TABLE 1 | Maternal demographic characteristics from the National Birth Defects Prevention Study (1997-2011) by case-control status

Characteristic	Control, N = 11174[1]	Case, N = 30177[1]
Age at delivery in years		
<20 years old	1087 (9.7%)	3045 (10%)
20 - 24 years old	2507 (22%)	7109 (24%)
25 - 29 years old	3119 (28%)	8170 (27%)
30 - 34 years old	2889 (26%)	7324 (24%)
35 - 39 years old	1315 (12%)	3667 (12%)
40+ years old	257 (2.3%)	862 (2.9%)
Race/ethnicity		
Hispanic	2672 (24%)	7281 (24%)
Non-Hispanic Black	1197 (11%)	2912 (9.7%)
Non-Hispanic White	6576 (59%)	17968 (60%)
Other	724 (6.5%)	2011 (6.7%)
Unknown	5	5
Pre-pregnancy BMI		
Normal weight	5734 (53%)	14729 (51%)
Obese	1954 (18%)	5941 (21%)
Overweight	2458 (23%)	6679 (23%)
Underweight	576 (5.4%)	1554 (5.4%)
Unknown	452	1274
Education in years		
0-12 years	4441 (40%)	12860 (43%)
Greater than 12 years	6635 (60%)	17044 (57%)
Unknown	98	273
Cigarette smoking (B1- P3)		
No	9106 (82%)	23887 (80%)
Yes	2012 (18%)	6114 (20%)
Unknown	56	176
Alcohol consumption (B1 - P3)		
No	6956 (63%)	19027 (64%)
Yes	4124 (37%)	10872 (36%)
Unknown	94	278
Gravidity		
1 birth	3290 (29%)	9248 (31%)
2+ births	7881 (71%)	20916 (69%)
Unknown	3	13
Periconceptional multivitamin or prenatal vitamin		
No	2679 (24%)	7203 (24%)
Yes	8473 (76%)	22899 (76%)
Unknown	22	75
Northern study center (>37N)		
No	7067 (63%)	19956 (66%)
Yes	4107 (37%)	10221 (34%)
Low UV conception month		
No	9202 (82%)	24797 (82%)
Yes	1972 (18%)	5380 (18%)
Fall/winter conception		
No	5610 (50%)	14892 (49%)
Yes	5564 (50%)	15285 (51%)
Low dietary Vitamin D		
No	7429 (66%)	18922 (63%)
Yes	3745 (34%)	11255 (37%)

[1] Statistics presented: n (%)