mother born in US†	79.7%			83.2%	84.8%	0.286	0.043
Mother born in Mexico	18.3%	1.42***	(1.19, 1.68)	16.1%	14.6%	0.295	
Mother born outside US	2.0%			0.6%	0.6%	0.861	
<i>Mother's education</i>							
Less than high school†	55.3%			57.6%	57.3%	0.876	0.043
High school/GED	36.4%	0.83***	(0.74, 0.95)	34.7%	35.2%	0.802	
Some post-secondary education	7.6%	0.81*	(0.64, 1.01)	7.3%	6.9%	0.698	
4-year degree or more	0.0%			0.0%	0.1%	0.267	
Education missing	0.6%			0.3%	0.3%	0.989	
<i>Method of payment</i>							
Private/commercial insurance	11.6%	1.19	(0.80, 1.79)	6.0%	5.4%	0.493	0.027
AHCCCS (AZ Medicaid)	84.4%	2.11***	(1.51, 2.94)	90.6%	91.1%	0.629	
Other insurance	4.0%			3.4%	3.5%	0.913	
<i>Marital cohabitation status</i>							
Married	12.0%	1.09	(0.66, 1.79)	11.7%	11.3%	0.755	
Married & cohabiting	11.2%	0.94	(0.55, 1.60)	10.3%	10.0%	0.792	
Mother & father cohabiting	48.6%	0.99	(0.87, 1.13)	41.9%	42.3%	0.809	
<i>Health factors</i>							
First birth	80.6%	0.93	(0.80, 1.08)	80.8%	82.6%	0.237	
Pre-existing health risk	3.1%	0.88	(0.64, 1.21)	3.8%	3.6%	0.834	

## Age Less than 20: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Maricopa†	58.5%			22.2%	23.1%	0.601	0.089
Cochise, Santa Cruz	2.7%	25.32***	(21.01, 30.52)	24.5%	23.9%	0.710	
Gila	1.1%	9.17***	(6.53, 12.89)	3.8%	3.2%	0.386	
Mohave	2.7%	4.77***	(3.47, 6.55)	4.2%	4.0%	0.841	
Pima	13.4%	1.13	(0.86, 1.48)	5.5%	4.9%	0.530	
Coconino, Navajo	4.7%	7.21***	(5.68, 9.16)	13.0%	11.6%	0.303	
Yavapai	2.3%	5.28***	(3.86, 7.23)	4.4%	5.3%	0.266	
Yuma	4.5%	8.57***	(7.02, 10.45)	16.0%	17.6%	0.287	
Apache, Graham, Greenlee, Pinal, La Paz	8.3%	1.47**	(1.09, 1.98)	4.4%	4.0%	0.622	
County missing	1.8%	5.68***	(3.16, 10.20)	2.1%	2.4%	0.589	
<i>Median income of mother's zip code</i>							
Bottom income decile†	4.7%			2.0%	1.9%	0.885	0.085
Income decile 2	10.2%	2.59***	(1.68, 3.98)	20.2%	20.6%	0.767	
Income decile 3	14.9%	2.71***	(1.75, 4.20)	13.1%	14.1%	0.487	
Income decile 4	9.3%	3.53***	(2.25, 5.54)	10.9%	11.3%	0.752	
Income decile 5	10.6%	2.75***	(1.77, 4.29)	14.2%	15.1%	0.500	
Income decile 6	12.5%	1.79**	(1.12, 2.86)	6.3%	6.3%	1.000	
Income decile 7	10.8%	3.39***	(2.19, 5.26)	14.2%	12.0%	0.099	
Income decile 8	9.8%	5.30***	(3.42, 8.22)	13.1%	13.1%	0.953	
Income decile 9	7.1%	2.90***	(1.71, 4.92)	2.9%	3.2%	0.729	
Top income decile	2.8%	1.81	(0.88, 3.70)	0.9%	0.9%	0.834	
Zip code missing	7.2%	1.82*	(0.92, 3.57)	2.1%	1.6%	0.303	
<i>Birth certificate year</i>							
2006-07†	25.9%			0.9%	0.9%	1.000	0.049
2008	12.1%	3.33***	(1.62, 6.88)	1.5%	1.3%	0.610	
2009	10.9%	9.39***	(4.99, 17.66)	4.0%	3.9%	0.918	
2010	9.4%	25.82***	(14.20, 46.93)	8.9%	8.3%	0.571	
2011	8.3%	58.17***	(32.42, 104.36)	17.2%	18.0%	0.602	
2012	8.0%	62.60***	(34.90, 112.30)	18.4%	19.0%	0.721	
2013	7.3%	55.81***	(30.95, 100.64)	14.1%	13.4%	0.644	
2014	6.7%	58.33***	(32.34, 105.23)	13.3%	13.3%	1.000	
2015	5.9%	60.64***	(33.55, 109.59)	12.4%	11.9%	0.715	
2016	5.5%	45.33***	(24.89, 82.55)	9.2%	9.9%	0.542	
<i>Other balancing factors</i>							
Married & pre-existing health risk	0.3%	0.83	(0.31, 2.24)	0.4%	0.3%	0.739	
County, median income missing	0.01	0.64	(0.24, 1.68)	0.01	0.01	0.575	

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).

## First Birth: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
N	356,315			3,003	18,391		
<u>Birth outcomes</u>							
Low birth weight	6.5%			6.7%	6.5%	0.722	
Very low birth weight	1.0%			0.8%	0.9%	0.583	
Extremely low birth weight	0.5%			0.3%	0.5%	0.222	
Preterm birth	7.9%			6.8%	7.4%	0.314	
<u>Covariates/Matching controls</u>							
<i>Mother's age</i>							
Age<20	21.7%	1.24***	(1.09, 1.42)	34.0%	34.2%	0.892	0.032
Age 20-24	32.2%	1.12**	(1.00, 1.25)	40.8%	41.9%	0.387	
Age 25-30†	28.3%			18.1%	17.3%	0.437	
Age>30	17.8%	0.88	(0.74, 1.03)	7.1%	6.6%	0.442	
<i>Mother's Race/Ethnicity &amp; Nativity</i>							
White	46.3%	0.94	(0.78, 1.13)	27.2%	27.9%	0.564	0.042
American Indian	5.2%	1.19	(0.94, 1.50)	9.8%	10.0%	0.762	
Hispanic	38.2%	1.29***	(1.07, 1.56)	57.7%	57.6%	0.979	
Other race/ethnicity†	10.3%			5.3%	4.4%	0.119	
Mother born in US†	78.2%			77.6%	79.1%	0.150	0.038
Mother born in Mexico	13.6%	1.52***	(1.33, 1.72)	19.3%	17.9%	0.164	
Mother born outside US	8.3%	1.04	(0.81, 1.35)	3.1%	3.0%	0.763	
Hispanic & born outside US	1.3%	0.71	(0.41, 1.23)	0.6%	0.6%	1.000	
<i>Mother's education</i>							
Less than high school†	18.0%			27.7%	27.7%	0.957	0.032
High school/GED	29.0%	0.91*	(0.83, 1.01)	37.9%	37.4%	0.709	
Some post-secondary education	25.2%	0.92	(0.82, 1.03)	25.7%	25.5%	0.906	
4-year degree or more	26.3%	0.64***	(0.54, 0.76)	8.5%	8.9%	0.582	
Education missing†	1.4%			0.3%	0.4%	0.312	
<i>Method of payment</i>							
Private/commercial insurance	45.7%	1.18	(0.93, 1.49)	16.1%	16.0%	0.972	0.014
AHCCS (AZ Medicaid)	49.3%	2.93***	(2.36, 3.64)	80.4%	80.2%	0.820	
Other insurance†	5.0%			3.5%	3.8%	0.583	
<i>Marital cohabitation status</i>							
Married	47.4%	1.05	(0.83, 1.32)	28.0%	27.8%	0.840	
Married & cohabiting	45.0%	0.88	(0.68, 1.13)	25.3%	25.7%	0.722	
Mother & father cohabiting	71.0%	1.00	(0.92, 1.10)	54.9%	55.6%	0.551	
<i>Health factors</i>							
Pre-existing health risk	6.4%	1.13*	(0.98, 1.29)	8.4%	7.7%	0.367	

## First Birth: Birth Outcomes

	Propensity Score Model (Logit, Y=Health Start)			Match Results		p-value	
	Non-HSP	ORs	95% CI	HSP	MCG	difference‡	SD
<i>Mother's county of residence</i>							
Maricopa†	62.7%			20.7%	21.1%	0.680	0.056
Cochise, Santa Cruz	2.4%	22.42***	(19.78, 25.41)	20.0%	20.3%	0.748	
Gila	0.6%	10.12***	(7.87, 13.01)	2.7%	2.8%	0.752	
Mohave	2.1%	5.05***	(4.12, 6.20)	4.2%	3.9%	0.647	
Pima	14.3%	1.60***	(1.38, 1.87)	7.8%	8.1%	0.668	
Coconino, Navajo	3.5%	8.85***	(7.57, 10.34)	12.1%	11.2%	0.278	
Yavapai	2.2%	5.71***	(4.69, 6.95)	4.6%	4.0%	0.252	
Yuma	3.3%	12.82***	(11.33, 14.51)	21.3%	21.8%	0.638	
Apache, Graham, Greenlee, Pinal, La Paz	6.5%	1.89***	(1.56, 2.28)	4.6%	4.2%	0.488	
County missing	2.3%	2.69***	(1.59, 4.54)	2.1%	2.5%	0.301	
<i>Median income of mother's zip code</i>							
Bottom income decile†	2.5%			1.5%	1.2%	0.260	0.046
Income decile 2	6.1%	2.66***	(1.93, 3.65)	15.3%	15.4%	0.914	
Income decile 3	9.7%	3.09***	(2.24, 4.25)	13.8%	14.7%	0.319	
Income decile 4	6.0%	3.93***	(2.83, 5.45)	11.1%	11.4%	0.713	
Income decile 5	8.3%	3.11***	(2.25, 4.29)	15.4%	15.0%	0.719	
Income decile 6	11.6%	2.21***	(1.58, 3.08)	7.3%	7.0%	0.616	
Income decile 7	12.5%	3.31***	(2.40, 4.55)	16.0%	15.4%	0.547	
Income decile 8	11.2%	4.03***	(2.92, 5.55)	11.8%	11.7%	0.936	
Income decile 9	13.0%	2.12***	(1.47, 3.07)	3.2%	3.4%	0.719	
Top income decile	11.1%	1.54**	(1.01, 2.35)	1.6%	1.6%	1.000	
Zip code missing	8.1%	2.51***	(1.64, 3.84)	3.1%	3.3%	0.715	
<i>Birth certificate year</i>							
2006-07†	21.1%			0.8%	0.7%	0.881	0.004
2008	10.0%	3.24***	(1.91, 5.49)	1.2%	1.0%	0.621	
2009	9.4%	9.27***	(5.88, 14.63)	3.2%	2.9%	0.452	
2010	8.8%	27.27***	(17.77, 41.84)	8.4%	8.6%	0.782	
2011	8.6%	49.91***	(32.76, 76.05)	14.6%	15.1%	0.586	
2012	8.7%	55.53***	(36.47, 84.55)	16.7%	16.9%	0.809	
2013	8.4%	56.72***	(37.21, 86.45)	15.1%	14.1%	0.306	
2014	8.5%	55.20***	(36.22, 84.12)	15.1%	15.4%	0.693	
2015	8.3%	54.05***	(35.43, 82.44)	14.3%	14.0%	0.795	
2016	8.2%	41.16***	(26.89, 62.99)	10.8%	11.2%	0.650	
<i>Other balancing factors</i>							
Age<20 & born in Mexico	3.7%	0.88	(0.71, 1.08)	5.4%	4.9%	0.382	
County, median income missing	2.0%	1.24	(0.63, 2.43)	1.6%	2.1%	0.151	

\*\*\* p&lt;.01; \*\* p&lt;.05; \* p&lt;.01

‡ p-value for difference in outcome rates between HSP and matches accounts for estimated propensity score.

† Reference category/categories.

HSP: Health Start Participants; MCG: Matched Control Group; SD: Standardized Differences (variables w/more than two categories).