

Supplemental Table 1 Association of preterm birth (PTB) and small-for-gestational age (SGA) with occupational physical activities and psychosocial stressors in the first trimester of pregnancy, National Birth Defects Prevention Study (NBDPS), 1997-2009

O*NET item ^a	PTB				SGA			
	Crude OR ^b	(95% CI ^c)	Adjusted OR ^b	(95% CI ^c)	Crude OR ^b	95% CI ^c	Adjusted OR ^b	(95% CI ^c)
General physical activities								
Q1		Referent		Referent		Referent		Referent
Q2	1.04	(0.79 to 1.38)	0.99	(0.75 to 1.32)	1.07	(0.80 to 1.44)	1.00	(0.75 to 1.34)
Q3	1.15	(0.88 to 1.49)	1.07	(0.82 to 1.41)	1.22	(0.93 to 1.60)	1.11	(0.84 to 1.46)
Q4	1.26	(0.96 to 1.64)	1.14	(0.87 to 1.50)	1.32	(0.99 to 1.73)	1.18	(0.89 to 1.56)
Bending or twisting the body								
Q1		Referent		Referent		Referent		Referent
Q2	1.18	(0.89 to 1.56)	1.15	(0.87 to 1.53)	1.07	(0.80 to 1.43)	1.04	(0.78 to 1.39)
Q3	1.38	(1.04 to 1.83)	1.27	(0.95 to 1.70)	1.43	(1.08 to 1.89)	1.28	(0.95 to 1.72)
Q4	1.55	(1.19 to 2.04)	1.44	(1.08 to 1.92)	1.48	(1.12 to 1.95)	1.31	(0.98 to 1.76)
Standing								
Q1		Referent		Referent		Referent		Referent
Q2	1.03	(0.78 to 1.35)	1.02	(0.77 to 1.34)	1.12	(0.84 to 1.49)	1.13	(0.85 to 1.50)
Q3	1.08	(0.83 to 1.41)	1.04	(0.80 to 1.36)	1.14	(0.86 to 1.50)	1.11	(0.84 to 1.47)
Q4	1.21	(0.93 to 1.57)	1.06	(0.80 to 1.41)	1.43	(1.10 to 1.87)	1.23	(0.92 to 1.64)
Handling and moving objects								
Q1		Referent		Referent		Referent		Referent
Q2	1.24	(0.95 to 1.63)	1.19	(0.90 to 1.56)	1.23	(0.93 to 1.63)	1.17	(0.88 to 1.56)
Q3	1.13	(0.86 to 1.50)	1.10	(0.83 to 1.45)	1.09	(0.81 to 1.45)	1.06	(0.79 to 1.42)
Q4	1.27	(0.97 to 1.66)	1.12	(0.84 to 1.49)	1.48	(1.13 to 1.94)	1.29	(0.96 to 1.72)
Walking and running								
Q1		Referent		Referent		Referent		Referent
Q2	0.97	(0.74 to 1.27)	0.97	(0.74 to 1.28)	0.80	(0.60 to 1.07)	0.81	(0.60 to 1.08)
Q3	0.92	(0.70 to 1.22)	0.87	(0.65 to 1.15)	1.18	(0.90 to 1.55)	1.11	(0.84 to 1.47)

Q4	1.34	(1.04 to 1.73)	1.23	(0.95 to 1.61)	1.27	(0.98 to 1.66)	1.15	(0.87 to 1.51)
Kneeling, crouching, or stooping								
Q1		Referent		Referent		Referent		Referent
Q2	1.14	(0.87 to 1.50)	1.11	(0.85 to 1.46)	1.34	(1.00 to 1.79)	1.30	(0.97 to 1.73)
Q3	1.12	(0.84 to 1.49)	1.05	(0.78 to 1.40)	1.41	(1.05 to 1.90)	1.29	(0.95 to 1.75)
Q4	1.27	(0.97 to 1.67)	1.15	(0.87 to 1.52)	1.53	(1.15 to 2.04)	1.37	(1.02 to 1.85)
Keeping or regaining balance								
Q1		Referent		Referent		Referent		Referent
Q2	1.02	(0.77 to 1.35)	1.00	(0.75 to 1.33)	1.31	(0.97 to 1.76)	1.28	(0.96 to 1.73)
Q3	1.32	(1.01 to 1.70)	1.24	(0.96 to 1.62)	1.38	(1.04 to 1.85)	1.30	(0.97 to 1.74)
Q4	1.20	(0.92 to 1.57)	1.06	(0.80 to 1.41)	1.60	(1.20 to 2.13)	1.40	(1.04 to 1.89)
Dealing with unpleasant or angry people								
Q1		Referent		Referent		Referent		Referent
Q2	1.04	(0.80 to 1.36)	1.12	(0.86 to 1.47)	0.87	(0.66 to 1.14)	0.95	(0.72 to 1.25)
Q3	0.92	(0.70 to 1.22)	0.96	(0.72 to 1.28)	0.87	(0.66 to 1.15)	0.91	(0.69 to 1.21)
Q4	1.24	(0.96 to 1.60)	1.26	(0.97 to 1.63)	1.08	(0.84 to 1.40)	1.10	(0.84 to 1.43)
Dealing with conflict situations								
Q1		Referent		Referent		Referent		Referent
Q2	1.01	(0.78 to 1.32)	0.95	(0.72 to 1.25)	1.00	(0.76 to 1.30)	1.12	(0.85 to 1.47)
Q3	0.97	(0.74 to 1.26)	0.95	(0.74 to 1.23)	0.99	(0.76 to 1.29)	1.06	(0.81 to 1.39)
Q4	1.06	(0.81 to 1.39)	1.15	(0.88 to 1.51)	0.75	(0.56 to 1.00)	0.89	(0.66 to 1.20)
Dealing with physically aggressive people								
Q1		Referent		Referent		Referent		Referent
Q2	0.99	(0.75 to 1.30)	1.01	(0.77 to 1.33)	0.99	(0.76 to 1.30)	1.02	(0.78 to 1.34)
Q3	1.00	(0.76 to 1.32)	1.05	(0.79 to 1.39)	0.95	(0.72 to 1.25)	1.00	(0.76 to 1.32)
Q4	1.34	(1.03 to 1.73)	1.38	(1.06 to 1.79)	1.00	(0.76 to 1.30)	1.03	(0.79 to 1.35)

Resolving conflicts and negotiating with others									
Q1		Referent		Referent		Referent		Referent	
Q2	0.94	(0.72 to 1.22)	0.98	(0.75 to 1.28)	1.02	(0.79 to 1.33)	1.07	(0.82 to 1.39)	
Q3	0.99	(0.76 to 1.29)	1.13	(0.86 to 1.49)	0.96	(0.73 to 1.25)	1.09	(0.82 to 1.45)	
Q4	0.76	(0.57 to 1.01)	0.88	(0.65 to 1.20)	0.58	(0.43 to 0.79)	0.68	(0.49 to 0.95)	
Making repetitive motions									
Q1		Referent		Referent		Referent		Referent	
Q2	1.09	(0.83 to 1.42)	1.02	(0.78 to 1.34)	1.42	(1.06 to 1.91)	1.35	(1.00 to 1.82)	
Q3	1.00	(0.76 to 1.30)	0.89	(0.67 to 1.18)	1.57	(1.18 to 2.09)	1.41	(1.05 to 1.90)	
Q4	1.15	(0.88 to 1.50)	1.00	(0.76 to 1.33)	1.76	(1.32 to 2.34)	1.56	(1.15 to 2.11)	
Pace determined by speed of equipment									
Q1		Referent		Referent		Referent		Referent	
Q2	1.23	(0.94 to 1.61)	1.11	(0.83 to 1.47)	0.88	(0.67 to 1.17)	0.85	(0.64 to 1.13)	
Q3	1.19	(0.91 to 1.55)	1.07	(0.81 to 1.41)	1.14	(0.87 to 1.49)	1.04	(0.79 to 1.37)	
Q4	1.15	(0.88 to 1.51)	0.97	(0.73 to 1.30)	1.15	(0.88 to 1.50)	0.96	(0.73 to 1.28)	
Degree of automation									
Q1		Referent		Referent		Referent		Referent	
Q2	1.07	(0.83 to 1.38)	1.06	(0.83 to 1.37)	1.04	(0.80 to 1.37)	1.03	(0.79 to 1.35)	
Q3	0.75	(0.57 to 0.99)	0.74	(0.56 to 0.98)	1.00	(0.76 to 1.32)	0.98	(0.74 to 1.30)	
Q4	0.85	(0.65 to 1.11)	0.85	(0.64 to 1.11)	0.97	(0.74 to 1.29)	0.97	(0.73 to 1.28)	
Consequence of error									
Q1		Referent		Referent		Referent		Referent	
Q2	0.85	(0.65 to 1.11)	0.87	(0.67 to 1.14)	0.79	(0.60 to 1.03)	0.81	(0.62 to 1.06)	
Q3	0.84	(0.64 to 1.10)	0.90	(0.68 to 1.19)	0.90	(0.69 to 1.18)	0.98	(0.74 to 1.29)	
Q4	1.08	(0.84 to 1.40)	1.17	(0.90 to 1.53)	0.84	(0.64 to 1.10)	0.93	(0.71 to 1.23)	
Making decisions and solving problems									
Q1		Referent		Referent		Referent		Referent	
Q2	0.94	(0.73 to 1.23)	1.03	(0.78 to 1.34)	0.98	(0.77 to 1.26)	1.04	(0.80 to 1.34)	

Q3	0.82	(0.63 to 1.06)	0.94	(0.71 to 1.25)	0.96	(0.73 to 1.25)	1.06	(0.79 to 1.41)
Q4	0.92	(0.71 to 1.19)	1.19	(0.87 to 1.64)	0.53	(0.39 to 0.72)	0.62	(0.43 to 0.88)
Importance of being exact or accurate								
Q1		Referent		Referent		Referent		Referent
Q2	1.13	(0.87 to 1.47)	1.21	(0.92 to 1.58)	0.82	(0.63 to 1.07)	0.88	(0.67 to 1.15)
Q3	0.96	(0.73 to 1.27)	1.06	(0.80 to 1.40)	0.84	(0.64 to 1.10)	0.93	(0.71 to 1.23)
Q4	1.06	(0.81 to 1.39)	1.20	(0.90 to 1.59)	0.83	(0.64 to 1.09)	0.96	(0.72 to 1.27)

^a Each Occupational Information Network (O*NET) item ranged from 0 (lowest) to 100 (highest). O*NET items were categorized in quartiles (Q), based on the distribution among the NBDPS control infants, for general physical activities (<23.25, 23.25-33.99, 34.00-44.85, and ≥44.86); bending or twisting the body (<15.75, 15.75-24.49, 24.50-45.99, and ≥46.00); standing (<32.75, 32.75-59.49, 59.50-79.99, and ≥80.00); handling and moving objects (<30.14, 30.14-43.28, 43.29-54.28, and ≥54.29); walking and running (<25.00, 25.00-43.37, 43.38-56.11, and ≥56.12); kneeling, crouching, or stooping (<10.00, 10.00-18.24, 18.25-27.24, and ≥27.25); keeping or regaining balance (<3.00, 3.00-7.49, 7.50-17.74, and ≥17.75); dealing with unpleasant or angry people (<42.00, 42.00-55.62, 55.63-66.62, and ≥66.63); dealing with conflict situations (<39.13, 39.13-49.74, 49.75-57.99, and ≥58.00); dealing with physically aggressive people (<5.00, 5.00-12.74, 12.75-24.74, and ≥24.75); resolving conflicts and negotiating with others (<34.14, 34.14-44.70, 44.71-58.28, and ≥58.29); making repetitive motions (<33.25, 33.25-48.24, 48.25-61.49, and ≥61.50); pace determined by speed of equipment (<5.00, 5.00-11.24, 11.25-18.24, and ≥18.25); degree of automation (<18.75, 18.75-30.99, 31.00-42.36, and ≥42.37); consequence of error (<28.50, 28.50-37.99, 38.00 to <49.99, and ≥50.00); making decisions and solving problems (<33.71, 33.71-49.56, 49.57-63.70, and ≥63.71); and importance of being exact or accurate (<63.50, 63.50-74.99, 75.00-84.74, and ≥84.75)

^b Odds ratio

^c 95% confidence intervals

^d Adjusted for maternal age, race/ethnicity, education, and smoking