



# EAGeR

## The EAGeR Trial

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

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## EAGeR Publications

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](#). PMCID: [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](#). PMCID: [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](#). PMCID: [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](#). PMCID: [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](#). PMCID: [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](#). PMCID: [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](#). PMCID: [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](#)

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