



The EAGeR Trial

**Multisite, Randomized Placebo-Controlled Clinical Trial Designed to Evaluate the Effect of
Daily Low-Dose Aspirin (LDA) on Live-Birth Rates**

Enrique F. Schisterman, Principal Investigator, NICHD

Robert M. Silver, Site Principal Investigator, University of Utah

Jean Wactawski-Wende, Site Principal Investigator, University at Buffalo

Anne M. Lynch, Site Principal Investigator, University of Colorado

Janet M. Townsend, Site Principal Investigator, Commonwealth Medical College

Noya Galai, Site Principal Investigator, University of Haifa

The EAGeR Trial Publications
(updated November 2020)

1. Schisterman EF, Silver RM, Perkins NJ, Mumford SL, Whitcomb BW, Stanford JB, Leshner LL, Faraggi D, Wactawski-Wende J, Browne RW, Townsend JM, White M, Lynch AM, Galai N. A randomised trial to evaluate the effects of low-dose aspirin in gestation and reproduction: design and baseline characteristics. *Paediatric and Perinatal Epidemiology*. 2013; 27(6):598-609. PMID: [24118062](#). PMCID: [PMC3821875](#)
2. Schisterman EF, Silver RM, Leshner LL, Faraggi D, Wactawski-Wende J, Townsend JM, Lynch AM, Perkins NJ, Mumford SL, Galai N. Preconception Low-Dose Aspirin and Pregnancy Outcomes: Results from the EAGeR Randomised Trial. *Lancet*. 2014; 384(9937):29-36. PMID: [24702835](#). PMCID: [PMC4181666](#)
3. Leshner LL, Matyas RA, Sjaarda LA, Newman SL, Silver RM, Galai N, Hovey KM, Wactawski-Wende J, Emerick L, Lynch AM, Mead B, Townsend JM, Perkins NJ, Mumford SL, Stanford J, Schisterman EF. Recruitment for longitudinal, randomised pregnancy trials initiated preconception: lessons from the Effects of Aspirin in Gestation and Reproduction trial. *Paediatric and Perinatal Epidemiology*. 2015; 29(2):162-167. PMID: [25682951](#)
4. Wong LF, Schliep KC, Silver RM, Mumford SL, Perkins NJ, Ye A, Galai N, Wactawski-Wende J, Lynch AM, Townsend JM, Faraggi D, Schisterman EF. The effect of a very short interpregnancy interval and pregnancy outcomes following a previous pregnancy loss. *American Journal of Obstetrics and Gynecology*. 2015; 212(3):375.e1-11. PMID: [25246378](#). PMCID: [PMC4646440](#)
5. Silver RM, Ahrens K, Wong LF, Perkins NJ, Galai N, Leshner LL, Faraggi D, Wactawski-Wende J, Townsend JM, Lynch AM, Mumford SL, Sjaarda L, Schisterman EF. Low-dose aspirin and preterm birth: a randomized controlled trial. *Obstetrics and Gynecology*. 2015; 125(4):876-884. PMID: [25751215](#)
6. Schisterman EF, Mumford SL, Schliep KC, Sjaarda LA, Stanford JB, Leshner LL, Wactawski-Wende J, Lynch AM, Townsend JM, Perkins NJ, Zarek SM, Tsai MY, Chen Z, Faraggi D, Galai N, Silver RM. Preconception low dose aspirin and time to pregnancy: findings from the Effects of Aspirin in Gestation and Reproduction randomized trial. *The Journal of Clinical Endocrinology and Metabolism*. 2015; 100(5):1785-1791. PMID: [25710565](#). PMCID: [PMC4422888](#)
7. Radin RG, Mumford SL, Silver RM, Leshner LL, Galai N, Faraggi D, Wactawski-Wende J, Townsend JM, Lynch AM, Simhan HN, Sjaarda LA, Perkins NJ, Zarek SM, Schliep KC, Schisterman EF. Sex ratio following preconception low-dose aspirin in women with prior pregnancy loss. *The Journal of Clinical Investigation*. 2015; 125(9):3619-3626. PMID: [26280577](#). PMCID: [PMC4588294](#)

8. Zarek SM, Mitchell EM, Sjaarda LA, Mumford SL, Silver RM, Stanford JB, Galai N, White MV, Schliep KC, DeCherney AH, Schisterman EF. Is anti-Müllerian hormone associated with fecundability? Findings from the EAGeR trial. *The Journal of Clinical Endocrinology and Metabolism*. 2015; 100(11):4215-4221. PMID: [26406293](#). PMID: [PMC4702454](#)
9. Schliep KC, Mitchell EM, Mumford SL, Radin RG, Zarek SM, Sjaarda L, Schisterman EF. Trying to Conceive After an Early Pregnancy Loss: An Assessment on How Long Couples Should Wait. *Obstetrics and Gynecology*. 2016; 127(2):204-212. PMID: [26942344](#). PMID: [PMC4780347](#)
10. Mumford SL, Silver RM, Sjaarda LA, Wactawski-Wende J, Townsend JM, Lynch AM, Galai N, Leshner LL, Faraggi D, Perkins NJ, Schliep KC, Zarek SM, Schisterman EF. Expanded Findings from a Randomized Controlled Trial of Preconception Low-Dose Aspirin and Pregnancy Loss. *Human Reproduction*. 2016; 31(3):657-665. PMID: [26759138](#). PMID: [PMC4755442](#)
11. Zarek SM, Mitchell EM, Sjaarda LA, Mumford SL, Silver RM, Stanford JB, Galai N, Schliep KC, Radin RG, Plowden TC, DeCherney AH, Schisterman EF. Antimüllerian hormone and pregnancy loss from the Effects of Aspirin in Gestation and Reproduction Trial. *Fertility and Sterility*. 2016; 105(4):946-952.e2. PMID: [26707905](#). PMID: [PMC4821799](#)
12. Ahrens KA, Silver RM, Mumford SL, Sjaarda LA, Perkins NJ, Wactawski-Wende J, Galai N, Townsend JM, Lynch AM, Leshner LL, Faraggi D, Zarek S, Schisterman EF. Complications and Safety of Preconception Low-Dose Aspirin Among Women with Prior Pregnancy Losses. *Obstetrics and Gynecology*. 2016; 127(4):689-698. PMID: [26959198](#). PMID: [PMC4805457](#)
13. Plowden TC, Schisterman EF, Sjaarda LA, Zarek SM, Perkins NJ, Silver R, Galai N, DeCherney AH, Mumford SL. Subclinical Hypothyroidism and Thyroid Autoimmunity Are Not Associated with Fecundity, Pregnancy Loss, or Live Birth. *The Journal of Clinical Endocrinology and Metabolism*. 2016; 101(6):2358-2365. PMID: [27023447](#). PMID: [PMC4891792](#)
14. Hinkle SN, Mumford SL, Grantz KL, Silver RM, Mitchell EM, Sjaarda LA, Radin RG, Perkins NJ, Galai N, Schisterman EF. Association of Nausea and Vomiting During Pregnancy with Pregnancy Loss: A Secondary Analysis of a Randomized Clinical Trial. *Journal of the American Medical Association Internal Medicine*. 2016; 176(11):1621-1627. PMID: [27669539](#)
15. Radin RG, Sjaarda LA, Perkins NJ, Silver RM, Chen Z, Leshner LL, Galai N, Wactawski-Wende J, Mumford SL, Schisterman EF. Low-dose aspirin and sporadic anovulation in the EAGeR randomized trial. *The Journal of Clinical Endocrinology and Metabolism*. 2017; 102(1):86-92. PMID: [27754808](#). PMID: [PMC5413097](#)

16. Pugh SJ, Schisterman EF, Browne RW, Lynch AM, Mumford SL, Perkins NJ, Silver R, Sjaarda L, Stanford JB, Wactawski-Wende J, Wilcox B, Grantz KL. Preconception maternal lipoprotein levels in relation to fecundability. *Human Reproduction*. 2017; 32(5):1055-1063. PMID: [28333301](#)
17. Sjaarda LA, Radin RG, Silver RM, Mitchell E, Mumford SL, Wilcox B, Galai N, Perkins NJ, Wactawski-Wende J, Stanford JB, Schisterman EF. Preconception low-dose aspirin restores diminished pregnancy and live birth rates in women with low-grade inflammation: a secondary analysis of a randomized trial. *The Journal of Clinical Endocrinology and Metabolism*. 2017; 102(5):1495-1504. PMID: [28323989](#). PMCID: [PMC5443323](#)
18. Radin RG, Mumford SL, Sjaarda LA, Silver RM, Wactawski-Wende J, Lynch AM, Perkins NJ, Leshner LL, Wilcox BD, Hinkle SN, Plowden TC, Kim K, Schisterman EF. Recent attempted and actual weight change in relation to pregnancy loss: a prospective cohort study. *British Journal of Obstetrics and Gynecology*. 2018; 125(6):676-684. PMID: [29067752](#). PMCID: [PMC5918461](#)
19. Plowden TC, Schisterman EF, Sjaarda LA, Perkins NJ, Silver R, Radin R, Kim K, Galai N, DeCherney AH, Mumford SL. Thyroid-stimulating hormone, anti-thyroid antibodies, and pregnancy outcomes. *American Journal of Obstetrics and Gynecology*. 2017; 217(6):697.e1- 697.e7. PMID: [28917612](#). PMCID: [PMC5712235](#)
20. Connell MT, Sjaarda LA, Radin RG, Kuhr D, Mumford SL, Plowden TC, Silver RM, Schisterman EF. The Effects of Aspirin in Gestation and Reproduction (EAGeR) Trial: A Story of Discovery. *Seminars in Reproductive Medicine*. 2017; 35(4):344-352. PMID: [29036741](#)
21. Sjaarda LA, Radin RG, Swanson C, Kuhr DL, Mumford SL, Galai N, Silver RM, Wactawski-Wende J, Perkins NJ, Schisterman EF. Prevalence and Contributors to Low-grade Inflammation in Three U.S. Populations of Reproductive Age Women. *Paediatric and Perinatal Epidemiology*. 2018; 32(1):55-67. PMID: [28913889](#). PMCID: [PMC5771880](#)
22. Gibbins KJ, Mumford SL, Sjaarda LA, Branch DW, Perkins NJ, Ye A, Schisterman EF, Silver RM. Preconception antiphospholipid antibodies and risk of subsequent early pregnancy loss. *Lupus*. 2018; 961203318776089. PMID: [29771194](#)
23. Kuhr DL, Sjaarda LA, Alkhalaf Z, Omosigho UR, Connell MT, Silver RM, Kim K, Perkins NJ, Holland TL, Plowden TC, Schisterman EF, Mumford SL. Vitamin D is associated with bioavailability of androgens in eumenorrhic women with prior pregnancy loss. *American Journal of Obstetrics and Gynecology*. 2018; 218(6):608.e1-608.e6. PMID: [29548752](#)
24. Nobles CJ, Mendola P, Mumford SL, Naimi AI, Yeung EH, Kim K, Park H, Wilcox B, Silver RM, Perkins NJ, Sjaarda L, Schisterman EF. Preconception Blood Pressure Levels and Reproductive Outcomes in a Prospective Cohort of Women Attempting

Pregnancy. *Hypertension*. 2018; 71(5):904-910. PMID: [29610265](#). PMCID: [PMC5897130](#)

25. Radin RG, Mumford SL, Sjaarda LA, Silver RM, Wactawski-Wende J, Lynch AM, Perkins NJ, Leshner LL, Wilcox BD, Hinkle SN, Plowden TC, Kim K, Schisterman EF. Recent attempted and actual weight change in relation to pregnancy loss: a prospective cohort study. *British Journal of Obstetrics and Gynaecology*. 2018; 125(6):676-684. PMID: [29067752](#). PMCID: [PMC5918461](#)
26. Radin RG, Sjaarda LA, Silver RM, Nobles CJ, Mumford SL, Perkins NJ, Wilcox BD, Pollack AZ, Schliep KC, Plowden TC, Schisterman EF. C-Reactive protein in relation to fecundability and anovulation among eumenorrheic women. *Fertility and Sterility*. 2018; 109(2):232-239.e1. PMID: [29317123](#). PMCID: [PMC5815923](#)
27. Russo LM, Whitcomb BW, Mumford SL, Hawkins M, Radin RG, Schliep KC, Silver RM, Perkins NJ, Kim K, Omosigho UR, Kuhr DL, Holland TL, Sjaarda LA, Schisterman EF. A prospective study of physical activity and fecundability in women with a history of pregnancy loss. *Human Reproduction*. 2018. PMID: [29648647](#)
28. Sjaarda LA, Mumford SL, Kuhr DL, Holland TL, Silver RM, Plowden TC, Perkins NJ, Schisterman EF. Association of testosterone and antimüllerian hormone with time to pregnancy and pregnancy loss in fecund women attempting pregnancy. *Fertility and Sterility*. 2018; 109(3):540-548.e1. PMID: [29428315](#). PMCID: [PMC5866225](#)
29. Gibbins KJ, Mumford SL, Sjaarda LA, Branch DW, Perkins NJ, Ye A, Schisterman EF, Silver RM. Preconception antiphospholipid antibodies and risk of subsequent early pregnancy loss. *Lupus*, 2018; 27(9):1437-45. PMID: [29771194](#). PMCID: [PMC6027606](#)
30. Kim K, Schisterman EF, Silver RM, Wilcox BD, Lynch AM, Perkins NJ, Browne RW, Leshner LL, Stanford JB, Ye A, Wactawski-Wende J, Mumford SL. Shorter Time to Pregnancy With Increasing Preconception Carotene Concentrations Among Women With 1-2 Previous Pregnancy Losses. *American Journal of Epidemiology*, 2018; 187(9):1907-15. PMID: [29767694](#). PMCID: [PMC6118073](#)
31. Kuhr DL, Sjaarda LA, Alkhalaf Z, Omosigho UR, Connell MT, Silver RM, Kim K, Perkins NJ, Holland TL, Plowden TC, Schisterman EF, Mumford SL. Vitamin D is associated with bioavailability of androgens in eumenorrheic women with prior pregnancy loss. *American Journal of Obstetrics and Gynecology*, 2018; 218(6):608 e1- e6. PMID: [29548752](#). PMCID: [PMC6191853](#)
32. Mumford SL, Browne RW, Kim K, Nichols C, Wilcox B, Silver RM, Connell MT, Holland TL, Kuhr DL, Omosigho UR, Perkins NJ, Radin R, Sjaarda LA, Schisterman EF. Preconception Plasma Phospholipid Fatty Acids and Fecundability. *The Journal of Clinical Endocrinology and Metabolism*, 2018; 103(12):4501-10. PMID: [30124893](#). PMCID: [PMC6220440](#)

33. Mumford SL, Garbose RA, Kim K, Kissell K, Kuhr DL, Omosigho UR, Perkins NJ, Galai N, Silver RM, Sjaarda LA, Plowden TC, Schisterman EF. Association of preconception serum 25-hydroxyvitamin D concentrations with livebirth and pregnancy loss: a prospective cohort study. *Lancet Diabetes and Endocrinology*, 2018; 6(9):725-32. PMID: [29859909](#). PMCID: [PMC6109429](#)
34. Nobles CJ, Mendola P, Mumford SL, Naimi AI, Yeung EH, Kim K, Park H, Wilcox B, Silver RM, Perkins NJ, Sjaarda L, Schisterman EF. Preconception Blood Pressure Levels and Reproductive Outcomes in a Prospective Cohort of Women Attempting Pregnancy. *Hypertension*, 2018; 71(5):904-10. PMID: [29610265](#). PMCID: [PMC5897130](#)
35. Radin RG, Mumford SL, Sjaarda LA, Silver RM, Wactawski-Wende J, Lynch AM, Perkins NJ, Leshner LL, Wilcox BD, Hinkle SN, Plowden TC, Kim K, Schisterman EF. Recent attempted and actual weight change in relation to pregnancy loss: a prospective cohort study. *BJOG*, 2018; 125(6):676-84. PMID: [29067752](#). PMCID: [PMC5918461](#)
36. Radin RG, Sjaarda LA, Silver RM, Nobles CJ, Mumford SL, Perkins NJ, Wilcox BD, Pollack AZ, Schliep KC, Plowden TC, Schisterman EF. C-Reactive protein in relation to fecundability and anovulation among eumenorrheic women. *Fertility and Sterility*, 2018; 109(2):232-9 e1. PMID: [29317123](#). PMCID: [PMC5815923](#)
37. Russo LM, Whitcomb BW, Mumford SL, Hawkins M, Radin RG, Schliep KC, Silver RM, Perkins NJ, Kim K, Omosigho UR, Kuhr DL, Holland TL, Sjaarda LA, Schisterman EF. A prospective study of physical activity and fecundability in women with a history of pregnancy loss. *Human Reproduction*, 2018; 33(7):1291-8. PMID: [29648647](#). PMCID: [PMC6012250](#)
38. Sjaarda LA, Mumford SL, Kuhr DL, Holland TL, Silver RM, Plowden TC, Perkins NJ, Schisterman EF. Association of testosterone and antimullerian hormone with time to pregnancy and pregnancy loss in fecund women attempting pregnancy. *Fertility and Sterility*, 2018; 109(3):540-8 e1. PMID: [29428315](#). PMCID: [PMC5866225](#)
39. Sjaarda LA, Radin RG, Swanson C, Kuhr DL, Mumford SL, Galai N, Silver RM, Wactawski-Wende J, Perkins NJ, Schisterman EF. Prevalence and Contributors to Low-grade Inflammation in Three U.S. Populations of Reproductive Age Women. *Paediatric and Perinatal Epidemiology*, 2018; 32(1):55-67. PMID: [28913889](#). PMCID: [PMC5771880](#)
40. Agrawala S, Sjaarda LA, Omosigho UR, Perkins NJ, Silver RM, Mumford SL, Connell MT, Naimi AI, Halvorson LM, Schisterman EF. Effect of preconception low dose aspirin on pregnancy and live birth according to socioeconomic status: A secondary analysis of a randomized clinical trial. *PLoS One*, 2019; 14(4):e0200533. PMID: [30998747](#). PMCID: [PMC6472730](#)

41. DeVilbiss EA, Mumford SL, Sjaarda LA, Connell MT, Kim K, Mills JL, Silver RM, Schisterman EF. Preconception folate status and reproductive outcomes among a prospective cohort of folate-replete women. *American Journal of Obstetrics and Gynecology*, 2019; 221(1):51 e1- e10. PMID: [30807767](#). PMCID: [PMC6592753](#)
42. Kim K, Browne RW, Nobles CJ, Radin RG, Holland TL, Omosigho UR, Connell MT, Plowden TC, Wilcox BD, Silver RM, Perkins NJ, Schisterman EF, Nichols CM, Kuhr DL, Sjaarda LA, Mumford SL. Associations Between Preconception Plasma Fatty Acids and Pregnancy Outcomes. *Epidemiology*, 2019; 30 Suppl 2:S37-S46. PMID: [31569151](#)
43. Levine LD, Holland TL, Kim K, Sjaarda LA, Mumford SL, Schisterman EF. The role of aspirin and inflammation on reproduction: the EAGeR trial (1). *Canadian Journal of Physiology and Pharmacology*, 2019; 97(3):187-92. PMID: [30562044](#)
44. Nobles CJ, Mendola P, Mumford SL, Kim K, Sjaarda L, Hill M, Silver RM, Naimi AI, Perkins NJ, Schisterman EF. Metabolic Syndrome and the Effectiveness of Low-dose Aspirin on Reproductive Outcomes. *Epidemiology*, 2019; 30(4):573-81. PMID: [30985534](#). PMCID: [PMC6548668](#)
45. Plowden TC, Zarek SM, DeVilbiss EA, Radoc JG, Kim K, Sjaarda LA, Schisterman EF, Silver RM, Kuhr DL, Omosigho UR, Yeung EH, Mumford SL. Preconception Leptin and Fecundability, Pregnancy, and Live Birth Among Women With a History of Pregnancy Loss. *Journal of the Endocrine Society*, 2019; 3(11):1958-68. PMID: [31620666](#). PMCID: [PMC6786004](#)
46. Robinson SL, Mumford SL, Guan W, Zeng X, Kim K, Radoc JG, Trinh MH, Flannagan K, Schisterman EF, Yeung E. Maternal fatty acid concentrations and newborn DNA methylation. *American Journal of Clinical Nutrition*, 2019. PMID: [31858113](#). PMCID: PMC7049533 (available on 2021-03-01)
47. Schliep KC, Mumford SL, Silver RM, Wilcox B, Radin RG, Perkins NJ, Galai N, Park J, Kim K, Sjaarda LA, Plowden T, Schisterman EF. Preconception Perceived Stress Is Associated with Reproductive Hormone Levels and Longer Time to Pregnancy. *Epidemiology*, 2019; 30 Suppl 2:S76-S84. PMID: [31569156](#). PMCID: [PMC7536839](#)
48. Yeung EH, Guan W, Mumford SL, Silver RM, Zhang C, Tsai MY, Schisterman EF. Measured maternal prepregnancy anthropometry and newborn DNA methylation. *Epigenomics*, 2019; 11(2):187-98. PMID: [30618290](#). PMCID: [PMC6371845](#)
49. Yeung EH, Park H, Nobles C, Mumford SL, Silver R, Schisterman EF. Cardiovascular disease family history and risk of pregnancy loss. *Annals of Epidemiology*, 2019; 34:40-4. PMID: [31076211](#). PMCID: [PMC6548640](#)

50. Bever AM, Mumford SL, Schisterman EF, Sjaarda L, Perkins NJ, Gerlanc N, Devilbiss EA, Silver RM, Kim K, Nobles CJ, Amyx MM, Levine LD, Grantz KL. Maternal preconception lipid profile and gestational lipid changes in relation to birthweight outcomes. *Scientific Reports*, 2020; 10(1):1374. PMID: [31992758](#). PMCID: [PMC6987205](#)
51. Bloom MS, Perkins NJ, Sjaarda LA, Mumford SL, Ye A, Kim K, Kuhr DL, Nobles CJ, Connell MT, Schisterman EF. Adiposity is associated with anovulation independent of serum free testosterone: A prospective cohort study. *Paediatric and Perinatal Epidemiology*, 2020. PMID: [33107110](#)
52. DeVilbiss EA, Mumford SL, Sjaarda LA, Connell MT, Plowden TC, Andriessen VC, Perkins NJ, Hill MJ, Silver RM, Schisterman EF. Prediction of pregnancy loss by early first trimester ultrasound characteristics. *American Journal of Obstetrics and Gynecology*, 2020; 223(2):242.e1-242.e22. PMID: [32109464](#)
53. DeVilbiss EA, Naimi AI, Mumford SL, Perkins NJ, Sjaarda LA, Zolton JR, Silver RM, Schisterman EF. Vaginal bleeding and nausea in early pregnancy as predictors of clinical pregnancy loss. *American Journal of Obstetrics and Gynecology*, 2020; 223(4):570.e1-570.e14. PMID: [32283071](#)
54. Eubanks AA, Nobles CJ, Hill MJ, Decherney AH, Kim K, Sjaarda LA, Perkins NJ, Ye A, Zolton JR, Silver RM, Schisterman EF, Mumford SL. Recalled maternal lifestyle behaviors associated with anti-mullerian hormone of adult female offspring. *Reproductive Toxicology*, 2020; 98:75-81. PMID: [32916273](#). PMCID: PMC7736224 (available on 2021-12-01)
55. Eubanks AA, Nobles CJ, Mumford SL, Kim K, Hill MJ, Decherney AH, Sjaarda LA, Ye A, Radoc JG, Perkins NJ, Silver RM, Schisterman EF. The safety of low-dose aspirin on the mode of delivery: secondary analysis of the Effect of Aspirin in Gestation and Reproduction randomized controlled trial. *American Journal of Perinatology*, 2020. PMID: [33075844](#)
56. Evans MB, Nobles CJ, Kim K, Hill MJ, Decherney AH, Silver RM, Mumford SL, Sjaarda LA, Perkins NJ, Schisterman EF. Low-dose aspirin in reproductive health: effects on menstrual cycle characteristics. *Fertility and Sterility*, 2020; 114(6):1263-1270. PMID: [32896390](#). PMCID: PMC7722096 (available on 2021-12-01)
57. Flannagan KS, Sjaarda LA, Mumford SL, Schisterman EF. Prescription opioid use among populations of reproductive age: effects on fertility, pregnancy loss, and pregnancy complications. *Epidemiologic Reviews*, 2020. PMID: [33001215](#)
58. Nobles CJ, Mendola P, Mumford SL, Silver RM, Kim K, Andriessen VC, Connell M, Sjaarda L, Perkins NJ, Schisterman EF. Preconception blood pressure and its change into early pregnancy: early risk factors for preeclampsia and gestational hypertension. *Hypertension*, 2020; 76(3):922-929. PMID: [32755413](#). PMCID: PMC7456510 (available on 2021-09-01)

59. Plowden TC, Connell MT, Hill MJ, Mendola P, Kim K, Nobles CJ, Kuhr DL, Galai N, Gibbins KJ, Silver RM, Wilcox B, Sjaarda L, Perkins NJ, Schisterman EF, Mumford SL. Family history of autoimmune disease in relation to time-to-pregnancy, pregnancy loss, and live birth rate. *Journal of Translational Autoimmunity*, 2020; 3:100059. PMID: [32743539](#). PMCID: [PMC7388372](#)
60. Plowden TC, Zarek SM, Rafique S, Sjaarda LA, Schisterman EF, Silver RM, Yeung EH, Radin R, Hinkle SN, Galai N, Mumford SL. Preconception leptin levels and pregnancy outcomes: A prospective cohort study. *Obesity Science and Practice*, 2020; 6(2):181-188. PMID: [32313676](#). PMCID: [PMC7156817](#)
61. Robinson SL, Mumford SL, Guan W, Zeng X, Kim K, Radoc JG, Trinh MH, Flannagan K, Schisterman EF, Yeung E. Maternal fatty acid concentrations and newborn DNA methylation. *American Journal of Clinical Nutrition*, 2020; 111(3):613-621. PMID: [31858113](#). PMCID: PMC7049533 (available on 2021-03-01)
62. Russo LM, Whitcomb BW, Freeman JR, Mumford SL, Sjaarda LA, Perkins NJ, Schliep KC, Grewal J, Silver RM, Schisterman EF. Physical activity and incidence of subclinical and clinical pregnancy loss: a secondary analysis in the effects of aspirin in gestation and reproduction randomized trial. *Fertility and Sterility*, 2020; 113(3):601-8 e1. PMID: [32192592](#)
63. Sjaarda LA, Radoc JG, Flannagan KS, Mumford SL, Kim K, Perkins NJ, Silver RM, Schisterman EF. Urinary selective serotonin reuptake inhibitors across critical windows of pregnancy establishment: a prospective cohort study of fecundability and pregnancy loss. *Fertility and Sterility*, 2020; 114(6):1278-1287. PMID: [33066974](#)
64. Theilen LH, Campbell HD, Mumford SL, Purdue-Smithe AC, Sjaarda LA, Perkins NJ, Radoc JG, Silver RM, Schisterman EF. Platelet activation and placenta-mediated adverse pregnancy outcomes: an ancillary study to the Effects of Aspirin in Gestation and Reproduction trial. *American Journal of Obstetrics and Gynecology*, 2020; 223(5):741 e1- e12. PMID: [32434001](#). PMCID: PMC7609468 (available on 2021-11-01)
65. Yeung EH, Guan W, Zeng X, Salas LA, Mumford SL, De Prado Bert P, Van Meel ER, Malmberg A, Sunyer J, Duijts L, Felix JF, Czamara D, Hamalainen E, Binder EB, Raikkonen K, Lahti J, London SJ, Silver RM, Schisterman EF. Cord blood DNA methylation reflects cord blood C-reactive protein levels but not maternal levels: a longitudinal study and meta-analysis. *Clinical Epigenetics*, 2020; 12(1):60. PMID: [32354366](#). PMCID: [PMC7193358](#)