

MetaXL background and methods articles, most important first

1. Doi SA, Barendregt JJ, Khan S, Thalib L, Williams GM. Advances in the meta-analysis of heterogeneous clinical trials I: The inverse variance heterogeneity model. *Contemp Clin Trials*. 2015 Nov;45(Pt A):130-8.
2. Doi SA, Barendregt JJ, Khan S, Thalib L, Williams GM. Advances in the meta-analysis of heterogeneous clinical trials II: The quality effects model. *Contemp Clin Trials*. 2015 Nov;45(Pt A):123-9.
3. Barendregt JJ, Doi SA, Lee YY, Norman RE, Vos T. Meta-analysis of prevalence. *Journal of epidemiology and community health*. 2013;67(11):974-8.
4. Doi SA, Barendregt JJ, Khan S, Thalib L, Williams GM. Simulation Comparison of the Quality Effects and Random Effects Methods of Meta-analysis. *Epidemiology*. 2015 Jul;26(4):e42-4.
5. Doi SA, Barendregt JJ, Mozurkewich EL. Meta-analysis Of Heterogeneous Clinical Trials: An Empirical Example. *Contemporary Clinical Trials*. 2011;32(2):288-98.
6. Doi SA, Thalib L. An alternative quality adjustor for the quality effects model for meta-analysis. *Epidemiology*. 2009;20(2):314.
7. Doi SA, Thalib L. A quality-effects model for meta-analysis. *Epidemiology*. 2008;19(1):94-100.
8. Doi SA, Furuya-Kanamori L, Onitilo AA, Barendregt JJ. *Meta-analysis II. Methods of Clinical Epidemiology: 2nd Ed; Springer; 2017.*
9. Doi SA, Barendregt JJ. *Meta-analysis I. Methods of Clinical Epidemiology: 2nd Ed; Springer; 2017.*
10. Doi SA, Barendregt JJ, Rao C. An updated method for risk adjustment in outcomes research. *Value Health*. 2014 Jul;17(5):629-33.
11. Foxlee N, Stone JC, Doi SA. A comparison of univariate and bivariate models in meta-analysis of diagnostic accuracy studies. *Int J Evid Based Healthc*. 2015 Mar;13(1):28-34.
12. Doi SA. Meta-analysis and the problem of inconsistent effects. *Int J Evid Based Healthc*. 2015 Sep;13(3):115-6
13. Doi SA, Barendregt JJ, Onitilo AA. Methods for Bias Adjustment for Meta-analyses of Published Observational Studies. *Journal of Evaluation in Clinical Practice*. 2013;19:653-7.

Selected recent articles that apply MetaXL in research

1. Clarke NE, Clements ACA, Doi SA, Wang D, Campbell SJ, Gray D, Nery SV. Differential effect of mass deworming and targeted deworming for soil-transmitted helminth control in children: a systematic review and meta-analysis. **Lancet**, Dec 12, 2016 [Epub ahead of print]
2. Furuya-Kanamori L, Bell KJ, Clark J, Glasziou P, Doi SA. Prevalence of Differentiated Thyroid Cancer in Autopsy Studies Over Six Decades: A Meta-Analysis. **J Clin Oncol**. 2016 Sep 6. pii: JCO677419. [Epub ahead of print] PubMed PMID: 27601555.

3. Richards C, Jones C, Groves L, Moss J, Oliver C. Prevalence of autism spectrum disorder phenomenology in genetic disorders: a systematic review and meta-analysis. **Lancet Psychiatry**. 2015 Oct;2(10):909-16. doi: 10.1016/S2215-0366(15)00376-4. PubMed PMID: 26341300.
4. Dzhambov AM, Dimitrova DD. Children's blood pressure and its association with road traffic noise exposure - A systematic review with meta-analysis. **Environ Res**. 2017 Jan;152:244-255. doi: 10.1016/j.envres.2016.10.024. PubMed PMID: 27810682.
5. Toner AJ, Ganeshanathan V, Chan MT, Ho KM, Corcoran TB. Safety of Perioperative Glucocorticoids in Elective Noncardiac Surgery: A Systematic Review and Meta-analysis. **Anesthesiology**. 2016 Dec 6. [Epub ahead of print] PubMed PMID: 27922839.
6. Kelley GA and Kelley KS. Community-deliverable exercise and depression in adults with arthritis: Confirmatory evidence of a meta-analysis using the IVhet model. **J Evid Based Med**. Accepted manuscript online: 29 AUG 2016 | DOI: 10.1111/jebm.12229
7. Kelley GA, Kelley KS. Aerobic exercise and cancer-related fatigue in adults: A re-examination using the IVhet model for meta-analysis. **Cancer Epidemiol Biomarkers Prev**. 2016 Dec 1. pii: cebp.0885.2016. [Epub ahead of print] PubMed PMID: 27908923.
8. Osland E, Yunus RM, Khan S, Memon B, Memon MA. Late Postoperative Complications in Laparoscopic Sleeve Gastrectomy (LVSG) Versus Laparoscopic Roux-en-y Gastric Bypass (LRYGB): Meta-analysis and Systematic Review. **Surg Laparosc Endosc Percutan Tech**. 2016 Jun;26(3):193-201. doi: 10.1097/SLE.0000000000000279. PubMed PMID: 27258909.
9. Fatima Y, Doi SA, Mamun AA. Sleep quality and obesity in young subjects: a meta-analysis. **Obes Rev**. 2016 Nov;17(11):1154-1166. doi: 10.1111/obr.12444. Review. PubMed PMID: 27417913.
10. Saunders DT, Roe CA, Smith G, Clegg H. Lucid dreaming incidence: A quality effects meta-analysis of 50years of research. **Conscious Cogn**. 2016 Jul;43:197-215. doi: 10.1016/j.concog.2016.06.002. Review. PubMed PMID: 27337287.
11. Escobar-Morreale HF, Roldán-Martín MB. Type 1 Diabetes and Polycystic Ovary Syndrome: Systematic Review and Meta-analysis. **Diabetes Care**. 2016 Apr;39(4):639-48. doi: 10.2337/dc15-2577. Review. PubMed PMID: 27208367
12. Perera M, Roberts MJ, Doi SA, Bolton D. Prostatic urethral lift improves urinary symptoms and flow while preserving sexual function for men with benign prostatic hyperplasia: a systematic review and meta-analysis. **Eur Urol**. 2015;67(4):704-13.
13. McKenzie SJ, McLaughlin D, Clark J, Doi SA. The Burden of Non-Adherence to Cardiovascular Medications Among the Aging Population in Australia: A Meta-Analysis. **Drugs & aging**. 2015;32(3):217-25.
14. Moore SE, Scott JG, Ferrari AJ, Mills R, Dunne MP, Erskine HE, Devries KM, Degenhardt L, Vos T, Whiteford HA, McCarthy M, Norman RE. Burden attributable to child maltreatment in Australia. **Child Abuse Negl**. 2015 Oct;48:208-20. doi: 10.1016/j.chiabu.2015.05.006. PubMed PMID: 26056058.
15. Hoque ME, Long KZ, Niessen LW, Al Mamun A. Rapid shift toward overweight from double burden of underweight and overweight among Bangladeshi women: systematic review and pooled analysis. **Nutrition Reviews**. 2015:nuv003.
16. Furuya-Kanamori L, Stone JC, Clark J, McKenzie SJ, Yakob L, Paterson DL, et al. Comorbidities, Exposure to Medications, and the Risk of Community-Acquired Clostridium

- difficile Infection: a systematic review and meta-analysis. **Infection control and hospital epidemiology**. 2015;36(2):132-41.
17. Fatima Y, Doi SA, Mamun AA. Longitudinal impact of sleep on overweight and obesity in children and adolescents: a systematic review and bias-adjusted meta-analysis. **Obesity reviews** : an official journal of the International Association for the Study of Obesity. 2015;16(2):137-49.
 18. Dzhambov A. Long-term noise exposure and the risk for type 2 diabetes: A meta-analysis. **Noise and Health**. 2015;17(74):23.
 19. Blore J, Sim M, Forbes A, Creamer M, Kelsall H. Depression in Gulf War veterans: a systematic review and meta-analysis. *Psychological medicine*. 2015;45(08):1565-80.
 20. Stone JC, Clark J, Cuneo R, Russell AW, Doi SA. Estrogen and selective estrogen receptor modulators (SERMs) for the treatment of acromegaly: a meta-analysis of published observational studies. **Pituitary**. 2014;17(3):284-95.
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 24. Dzhambov AM, Dimitrova DD, Dimitrakova ED. Association between residential greenness and birth weight: Systematic review and meta-analysis. **Urban Forestry & Urban Greening**. 2014;13(4):621-9.
 25. Dzhambov AM, Dimitrova DD, Dimitrakova ED. Noise Exposure During Pregnancy, Birth Outcomes And Fetal Development: Meta-Analyses Using Quality Effects Model. **Folia medica**. 2014;56(3):204-14.
 26. van Middendorp JJ, Hosman AJ, Doi SA. The effects of the timing of spinal surgery after traumatic spinal cord injury: a systematic review and meta-analysis. **Journal of neurotrauma**. 2013;30(21):1781-94.
 27. Mannan M, Doi SA, Mamun AA. Association between weight gain during pregnancy and postpartum weight retention and obesity: a bias-adjusted meta-analysis. **Nutrition reviews**. 2013;71(6):343-52.
 28. Kinner SA, Forsyth S, Williams G. Systematic review of record linkage studies of mortality in ex-prisoners: why (good) methods matter. **Addiction**. 2013;108(1):38-49.
 29. Khalesi M, Whiteman DC, Doi SA, Clark J, Kimlin MG, Neale RE. Cutaneous markers of photo-damage and risk of Basal cell carcinoma of the skin: a meta-analysis. **Cancer Epidemiology Biomarkers & Prevention**. 2013;22(9):1483-9.
 30. Norman RE, Byambaa M, De R, Butchart A, Scott J, Vos T. The Long-Term Health Consequences of Child Physical Abuse, Emotional Abuse, and Neglect: A Systematic Review and Meta-Analysis. **PLoS Med**. 2012;9(11):e1001349.

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