

Supplemental Table S1. Baseline characteristics (standard error) of adult women by self-reported history of gestational diabetes (prior to baseline), Hispanic Community Health Study/Study of Latinos 2008-2011(N=6,389)

	Total N=6,389	Gestational Diabetes N=604	No Gestational Diabetes N=5785	p-value
	% (SE)	% (SE)	% (SE)	
Center				<0.001
Bronx	28.7 (1.68)	33.0 (3.16)	28.3 (1.76)	
Chicago	16.2 (1.11)	20.8 (2.30)	15.8 (1.13)	
Miami	28.4 (2.26)	15.3 (2.00)	29.6 (2.37)	
San Diego	26.7 (1.84)	30.9 (2.90)	26.3 (1.93)	
Age in years				<0.001
18-44	48.7 (1.10)	60.7 (2.73)	47.5 (1.14)	
45-64	40.6 (0.94)	34.2 (2.44)	41.3 (0.99)	
65-74	10.7 (0.69)	5.2 (1.47)	11.2 (0.74)	
Hispanic/Latino heritage group				<0.001
Central American	7.6 (0.66)	4.3 (0.88)	7.9 (0.70)	
Cuban	18.4 (1.80)	10.6 (1.73)	19.1 (1.90)	
Dominican	11.1 (0.89)	12.0 (1.98)	11.0 (0.93)	
Mexican	39.9 (1.81)	51.7 (3.20)	38.8 (1.87)	
Puerto Rican	15.5 (1.00)	17.9 (2.37)	15.3 (1.02)	
South American	4.96 (0.41)	2.1 (0.65)	5.2 (0.44)	
Language preference				0.137
Spanish	82.9 (1.00)	79.1 (2.67)	83.3 (1.05)	
English	17.1 (1.00)	20.9 (2.67)	16.7 (1.05)	
Age of immigration, years				<0.001
≤18	22.1 (1.10)	26.4 (3.25)	21.7 (1.14)	
19-29	34.9 (1.04)	50.4 (3.24)	33.5 (1.08)	
30-49	33.3 (1.04)	20.4 (2.25)	34.4 (1.07)	
≥50	9.75 (0.69)	2.8 (0.92)	10.4 (0.75)	
Number of pregnancies				<0.001
1-2	36.0 (0.96)	25.3 (2.26)	37.0 (1.02)	
3-4	40.9 (0.90)	48.4 (2.89)	40.1 (0.95)	
≥5	23.2 (0.78)	26.4 (2.60)	22.9 (0.81)	
High school education				0.738
< High school	35.0 (1.05)	36.5 (3.11)	34.9 (1.12)	
High school graduate	26.2 (0.85)	27.0 (2.68)	26.1 (0.87)	
>High school	38.8 (1.16)	36.6 (2.96)	39.1 (1.22)	
Household income				0.724
<\$20,000	49.4 (1.11)	51.3 (2.93)	49.2 (1.19)	
\$20,000 - \$74,999	38.1 (1.03)	37.9 (2.75)	38.1 (1.11)	
≥\$75,000	2.93 (0.47)	2.8 (0.89)	2.94 (0.50)	
Not reported	9.6 (0.60)	8.0 (1.57)	9.8 (0.62)	
Employment				0.005
Retired, not currently employed	10.1 (0.67)	5.7 (1.22)	10.5 (0.72)	
Not retired and not currently employed	46.8 (1.02)	52.6 (3.1)	46.3 (1.07)	
Employed part time, ≤35	18.5 (0.73)	20.1 (2.37)	18.3 (0.77)	

hrs/week				
Employed full time, >35 hrs/week	24.6 (0.77)	21.6 (2.30)	24.9 (0.82)	
Type of occupation, longest held				0.909
Non-skilled worker	26.3 (1.08)	28.3 (2.99)	26.1 (1.10)	
Service worker	17.3 (0.83)	17.0 (2.14)	17.3 (0.86)	
Skilled worker	18.6 (0.85)	17.8 (1.88)	18.7 (0.91)	
Professional/technical/other office worker	18.3 (0.80)	16.7 (2.35)	18.4 (0.84)	
Other	19.5 (0.89)	20.2 (2.88)	19.4 (0.94)	
Health insurance				0.059
No	47.5 (1.23)	41.8 (2.98)	48.0 (1.30)	
Yes	52.5 (1.23)	58.2 (2.98)	52.0 (1.30)	
Number of physician visits, past 12 months				0.092
0	23.2 (1.00)	17.7 (2.15)	23.8 (1.07)	
1	14.9 (0.68)	15.7 (2.20)	14.8 (0.70)	
2-3 times	26.0 (0.95)	27.7 (3.12)	25.8 (1.03)	
>3 times	35.9 (1.01)	38.9 (2.98)	35.6 (1.06)	
Years living in U.S.				<0.001
Born in US	14.5 (0.84)	18.2 (2.53)	14.2 (0.86)	
1-5	17.2 (0.99)	8.4 (1.49)	18.0 (1.05)	
6-15	29.1 (1.02)	27.6 (2.88)	29.3 (1.06)	
>15	39.2 (1.05)	45.8 (2.96)	38.5 (1.09)	
Smoking status				0.098
Never	15.5 (0.70)	16.7 (2.39)	15.4 (0.75)	
Former	14.2 (0.67)	10.6 (1.61)	14.5 (0.72)	
Current	70.3 (0.89)	72.8 (2.64)	70.1 (0.91)	
Family history of diabetes				<0.001
No	53.9 (1.06)	39.5 (3.17)	55.3 (1.10)	
Yes	46.1 (1.06)	60.5 (3.17)	44.7 (1.10)	
Statin Use, %				0.306
No	89.8 (0.61)	88.1 (1.71)	90.0 (0.65)	
Yes	10.2 (0.61)	11.9 (1.71)	10.1 (0.65)	
Body Mass Index, kg/m²				<0.001
<25.0	18.9 (0.79)	12.2 (1.89)	19.6 (0.84)	
25.0-29.9	36.7 (0.97)	28.3 (2.68)	37.5 (1.03)	
≥30.0	44.4 (1.03)	59.6 (2.91)	42.9 (1.11)	
Waist Circumference				<0.001
Low risk (<88 cm)	26.8 (0.92)	14.8 (1.83)	28.0 (0.98)	
High risk (≥88 cm)	73.2 (0.92)	85.3 (1.82)	72.0 (0.98)	
Hypertension				0.113
No	71.6 (0.90)	75.1 (2.30)	71.2 (0.94)	
Yes	28.5 (0.90)	24.9 (2.30)	28.8 (0.94)	
Elevated LDL				0.501
No	27.4 (0.87)	25.6 (2.83)	27.6 (0.91)	
Yes	72.6 (0.87)	74.4 (2.83)	72.4 (0.91)	
Low HDL				<0.001
No	51.5 (1.06)	41.4 (3.07)	52.5 (1.11)	

Yes	48.5 (1.06)	58.6 (3.07)	47.5 (1.11)	
Elevated triglycerides				0.014
No	74.1 (0.83)	67.4 (2.82)	74.7 (0.86)	
Yes	25.9 (0.83)	32.6 (2.82)	25.3 (0.86)	
Albuminuria				0.022
No	89.4 (0.59)	84.8 (2.14)	89.8 (0.61)	
Yes	10.6 (0.59)	15.2 (2.14)	10.2 (0.61)	
Diabetes				
No	81.4 (0.70)	65.0 (2.87)	83.0 (0.72)	<0.001
Yes	18.6 (0.70)	35.0 (2.87)	17.0 (0.72)	

GDM based on self-report at visit 1 or self-report at visit 2 for pregnancies before visit 1.

Supplemental Table S2. Odds ratios (95% confidence interval) of prevalent diabetes[†] at baseline associated with self-reported history of gestational diabetes diagnosis (prior to baseline): The Hispanic Community Health Study/Study of Latinos 2008-2011 (N=6,389)

	N (denominator)	Number of Prevalent Diabetes Cases	Odds Ratio (95% CI)
Overall	6389	1418	2.63 (2.01, 3.44)
Center			
Bronx	1501	374	2.95 (1.75, 4.97)
Chicago	1622	396	2.57 (1.68, 3.93)
Miami	1468	255	3.03 (1.62, 5.66)
San Diego	1799	393	2.21 (1.31, 3.72)
Age			
18-44 years	2057	156	6.20 (3.85, 9.98)
45-64 years	3790	1014	3.08 (2.26, 4.20)
65-74 years	543	248	1.98 (0.53, 7.35)
Hispanic/Latino Heritage			
Dominican	621	133	4.19 (2.18, 8.02)
Central American	679	127	2.97 (1.45, 6.05)
Cuban	791	155	2.91 (1.31, 6.47)
Mexican	2775	622	2.45 (1.62, 3.71)
Puerto-Rican	988	298	1.84 (1.06, 3.18)
South American	394	58	3.77 (1.25, 11.36)
Language preference			
Spanish	5452	1246	2.68 (2.00, 3.58)
English	938	172	2.73 (1.49, 5.01)
Age of immigration, years			
≤18	1096	232	3.24 (1.72, 6.09)
19-29	1889	386	4.39 (2.93, 6.58)
30-49	2097	499	2.18 (1.36, 3.50)
≥50	508	175	2.00 (0.57, 7.10)
Number of pregnancies			
1-2	1934	332	3.42 (2.11, 5.53)
3-4	2769	619	2.51 (1.72, 3.66)
≥5	1680	467	1.95 (1.21, 3.14)
High school education			
< High school	2558	718	2.39 (1.54, 3.71)
High school graduate	1522	294	2.78 (1.63, 4.74)
>High school	2294	399	2.77 (1.83, 4.20)
Household income			
<\$20,000	3079	757	2.97 (2.02, 4.37)
\$20,000 - \$74,999	2566	466	2.36 (1.61, 3.46)
≥\$75,000	168	25	3.36 (0.74, 15.32)
Not reported	577	170	2.09 (0.92, 4.76)
Employment			
Retired, not currently employed	632	275	2.82 (1.10, 7.23)
Not retired and not currently employed	2776	682	3.17 (2.12, 4.74)

Employed part time, ≤35 hrs/week	1190	185	3.30 (1.75, 6.23)
Employed full time, >35 hrs/week	1727	262	2.47 (1.49, 4.10)
Type of occupation, longest held			
Non-skilled worker	1889	462	3.71 (2.22, 6.21)
Service worker	1075	239	3.17 (1.74, 5.78)
Skilled worker	1193	259	2.63 (1.53, 4.53)
Professional/technical/other office worker	1034	178	1.15 (0.58, 2.28)
Other	1140	267	2.61 (1.37, 4.97)
Health insurance			
No	2995	536	2.69 (1.88, 3.84)
Yes	3319	863	2.62 (1.75, 3.93)
Number of physician visits, past 12 months			
0	1337	175	2.88 (1.42, 5.87)
1	928	112	2.03 (0.94, 4.37)
2-3 times	1666	340	2.92 (1.77, 4.80)
>3 times	2361	763	2.64 (1.79, 3.90)
Years living in U.S.			
Born in US	778	117	2.96 (1.45, 6.05)
1-5	874	144	2.57 (1.16, 5.69)
6-15	1643	273	2.52 (1.47, 4.33)
>15	3051	873	2.44 (1.69, 3.51)
Smoking status			
Never	921	178	2.34 (1.21, 4.51)
Former	1051	302	2.48 (1.31, 4.73)
Current	4412	934	2.83 (2.07, 3.86)
Family history of diabetes			
No	3195	478	2.59 (1.60, 4.20)
Yes	3157	931	2.27 (1.68, 3.06)
Statin Use, %			
No	5469	943	3.01 (2.22, 4.09)
Yes	799	451	2.35 (1.05, 5.27)
Body Mass Index, kg/m²			
<25.0	1079	112	4.84 (2.35, 9.98)
25.0-29.9	2296	386	2.75 (1.70, 4.44)
≥30.0	2997	910	20.02 (1.42, 2.87)
Waist Circumference			
Low risk (<88 cm)	1515	139	4.25 (2.09, 8.65)
High risk (≥88 cm)	4859	1271	2.23 (1.67, 3.00)
Hypertension			
No	4287	582	3.59 (2.49, 5.18)
Yes	2102	836	2.81 (1.84, 4.31)
Elevated LDL			
No	1488	219	3.14 (1.81, 5.46)
Yes	4899	1198	2.56 (1.88, 3.47)

Low HDL			
No	3282	620	3.14 (2.17, 4.55)
Yes	2825	737	2.20 (1.50, 3.23)
Elevated triglycerides			
No	4347	796	2.80 (1.98, 3.94)
Yes	1760	561	2.12 (1.38, 3.26)
Albuminuria			
No	5347	1084	2.62 (1.93, 3.56)
Yes	679	289	2.90 (1.50, 5.60)

GDM based on self-report at baseline or self-report at visit 2 for pregnancies before baseline

Supplemental Table S3. Number and rate (per 100 women) of incident diabetes† at visit 2 associated with self-reported history of gestational diabetes (prior to baseline): The Hispanic Community Health Study/Study of Latinos 2008-2017 (N=4,972)

	Gestational Diabetes prior to Baseline		No Gestational Diabetes prior to Baseline		p-value‡
	Incident Diabetes (N)	Rate (SE)	Incident Diabetes (N)	Rate (SE)	
Overall	113	31.0 (3.83)	746	13.0 (0.67)	<0.001
Center					
Bronx	26	35.5 (7.87)	169	12.3 (1.17)	0.003
Chicago	27	23.6 (4.40)	182	13.2 (1.28)	0.02
Miami	8	19.7 (7.27)	138	11.5 (1.29)	0.26
San Diego	52	35.4 (7.16)	257	15.7 (1.45)	0.008
Age					
18-44 years	48	28.4 (4.83)	162	8.4 (0.82)	<0.001
45-64 years	62	35.1 (4.97)	524	19.9 (0.99)	0.002
65-74 years	3	65.5 (23.52)	60	19.9 (3.88)	0.054
Hispanic/Latino Heritage					
Dominican	9	38.1 (11.9)	67	10.4 (1.53)	0.019
Central American	4	15.2 (9.34)	70	7.9 (1.13)	0.429
Cuban	5	16.1 (7.23)	92	14.1 (1.86)	0.790
Mexican	73	33.2 (5.42)	342	13.2 (1.06)	<0.001
Puerto-Rican	17	29.9 (8.92)	126	16.7 (2.02)	0.156
South American	2	12.6 (9.47)	32	7.6 (1.56)	0.602
Language preference					
Spanish	92	29.6 (3.92)	635	13.4 (0.76)	<0.001
English	21	35.2 (8.23)	111	11.6 (1.61)	0.005
Age of immigration, years					
≤18	21	33.0 (8.25)	118	9.7 (1.34)	0.006
19-29	48	29.0 (5.31)	197	10.7 (1.07)	<0.001
30-49	24	31.0 (6.88)	275	17.8 (1.53)	0.06
≥50	1	15.0 (11.99)	69	23.0 (3.45)	0.52
Number of pregnancies					
1-2	16	23.9 (6.64)	200	9.5 (0.95)	0.033
3-4	59	36.56 (5.54)	346	14.3 (1.04)	<0.001
≥5	38	29.73 (6.85)	200	17.6 (1.84)	0.080
High school education					
< High school	55	51.3 (6.49)	319	15.6 (1.28)	<0.001
High school graduate	22	21.6 (5.43)	163	10.6 (1.21)	0.047
>High school	35	21.2 (4.86)	264	12.5 (1.09)	0.086
Household income					
<\$20,000	57	35.7 (5.6)	362	13.1 (1.03)	<0.001
\$20,000 - \$74,999	47	24.8 (4.9)	302	12.3 (0.98)	0.012
≥\$75,000	3	16.2 (10.78)	15	11.7 (3.83)	0.690
Not reported	6	42.3 (14.74)	67	16.4 (2.82)	0.09
Employment					
Retired, not currently employed	4	52.9 (20.48)	87	23.8 (3.87)	0.16

Not retired and not currently employed	50	31.0 (5.93)	306	12.8 (1.03)	0.003
Employed part time, ≤35 hrs/week	20	35.6 (8.03)	152	12.3 (1.42)	0.004
Employed full time, >35 hrs/week	38	28.7 (6.27)	193	11.4 (1.20)	0.007
Type of occupation, longest held					
Non-skilled worker	34	35.6 (7.31)	220	12.7 (1.17)	0.003
Service worker	17	28.4 (7.62)	123	12.0 (1.64)	0.03
Skilled worker	22	30.4 (7.39)	142	17.1 (2.12)	0.09
Professional/technical/other office worker	13	22.9 (8.06)	124	12.2 (1.31)	0.19
Other	26	42.4 (9.15)	131	11.6 (1.49)	<0.001
Health insurance					
No	46	26.72 (5.64)	336	11.88 (0.92)	0.01
Yes	66	36.6 (5.25)	466	14.2 (1.03)	<0.001
Number of physician visits, past 12 months					
0	12	18.2 (6.88)	139	11.3 (1.29)	0.32
1	18	33.8 (9.14)	106	12.3 (1.65)	0.02
2-3 times	36	40.3 (7.36)	194	12.6 (1.31)	<0.001
>3 times	46	33.2 (5.89)	296	14.9 (1.33)	0.003
Years living in U.S.					
Born in US	19	33.1 (8.74)	87	10.7 (1.66)	0.01
1-5	4	10.9 (5.42)	91	11.9 (1.80)	0.86
6-15	24	23.6 (5.20)	189	11.4 (1.13)	0.02
>15	66	40.7 (5.86)	376	16.3 (1.21)	<0.001
Smoking status					
Never	14	30.7 (9.15)	109	11.8 (1.64)	0.041
Former	14	21.6 (7.21)	130	16.2 (2.02)	0.469
Current	85	32.3 (4.52)	507	12.7 (0.82)	<0.001
Family history of diabetes					
No	39	28.1 (6.04)	332	10.6 (0.86)	0.004
Yes	74	33.5 (4.51)	409	16.7 (1.11)	<0.001
Statin Use, %					
No	104	31.2 (4.05)	626	12.3 (0.68)	<0.001
Yes	7	39.0 (16.28)	102	26.2 (3.09)	0.441
Body Mass Index, kg/m²					
<25.0	11	23.3 (8.72)	56	4.0 (0.74)	0.028
25.0-29.9	27	18.4 (4.55)	261	11.2 (1.04)	0.126
≥30.0	75	40.2 (5.55)	429	20.0 (1.30)	<0.001
Waist Circumference					
Low risk (<88 cm)	99	34.5 (4.44)	644	16.7 (0.85)	<0.001
High risk (≥88 cm)	14	14.8 (5.3)	100	5.1 (0.85)	0.070
Hypertension					
No	85	28.1 (4.22)	439	10.2 (0.68)	<0.001
Yes	28	50.1 (8.45)	307	24.1 (1.83)	0.003
Elevated LDL					

No	27	29.2 (6.36)	144	10.6 (1.28)	0.005
Yes	86	32.4 (4.49)	602	14.2 (0.79)	<0.001
Low HDL					
No	55	31.4 (5.5)	353	11.4 (0.86)	<0.001
Yes	55	33.0 (5.38)	359	14.5 (1.09)	<0.001
Elevated triglycerides					
No	68	28.6 (4.31)	448	10.6 (0.71)	<0.001
Yes	42	41.9 (7.45)	264	21.2 (1.69)	0.008
Albuminuria					
No	94	30.5 (4.34)	624	12.3 (0.67)	<0.001
Yes	15	55.8 (11.07)	76	17.6 (2.74)	<0.001

GDM based on self-report at baseline or self-report at follow up for pregnancies before baseline visit

†Only women without diabetes at baseline were included (N=4,972)

‡t-test used to compare rate of incident diabetes in women with vs. without GDM

For some variables the number of cases do not add to the total number due to few missing values.