



Eunice Kennedy Shriver National Institute
of Child Health and Human Development

DIABETES
& WOMEN'S
HEALTH



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A Study of the National Institutes of Health

Diabetes & Women's Health: A Study of Long-Term Health Implications of Glucose Intolerance in Pregnancy (DWH)

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Published Papers from the DWH Study

1. Tobias DK, Hu FB, Chavarro J, Rosner B, Mozaffarian D, Zhang C. Healthful dietary patterns and type 2 diabetes mellitus risk among women with a history of gestational diabetes mellitus. *Arch Intern Med*. 2012 Nov 12;172(20):1566-72. PMID: 22987062. PMCID: [PMC3774782](#).
2. Song Y, Yeung E, Liu A, Vanderweele TJ, Chen L, Lu C, Liu C, Schisterman EF, Ning Y, Zhang C. Pancreatic beta-cell function and type 2 diabetes risk: quantify the causal effect using a Mendelian randomization approach based on meta-analyses. *Hum Mol Genet*. 2012 Nov 15;21(22):5010-8. PMID: 22936689. PMCID: [PMC3607483](#).
3. Bao W, Hu FB, Rong S, Rong Y, Bowers K, Schisterman EF, Liu L, Zhang C. Predicting risk of type 2 diabetes mellitus with genetic risk models on the basis of established genome-wide association markers: a systematic review. *Am J Epidemiol*. 2013 Oct 15;178(8):1197-207. PMID: 24008910. PMCID: [PMC3792732](#).
4. Bao W, Tobias DK, Bowers K, Chavarro J, Vaag A, Grunnet LG, Strøm M, Mills J, Liu A, Kiely M, Zhang C. Physical activity and sedentary behaviors associated with risk of progression from gestational diabetes mellitus to type 2 diabetes mellitus: a prospective cohort study. *JAMA Intern Med*. 2014 Jul;174(7):1047-55. PMID: 24841449. PMCID: [PMC4209161](#).
5. Zhang C, Tobias DK, Chavarro JE, Bao W, Wang D, Ley SH, Hu FB. Adherence to healthy lifestyle and risk of gestational diabetes mellitus: prospective cohort study. *BMJ*. 2014 Sep 30;349:g5450. PMID: 25269649. PMCID: [PMC4180295](#).
6. Zhang C, Hu FB, Olsen SF, Vaag A, Gore-Langton R, Chavarro JE, Bao W, Yeung E, Bowers K, Grunnet LG, Sherman S, Kiely M, Strøm M, Hansen S, Liu A, Mills J, Fan R; DWH study team. Rationale, design, and method of the Diabetes & Women's Health study--a study of long-term health implications of glucose intolerance in pregnancy and their determinants. *Acta Obstet Gynecol Scand*. 2014 Nov;93(11):1123-30. PMID: 24828694. PMCID: [PMC4205761](#).
7. Tobias DK, Gaskins AJ, Missmer SA, Hu FB, Manson JE, Buck Louis GM, Zhang C, Chavarro JE. History of infertility and risk of type 2 diabetes mellitus: a prospective cohort study. *Diabetologia*. 2015 Apr;58(4):707-15. PMID: 25596853. PMCID: [PMC4416980](#).
8. Bao W, Yeung E, Tobias DK, Hu FB, Vaag AA, Chavarro JE, Mills JL, Grunnet LG, Bowers K, Ley SH, Kiely M, Olsen SF, Zhang C. Long-term risk of type 2 diabetes mellitus in relation

to BMI and weight change among women with a history of gestational diabetes mellitus: a prospective cohort study. *Diabetologia*. 2015 Jun;58(6):1212-9. PMID: 25796371. PMCID: [PMC4629783](#).

9. Bao W, Li S, Chavarro JE, Tobias K, Zhu Y, Zhang C. Low-carbohydrate-diet scores and long-term risk of type 2 diabetes among women with a history of gestational diabetes: a prospective cohort study. *Diabetes Care*. 2016 Jan;39(1):43-9. PMID: 26577416. PMCID: [PMC4686844](#).
10. Zhu Y and Zhang C. Prevalence of Gestational Diabetes and Risk of Progression to Type 2 Diabetes: A Global Perspective. *Curr Diab Rep*. 2016 Jan;16(1):7. PMID: 26742932.
11. Bao W, Chavarro JE, Tobias DK, Bowers K, Li S, Hu FB, Zhang C. Long-term risk of type 2 diabetes in relation to habitual iron intake in women with a history of gestational diabetes: a prospective cohort study. *Am J Clin Nutr*. 2016 Feb;103(2):375-81. PMID: 26762369. PMCID: [PMC4733253](#).
12. Li S, Zhu Y, Chavarro JE, Bao W, Tobias DK, Ley SH, Forman JP, Liu A, Mills J, Bowers K, Strøm M, Hansen S, Hu FB, Zhang C. Healthful dietary patterns and the risk of hypertension among women with a history of gestational diabetes: a prospective cohort study. *Hypertension*. 2016 Jun;67(6):1157-65. PMID: 27091899. PMCID: [PMC4865422](#).
13. Zhu Y, Olsen SF, Mendola P, Halldorsson TI, Rawal S, Hinkle SN, Yeung EH, Chavarro JE, Grunnet LG, Granström C, Bjerregaard AA, Hu FB, Zhang C. Maternal consumption of artificially-sweetened beverages during pregnancy, and offspring growth through 7 years of age: A prospective cohort study. *Int J Epidemiol*. 2017 Jun 6. [Epub ahead of print]. PMID: 28586472.
14. Zhu Y, Olsen SF, Mendola P, Halldorsson TI, Yeung EH, Granström C, Bjerregaard AA, Wu J, Rawal S, Chavarro JE, Hu FB, Zhang C. Maternal dietary intakes of refined grains during pregnancy and growth through the first 7 years of life among children born to women with gestational diabetes. *Am J Clin Nutr*. 2017 Jun 7. [Epub ahead of print]. PMID: 28592607.