

# Multiple Job Holding, Job Changes, and Associations with Gestational Diabetes and Pregnancy-Related Hypertension in the National Birth Defects Prevention Study

Amel Omari <sup>1,2,\*</sup>, Miriam R. Siegel <sup>1</sup>, Carissa M. Rocheleau <sup>1</sup>, Kaori Fujishiro <sup>1</sup>, Kristen Van Buren <sup>1</sup>, Dallas Shi <sup>1,2</sup>, A.J. Agopian <sup>3</sup>, Suzanne M. Gilboa <sup>4</sup> and Paul A. Romitti <sup>5</sup>

<sup>1</sup> Division of Field Studies and Engineering, National Institute for Occupational Safety and Health, Cincinnati, OH 45213, USA

<sup>2</sup> Epidemic Intelligence Service Officer, Centers for Disease Control and Prevention (CDC), Atlanta, GA 30329, USA

<sup>3</sup> Department of Epidemiology, Human Genetics, and Environmental Sciences, UTHealth School of Public Health, Houston, TX 77030, USA

<sup>4</sup> Division of Birth Defects and Infant Disorders, National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention (CDC), Atlanta, GA 30329, USA

<sup>5</sup> Department of Epidemiology, College of Public Health, The University of Iowa, Iowa City, IA 52242, USA

\* Correspondence: [rlx9@cdc.gov](mailto:rlx9@cdc.gov)

**Table S1.** Associations between gestational diabetes or pregnancy-related hypertension and working pattern, stratified by prior-year household income and adjusted for maternal age and education, National Birth Defects Prevention Study, 1997-2011. Income cut points are set at \$10,000 and \$50,000.\*

	Single job holders			Job changers			Multiple job holders		
Prior-year household income strata	<\$10K	\$10K-50K	>\$50K	<\$10K	\$10K-50K	>\$50K	<\$10K	\$10K-50K	>\$50K
Gestational diabetes	n=887	n=2712	n=2733	n=126	n=282	n=97	n=67	n=322	n=227
aOR (95% CI)	ref.	ref.	ref.	1.05 (0.46-2.39)	0.67 (0.31-1.46)	0.28 (0.04-2.05)	1.06 (0.37-3.08)	<b>1.70</b> <b>(1.04-2.77)</b>	1.56 (0.88-2.78)
Pregnancy-related hypertension	n=415	n=1024	n=1173	n=52	n=107	n=44	n=25	n=136	n=107
aOR (95% CI)	ref.	ref.	ref.	0.86 (0.29-2.55)	0.58 (0.26-1.29)	1.26 (0.44-3.64)	<b>4.24</b> <b>(1.64-10.94)</b>	0.74 (0.39-1.42)	<b>2.14</b> <b>(1.20-3.84)</b>

\*All models have been adjusted for maternal age and educational attainment. Bolded format indicates statistically significant difference ( $\alpha=0.05$ ) between multiple job holders and single job holders in the same stratum.