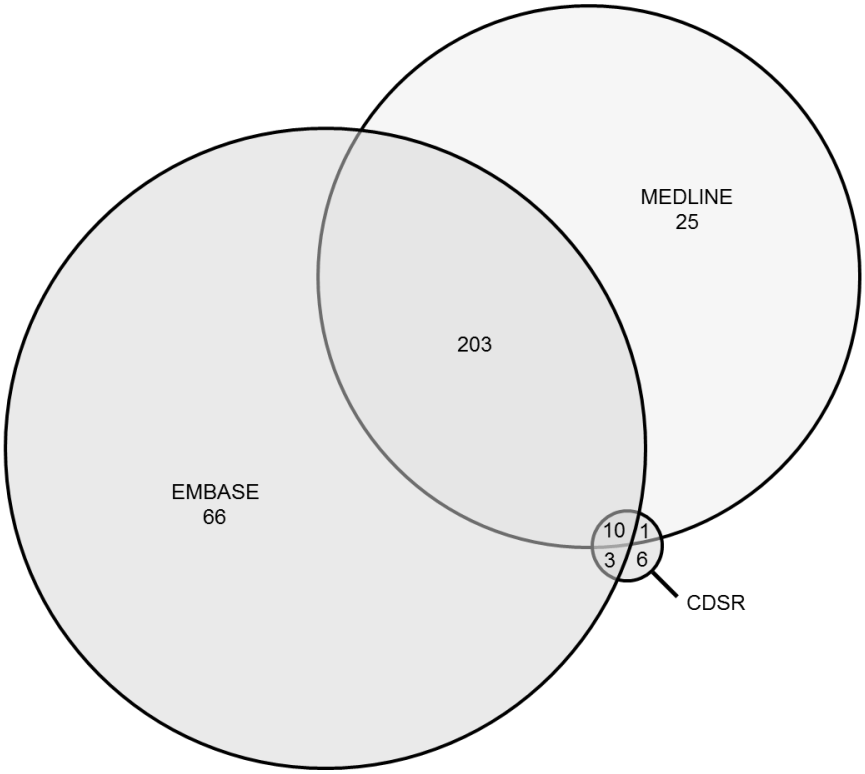
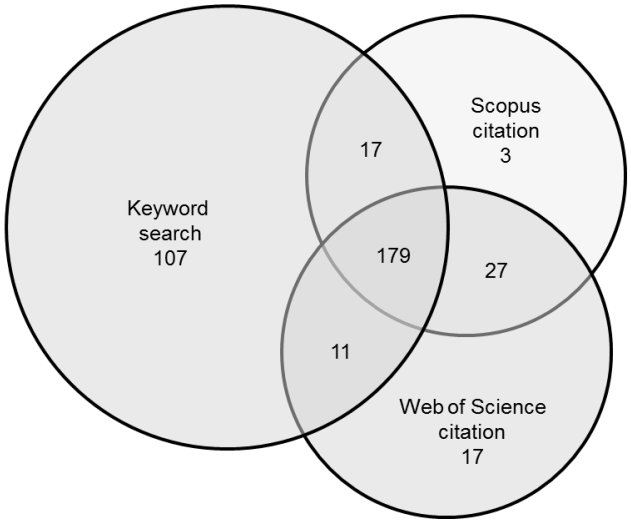
Appendix A: Systematic Literature Search

Appendix Table A: Systematic Literature Keyword and Citation Search Strategy				
KEYWORD SEARCH				
Databases		Cochrane Database of Systematic Reviews®	OVID® (without revisions)	
			MEDLINE®	EMBASE®
Limits		- Date of inception to 31 December 2013	- Date of inception (1946) to 31 December 2013 - English language - Humans - Publication types: meta-analysis, systematic reviews	- Date of inception (1974) to 31 December 2013 - English language - Humans - Publication types: meta-analysis, systematic reviews
Keyword Search		#1 OR #2 OR #3 OR #4		
Indirect Comparisons	**#1**	"network meta-analysis" OR "network meta-regression" OR "multiple treatment meta-analysis" OR "multiple treatments meta-analysis" OR "mixed treatment comparison" OR "mixed treatment comparisons"		
	#2	"mixed treatment" OR "mixed treatments" OR "multiple treatment" OR "multiple treatments" OR "treatment network" OR "treatment networks" OR "multiple comparison" OR "multiple comparisons"		
	#3	"indirect comparison" OR "indirect comparisons"		
Overview of Reviews	**#4**	"overview of reviews" OR "umbrella review" OR "overview of systematic reviews" OR "overview of meta-analyses" OR "multiple systematic reviews" OR "multiple meta-analyses" OR "overview of Cochrane reviews" OR "multiple Cochrane reviews" OR "overview of Cochrane"		
CITATION SEARCH				
Databases		SCOPUS®	Web of Science®	
Limits		- Date of inception to 31 December 2013 - English language		
Citation Search		Articles citing the following 11 articles below		
	#1	Bucher HC, Guyatt GH, Griffith LE, Walter SD. J Clin Epidemiol 1997;50(6):683-91.		
	#2	Lumley T. Stat Med 2002;21(16):2313-24.		
	#3	Donegan S, Williamson P, Gamble C, Tudur-Smith C. PLoS One 2010;5(11):e11054.		
	#4	Song F, Loke YK, Walsh T, Glenny AM, Eastwood AJ, Altman DG. BMJ 2009;338:b1147.		
	#5	Wells GA, Sultan SA, Chen L, Khan M, Coyle D. Indirect Evidence: Indirect Treatment Comparisons in Meta-analysis. Ottawa: Canadian Agency for Drugs and Technologies in Health, 2009.		
	#6	Glenny AM, Altman DG, Song F, Sakarovitch C, Deeks JJ, D'Amico R, et al. Health Technol Assess 2005;9(26):1-134, iii-iv.		
	#7	Hoaglin DC, Hawkins N, Jansen JP, Scott DA, Itzler R, Cappelleri JC, et al. Value Health 2011;14(4):429-37.		
	#8	Edwards SJ, Clarke MJ, Wordsworth S, Borrill J. Int J Clin Pract 2009;63:841-54.		
	#9	Lu G, Ades AE, Sutton AJ, Cooper NJ, Briggs AH, Caldwell DM. Stat Med 2007;26(20):3681-99.		
	#10	Salanti G, Higgins JP, Ades AE, Ioannidis JPStat Methods Med Res 2008;17(3):279-301.		
	#11	Salanti G, Ades AE, Ioannidis JP. J Clin Epidemiol 64(2):163-71.		



A



B

Appendix A Figure A and B: Proportional Venn diagrams of systematic search yields for indirect comparison meta-analytic empirical applications depicting unique and overlap applications identified by each search strategy, N=361. Circle size is proportional to the number of papers identified from each search strategy.

- **A.** Empirical applications identified by each keyword search, n=314 (EMBASE keyword, n=282; MEDLINE keyword, n=239; and Cochrane Database of Systematic Reviews (CDSR) keyword, n=20).
- **B.** Empirical applications identified by each keyword and citation search, n=361 (keyword (EMBASE, MEDLINE, CDSR), n=314; Web of Science citation, n=234; Scopus citation, n=226).

Appendix B: List of references of identified methodological contributions of indirect comparison meta-analytic methods

[B1] Achana FA, Cooper NJ, Dias S, Lu G, Rice SJ, Kendrick D, et al. Extending methods for investigating the relationship between treatment effect and baseline risk from pairwise meta-analysis to network meta-analysis. *Stat Med* 2013; 32(5):752-71.

[B2] Ades AE, Mavranezouli I, Dias S, Welton NJ, Whittington C, Kendall T. Network meta-analysis with competing risk outcomes. *Value Health* 2010;13(8):976-83.

[B3] Ballesteros, J. Orphan comparisons and indirect meta-analysis: a case study on antidepressant efficacy in dysthymia comparing tricyclic antidepressants, selective serotonin reuptake inhibitors, and monoamine oxidase inhibitors by using general linear models. *J Clin Psychpharmacol* 2005;25(2):127-31.

[B4] Bucher HC, Guyatt GH, Griffith LE, Walter SD. The results of direct and indirect treatment comparisons in meta-analysis of randomized controlled trials. *J Clin Epidemiol* 1997;50(6):683-91.

[B5] Caldwell DM, Welton NJ, Ades AE. Mixed treatment comparison analysis provides internally coherent treatment effect estimates based on overviews of reviews and can reveal inconsistency. *J Clin Epidemiol* 2010;63(8):875-82.

[B6] Chaimani A, Vasiliadis HS, Pandis N, Schmid CH, Welton NJ, Salanti G. Effects of study precision and risk of bias in networks of interventions: a network meta-epidemiological study. *Int J Epidemiol* 2013;42(4):1120-131.

[B7] Chaimani A, Higgins JP, Mavridis D, Spyridonos P, Salanti G. Graphical tools for network meta-analysis in STATA. *PLoS One* 2013;8(10):e76654.

[B8] Chootrakool H, Shi JQ, Yue R. Meta-analysis and sensitivity analysis for multi-arm trials with selection bias. *Stat Med* 2011;30(11):1183-98.

[B9] Chung H, Lumley T. Graphical exploration of network meta-analysis data: the use of multidimensional scaling. *Clin Trials* 2008;5(4):301-7.

[B10] Cooper NJ, Sutton AJ, Morris D, Ades AE, Welton NJ. Addressing between-study heterogeneity and inconsistency in mixed treatment comparisons: application to stroke prevention treatments in individuals with non-rheumatic atrial fibrillation. *Stat Med* 2009;28(14):1861-81.

[B11] Cooper NJ, Peters J, Lai MC, Juni P, Wandel S, Palmer S, et al. How valuable are multiple treatment comparison methods in evidence-based health-care evaluation? *Value Health* 2011;14(2):371-80.

[B12] Cope S, Jansen JP. Quantitative summaries of treatment effect estimates obtained with network meta-analysis of survival curves to inform decision-making. *BMC Med Res Methodol* 2013;13:147.

[B13] Del Giovane C, Vacchi L, Mavridis D, Filippini G, Salanti G. Network meta-analysis models to account for variability in treatment definitions: application to dose effects. *Stat Med* 2013;32(1):25-39.

[B14] Dias S, Welton NJ, Caldwell DM, Ades AE. Checking consistency in mixed treatment comparison meta-analysis. *Stat Med* 2010;29:932-44.

[B15] Dias S, Welton NJ, Marinho VCC, Salanti G, Higgins JPT, Ades AE. Estimation and adjustment of bias in randomized evidence by using mixed treatment comparison meta-analysis. *J R Statist Soc A* 2010;173(3):613-29.

[B16] Ding Y, Fu H. Bayesian indirect and mixed treatment comparisons across longitudinal time points. *Stat Med* 2013;32(15):2613-28.

[B17] Donegan S, Williamson P, D'Alessandro U, Tudur Smith C. Assessing the consistency assumption by exploring treatment by covariate interactions in mixed treatment comparison meta-analysis: individual patient-level covariates versus aggregate trial-level covariates. *Stat Med* 2012;31(29):3840-57.

[B18] Donegan S, Williamson P, D'Alessandro U, Garner P, Smith CT. Combining individual patient data and aggregate data in mixed treatment comparison meta-analysis: individual patient data may be beneficial if only for a subset of trials. *Stat Med* 2013;32(6):914-30.

[B19] Druyts E, Thorlund K, Humphreys S, Lion M, Cooper CL, Mills EJ. Interpreting discordant indirect and multiple treatment comparison meta-analyses: an evaluation of direct acting antivirals for chronic hepatitis C infection. *Clin Epidemiol* 2013;5(1):173-183.

[B20] Eckermann S, Coory M, Willan AR. Indirect comparison: relative risk fallacies and odds solution. *J Clin Epidemiol* 2009;62:1031-6.

[B21] Fu H, Price KL, Nilsson ME, Ruberg SJ. Identifying potential adverse events dose-response relationships via Bayesian indirect and mixed treatment comparison models. *J Biopharm Stat* 2013;23(1):26-42.

[B22] Griffin S, Bojke L, Main C, Palmer S. Incorporating direct and indirect evidence using bayesian methods: an applied case study in ovarian cancer. *Value Health* 2006;9(2):123-31.

[B23] Gross JL, Rogers J, Polhamus D, Gillespie W, Friedrich C, Gong Y, et al. A novel model-based meta-analysis to indirectly estimate the comparative efficacy of two medications: an example using DPP-4 inhibitors, sitagliptin and linagliptin, in treatment of type 2 diabetes mellitus. *BMJ Open* 2013;3(3):e001844.

[B24] Gwaza L, Gordon J, Welink J, Potthast H, Hansson H, Stahl M, et al. Statistical approaches to indirectly compare bioequivalence between generics: a comparison of methodologies employing artemether/lumefantrine 20/120 mg tablets as prequalified by WHO. *Eur J Clin Pharmacol* 2012;68(12):1611-8.

[B25] Hawkins N, Scott DA, Woods B. How far do you go? Efficient searching for indirect evidence. *Med Decis Making* 2009;29(3):273-81.

[B26] Hawkins N, Scott DA, Woods BS, Thatcher N. No study left behind: a network meta-analysis in non-small-cell lung cancer demonstrating the importance of considering all relevant data. *Value Health* 2009;12(6):996-1003.

[B27] Hong H, Carlin BP, Shamliyan TA, Wyman JF, Ramakrishnan R, Sainfort F, et al. Comparing Bayesian and frequentist approaches for multiple outcome mixed treatment comparisons. *Med Decis Making* 2013;33(5):702-14.

[B28] Jansen JP, Cope S. Meta-regression models to address heterogeneity and inconsistency in network meta-analysis of survival outcomes. *BMC Med Res Method* 2012;12:152.

[B29] Jansen JP, Schmid CH, Salanti G. Directed acyclic graphs can help understand bias in indirect and mixed treatment comparisons. *J Clin Epidemiol* 2012;65(7):798-807.

[B30] Jansen JP. Network meta-analysis of survival data with fractional polynomials. *BMC Med Res Methodol* 2011;11:61.

[B31] König J, Krahn U, Binder H. Visualizing the flow of evidence in network meta-analysis and characterizing mixed treatment comparisons. *Stat Med* 2013;32(30): 5414-29.

[B32] Krahn U, Binder H, König J. A graphical tool for locating inconsistency in network meta-analyses. *BMC Med Res Methodol* 2013;13(1):35.

[B33] Lee C, Hunsche E, Balshaw R, Kong SX, Scnitzer TJ. Need for common internal controls when assessing the relative efficacy of pharmacologic agents using a meta-analytic approach: Case study of cyclooxygenase 2-selective inhibitors for the treatment of osteoarthritis. *Arthritis Rheum* 2005;53(4):510-8.

[B34] Lu G, Ades A. Modeling between-trial variance structure in mixed treatment comparisons. *Biostatistics* 2009;10(4):792-805.

[B35] Lu G, Ades AE. Assessing evidence inconsistency in mixed treatment comparisons. *JASA* 2006;101(474):447-459.

[B36] Lu G, Ades AE. Combination of direct and indirect evidence in mixed treatment comparisons. *Stat Med* 2004;23(20):3105-24.

[B37] Lu G, Ades AE, Sutton AJ, Cooper NJ, Briggs AH, Caldwell DM. Meta-analysis of mixed treatment comparisons at multiple follow-up times. *Stat Med* 2007;26(20):3681-99.

[B38] Lumley T. Network meta-analysis for indirect treatment comparisons. *Stat Med* 2002;21(16):2313-24.

[B39] Lunn D, Barrett J, Sweeting M, Thompson S. Fully Bayesian hierarchical modelling in two stages, with application to meta-analysis. *J R Stat Soc C Appl Stat* 2013;62(4):551-72.

[B40] Madan J, Stevenson MD, Cooper KL, Ades AE, Whyte S, Akehurst R. Consistency between direct and indirect trial evidence: is direct evidence always more reliable? *Value Health* 2011;14(6):953-60.

[B41] Mavridis D, Sutton A, Cipriani A, Salanti G. A fully Bayesian application of the Copas selection model for publication bias extended to network meta-analysis. *Stat Med* 2013;32(1):51-66.

[B42] Mills EJ, Ghement I, O'Regan C, Thorlund K. Estimating the power of indirect comparisons: a simulation study. *PLoS One* 2011;6(1):e16237.

[B43] Mills EJ, Kanters S, Thorlund K, Chaimani A, Veroniki AA, Ioannidis JP. The effects of excluding treatments from network meta-analyses: survey. *BMJ* 2013;347:f5195.

[B44] Mills, E.J., K. Thorlund, and J.P.A. Ioannidis, Calculating additive treatment effects from multiple randomized trials provides useful estimates of combination therapies. *J Clin Epidemiol* 2012;65(12):1282-8.

[B45] Norton EC, Miller MM, Wang JJ, Coyne K, Kleinman LC. Rank reversal in indirect comparisons. *Value Health* 2012;15(8):1137-40.

[B46] O'Regan C, Ghement I, Eyawo O, Guyatt GH, Mills EJ. Incorporating multiple interventions in meta-analysis: an evaluation of the mixed treatment comparison with the adjusted indirect comparison. *Trials* 2009;10:86.

[B47] Piepho HP, Williams ER, Madden LV. The use of two-way linear mixed models in multitreatment meta-analysis. *Biometrics* 2012;68(4):1269-77.

[B48] Price MJ, Welton NJ, Ades AE. Parameterization of treatment effects for meta-analysis in multi-state Markov models. *Stat Med* 2011;30(2):140-51.

[B49] Salanti G, Dias S, Welton NJ, Ades AE, Golfinopoulos V, Kyrgiou M, et al. Evaluating novel agent effects in multiple-treatments meta-regression. *Stat Med* 2010;29(23):2369-83.

[B50] Salanti G, Higgins JP, Ades AE, Ioannidis JP. Evaluation of networks of randomized trials. *Stat Methods Med Res* 2008;17(3):279-301.

[B51] Salanti G, Kavvoura FK, Ioannidis JP. Exploring the geometry of treatment networks. *Ann Intern Med* 2008;148(7):544-53.

[B52] Salanti G, Marinho V, Higgins JP. A case study of multiple-treatments meta-analysis demonstrates that covariates should be considered. *J Clin Epidemiol* 2009;62(8):857-64.

[B53] Saramago P, Sutton AJ, Cooper NJ, Manca A. Mixed treatment comparisons using aggregate and individual participant level data. *Stat Med* 2012;31(28):3516-36.

[B54] Schmidli H, Wandel S, Neuenschwander B. The network meta-analytic-predictive approach to non-inferiority trials. *Stat Methods Med Res* 2013;22(2):219-40.

[B55] Schmitz S, Adams R, Walsh C. The use of continuous data versus binary data in MTC models: a case study in rheumatoid arthritis. *BMC Med Res Methodol* 2012;12:167.

[B56] Signorovitch JE, Sikirica V, Erder MH, Xie J, Lu M, Hodgkins PS, et al. Matching-adjusted indirect comparisons: a new tool for timely comparative effectiveness research. *Value Health* 2012;15(6):940-7.

[B57] Song F, Glenny AM, Altman DG, Indirect comparison in evaluating relative efficacy illustrated by antimicrobial prophylaxis in colorectal surgery. *Control Clin Trials* 2000;21(5):488-97.

[B58] Song F, Xiong T, Parekh-Bhurke S, Loke YK, Sutton AJ, Eastwood AJ, et al. Inconsistency between direct and indirect comparisons of competing interventions: meta-epidemiological study. *BMJ* 2011;343:d4909.

[B59] Song F, Clark A, Bachmann MO, Maas J. Simulation evaluation of statistical properties of methods for indirect and mixed treatment comparisons. *BMC Med Res Methodol* 2012;12:138.

[B60] Song F, Harvey I, Lilford R. Adjusted indirect comparison may be less biased than direct comparison for evaluating new pharmaceutical interventions. *J Clin Epidemiol* 2008;61(5):455-63.

[B61] Spineli LM, Higgins JP, Cipriani A, Leucht S, Salanti G. Evaluating the impact of imputations for missing participant outcome data in a network meta-analysis. *Clin Trials* 2013;10(3):378-88.

[B62] Thorlund K, Mills E. Stability of additive treatment effects in multiple treatment comparison meta-analysis: a simulation study. *Clin Epidemiol* 2012;4(1):75-85.

[B63] Thorlund K, Mills EJ. Sample size and power considerations in network meta-analysis. *Syst Rev* 2012;1(1):41.

[B64] Thorlund K, Thabane L, Mills EJ. Modelling heterogeneity variances in multiple treatment comparison meta-analysis - are informative priors the better solution? *BMC Med Res Methodol* 2013;13:2.

[B65] Trinquart L, Abbé A, Ravaud P. Impact of reporting bias in network meta-analysis of antidepressant placebo-controlled trials. *PLoS One* 2012;7(4):e35219.

[B66] Trinquart L, Chatellier G, Ravaud P. Adjustment for reporting bias in network meta-analysis of antidepressant trials. *BMC Med Res Methodol* 2012;12:150.

[B67] van Valkenhoef G, Tervonen T, de Brock B, Hillege H. Algorithmic parameterization of mixed treatment comparisons. *Stat Comput* 2012;22(5):1099-111.

[B68] van Valkenhoef G, Tervonen T, Zhao J, de Brock B, Hillege HL, Postmus D. Multicriteria benefit-risk assessment using network meta-analysis. *J Clin Epidemiol* 2012;65(4):394-403.

[B69] Vandermeer BW, Buscemi N, Liang Y, Witmans M. Comparison of meta-analytic results of indirect, direct, and combined comparisons of drugs for chronic insomnia in adults: a case study. *Med Care* 2007;45(10):S166-72.

[B70] Veroniki AA, Vasiliadis HS, Higgins JP, Salanti G. Evaluation of inconsistency in networks of interventions. *Int J Epidemiol* 2013;42(1):332-45.

[B71] Wei YH, Higgins JP. Bayesian multivariate meta-analysis with multiple outcomes. *Stat Med* 2013;32(17):2911-34.

[B72] Wells GA, Sultan SA, Chen L, Khan M, Coyle D. Indirect Evidence: Indirect Treatment Comparisons in Meta-analysis. Ottawa: Canadian Agency for Drugs and Technologies in Health, 2009.

[B73] White IR. Multivariate random-effects meta-regression: updates to mvmeta. *Stata J* 2011;11(2):255-70.

[B74] Xiong T, Parekh-Bhurke S, Loke YK, Abdelhamid A, Sutton AJ, Eastwood AJ, et al. Overall similarity and consistency assessment scores are not sufficiently accurate for predicting discrepancy between direct and indirect comparison estimates. *J Clin Epidemiol* 2013;66(2):184-91.

Appendix C: List of references of identified reviews of indirect comparison meta-analytic methods

[C1] Ades AE, Madan J, Welton NJ. Indirect and mixed treatment comparisons in arthritis research. *Rheumatology* 2011;50 Suppl 4:iv5-9.

[C2] Bafeta A, Trinquart L, Seror R, Ravaud P. Analysis of the systematic reviews process in reports of network meta-analyses: methodological systematic review. *BMJ* 2013;347:f3675.

[C3] Buti J, Glenny AM, Worthington HV, Nieri M, Baccini M. Network meta-analysis of randomised controlled trials: direct and indirect treatment comparisons. *Eur J Oral Implantol* 2011;4(1):55-62.

[C4] Caldwell DM, Ades AE, Higgins JP. Simultaneous comparison of multiple treatments: combining direct and indirect evidence. *BMJ* 2005;331:897-900.

[C5] Caro JJ, Ishak KJ. No head-to-head trial? Simulate the missing arms. *Pharmacoeconomics* 2010;28(10):957-67.

[C6] Carpiuc KT, Rosti G, Castagnetti F, Treur M, Stephens J. Indirect comparisons of second-generation tyrosine kinase inhibitors in CML: case study using baseline population characteristics. *Onco Targets Ther* 2010;3:205-10.

[C7] Cepeda MS, Fife D, Lobanov V, Sutton A. Can soccer predictions boost the use of indirect comparison to assess the safety of drugs? *Open Drug Saf J* 2011;2(1):25-8.

[C8] Chu J, Sloan CE, Freedberg KA, Yazdanpanah Y, Losina E. Drug efficacy by direct and adjusted indirect comparison to placebo: an illustration by Mycobacterium avium complex prophylaxis in HIV. *AIDS Res Ther* 2011;8:14.

[C9] Cipriani A, Higgins JP, Geddes JR, Salanti G. Conceptual and technical challenges in network meta-analysis. *Ann Intern Med* 2013;159(2):130-7.

[C10] Cipriani A, Barbui C, Rizzo C, Salanti G. What is a multiple treatments meta-analysis? *Epidemiol Psychiatr Sci* 2012;21(2):151-3.

[C11] Cooper NJ, Spiegelhalter D, Bujkiewicz S, Dequen P, Sutton AJ. Use of implicit and explicit bayesian methods in health technology assessment. *Int J Technol Assess Health Care* 2013;29(3):336-42.

[C12] Dias S, Sutton AJ, Ades AE, Welton NJ. Evidence synthesis for decision making 2: a generalized linear modeling framework for pairwise and network meta-analysis of randomized controlled trials. *Med Decis Making* 2013;33(5):607-17.

[C13] Dias S, Welton NJ, Sutton AJ, Caldwell DM, Lu G, Ades AE. Evidence synthesis for decision making 4: inconsistency in networks of evidence based on randomized controlled trials. *Med Decis Making* 2013;33(5):641-56.

[C14] Dias S, Welton NJ, Sutton AJ, Ades AE. Evidence synthesis for decision making 5: the baseline natural history model. *Med Decis Making* 2013;33(5):657-70.

[C15] Donegan S, Williamson P, Gamble C, Tudur-Smith C. Indirect comparisons: a review of reporting and methodological quality. *PLoS One* 2010;5(11):e11054.

[C16] Edwards SJ, Clarke MJ, Wordsworth S, Borrill J. Indirect comparisons of treatments based on systematic reviews of randomised controlled trials. *Int J Clin Pract* 2009;63:841-54.

[C17] Gartlehner G, Moore CG. Direct versus indirect comparisons: a summary of the evidence. *Int J Technol Assess Health Care* 2008;24:170-7.

[C18] Glenny AM, Altman DG, Song F, Sakarovitch C, Deeks JJ, D'Amico R, et al. Indirect comparisons of competing interventions. *Health Technol Assess* 2005;9(26):1-134, iii-iv.

[C19] Harenberg J, Weiss C. Clinical trials with new oral anticoagulants. Additive value of indirect comparisons also named network meta-analyses. *Hamostaseologie* 2013;33(1):62-70.

[C20] Hoaglin DC, Hawkins N, Jansen JP, Scott DA, Itzler R, Cappelleri JC, et al. Conducting indirect-treatment-comparison and network-meta-analysis studies: report of the ISPOR Task Force on Indirect Treatment Comparisons Good Research Practices: part 2. *Value Health* 2011;14(4):429-37.

[C21] Ioannidis JP. Integration of evidence from multiple meta-analyses: a primer on umbrella reviews, treatment networks and multiple treatments meta-analyses. *CMAJ* 2009;181(8):488-93.

[C22] Jansen JP, Naci H. Is network meta-analysis as valid as standard pairwise meta-analysis? It all depends on the distribution of effect modifiers. *BMC Med* 2013;11(1):159.

[C23] Jansen JP, Crawford B, Bergman G, Stam W. Bayesian meta-analysis of multiple treatment comparisons: an introduction to mixed treatment comparisons. *Value Health* 2008;11(5):956-64.

[C24] Jansen JP, Fleurence R, Devine B, Itzler R, Barrett A, Hawkins N, et al. Interpreting indirect treatment comparisons and network meta-analysis for health-care decision making: report of the ISPOR Task Force on Indirect Treatment Comparisons Good Research Practices: part 1. *Value Health* 2011;14(4):417-28.

[C25] Jones B, Roger J, Lane PW, Lawton A, Fletcher C, Cappelleri JC, et al. Statistical approaches for conducting network meta-analysis in drug development. *Pharm Stat* 2011;10(6): 523-31.

[C26] Mavridis D, Salanti G. A practical introduction to multivariate meta-analysis. *Stat Methods Med Res* 2013;22(2):133-58.

[C27] Mills EJ, Ioannidis JP, Thorlund K, Schünemann HJ, Puhan MA, Guyatt GH. How to use an article reporting a multiple treatment comparison meta-analysis. *JAMA* 2012;308(12):1246-53.

[C28] Mills EJ, Bansback N, Ghement I, Thorlund K, Kelly S, Puhan MA, et al. Multiple treatment comparison meta-analyses: a step forward into complexity. *Clin Epidemiol* 2011;3(1):193-202.

[C29] Mills EJ, Thorlund K, Ioannidis JP. Demystifying trial networks and network meta-analysis. *BMJ* 2013;346:f2914.

[C30] Naci H, O'Connor AB. Assessing comparative effectiveness of new drugs before approval using prospective network meta-analyses. *J Clin Epidemiol* 2013;66(8):812-6.

[C31] Naci H, Fleurence R. Using indirect evidence to determine the comparative effectiveness of prescription drugs: do benefits outweigh risks? *Health Outcomes Res Med* 2011;2(4):e241-9.

[C32] Salanti G, Ades AE, Ioannidis JP. Graphical methods and numerical summaries for presenting results from multiple-treatment meta-analysis: an overview and tutorial. *J Clin Epidemiol* 64(2):163-71.

[C33] Schacht A, Dyachkova Y, Walton RJ. Critical evaluation of mixed treatment comparison meta-analyses using examples assessing antidepressants and opioid detoxification treatments. Int *J Methods Psychiatr Res* 2013;22(2):166-74.

[C34] Senn S, Gavini F, Magrez D, Scheen A. Issues in performing a network meta-analysis. *Stat Methods Med Res* 2013;22(2):169-89.

[C35] Snapinn S, Jiang Q. Indirect comparisons in the comparative efficacy and non-inferiority settings. *Pharm Stat* 2011;10(5):420-6.

[C36] Sobieraj DM, Cappelleri JC, Baker WL, Phung OJ, White CM, Coleman CI. Methods used to conduct and report Bayesian mixed treatment comparisons published in the medical literature: a systematic review. *BMJ Open* 2013;3(7):e003111.

[C37] Song F, Loke YK, Walsh T, Glenny AM, Eastwood AJ, Altman DG. Methodological problems in the use of indirect comparisons for evaluating healthcare interventions: survey of published systematic reviews. *BMJ* 2009;338:b1147.

[C38] Song F, Altman DG, Glenny AM, Deeks JJ. Validity of indirect comparison for estimating efficacy of competing interventions: empirical evidence from published meta-analyses. *BMJ* 2003;326(7387):472-5.

[C39] Sutton A, Ades AE, Cooper N, Abrams K. Use of indirect and mixed treatment comparisons for technology assessment. *Pharmacoeconomics* 2008;26(9):753-67.

[C40] Tan SH, Bujkiewicz S, Sutton A, Dequen P, Cooper N. Presentational approaches used in the UK for reporting evidence synthesis using indirect and mixed treatment comparisons. *J Health Serv Res Policy* 2013;18(4):224-32.

[C41] Thorlund K, Druyts E, Aviña-Zubieta JA, Wu P, Milles EJ. Why the findings of published multiple treatment comparison meta-analyses of biologic treatments for rheumatoid arthritis are

different: an overview of recurrent methodological shortcomings. *Ann Rheum Dis* 2013;72(9): 1524-35.

[C42] Woods BS, Hawkins N, Scott DA. Network meta-analysis on the log-hazard scale, combining count and hazard ratio statistics accounting for multi-arm trials: a tutorial. *BMC Med Res Methodol* 2010;10:54.

Appendix D: List of references of identified empirical applications of indirect comparison meta-analytic methods

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Component 129: D361

[D1] Akbar A, Abu Dayyeh BK, Baron TH, Wang Z, Altayar O, Murad MH. Rectal nonsteroidal anti-inflammatory drugs are superior to pancreatic duct stents in preventing pancreatitis after endoscopic retrograde cholangiopancreatography: a network meta-analysis. *Clin Gastroenterol Hepatol* 2013;11(7):778-83.

[D2] Akshintala VS, Hutfless SM, Colantuoni E, Kim KJ, Khashab MA, Li T, et al. Systematic review with network meta-analysis: pharmacological prophylaxis against post-ERCP pancreatitis. *Aliment Pharmacol Ther* 2013;38(11-12):1325-37.

[D3] Alberton M, Wu P, Druyts E, Briel M, Mills EJ. Adverse events associated with individual statin treatments for cardiovascular disease: an indirect comparison meta-analysis. *QJM* 2012;105(2):145-57.

[D4] Alonso-Coello P, Zhou Q, Guyatt G. Home-monitoring of oral anticoagulation vs. dabigatran. An indirect comparison. *Thromb Haemost* 2012;108(4):647-53.

[D5] Baker WL, Baker EL, Coleman CI. Pharmacologic treatments for chronic obstructive pulmonary disease: a mixed-treatment comparison meta-analysis. *Pharmacotherapy* 2009;29(8): 891-905.

[D6] Baker WL, Phung OJ. Systematic review and adjusted indirect comparison meta-analysis of oral anticoagulants in atrial fibrillation. *Circ Cardiovasc Qual Outcomes* 2012;5(5):711-9.

[D7] Bekkering GE, Abou-Setta AM, Kleijnen J. The application of quantitative methods for identifying and exploring the presence of bias in systematic reviews: PDE-5 inhibitors for erectile dysfunction. *Int J Impot Res* 2008;20(3):264-77.

[D8] Bekkering GE, Soares-Weiser K, Reid K, Kessels AG, Dahan A, Treede RD, et al. Can morphine still be considered to be the standard for treating chronic pain? A systematic review including pair-wise and network meta-analyses. *Curr Med Res Opin* 2011;27(7):1477-91.

[D9] Bergman GJ, Hochberg MC, Boers M, Wintfeld N, Kielhorn A, Jansen JP. Indirect comparison of tocilizumab and other biologic agents in patients with rheumatoid arthritis and inadequate response to disease-modifying antirheumatic drugs. *Semin Arthritis Rheum* 2010;39(6):425-41.

[D10] Berry SM, Broglio KR, Berry DA. Addressing the incremental benefit of histamine dihydrochloride when added to interleukin-2 in treating acute myeloid leukemia: a Bayesian meta-analysis. *Cancer Invest* 2011;29(4):293-9.

[D11] Bhala N, Emberson J, Merhi A, Abramson S, Arber N, Baron JA, et al. Vascular and upper gastrointestinal effects of non-steroidal anti-inflammatory drugs: meta-analyses of individual participant data from randomised trials. *Lancet* 2013;382(9894):769-79.

[D12] Bottomley JM, Taylor RS, Ryttov J. The effectiveness of two-compound formulation calcipotriol and betamethasone dipropionate gel in the treatment of moderately severe scalp psoriasis: a systematic review of direct and indirect evidence. *Curr Med Res Opin* 2011;27(1):251-68.

[D13] Buscemi N, Vandermeer B, Friesen C, Bialy L, Tubman M, Ospina M, et al. The efficacy and safety of drug treatments for chronic insomnia in adults: a meta-analysis of RCTs. *J Gen Intern Med* 2007;22(9):1335-50.

[D14] Buser N, Ivic S, Kessler TM, Kessels AG, Bachmann LM. Efficacy and adverse events of antimuscarinics for treating overactive bladder: network meta-analyses. *Eur Urol* 2012;62(6):1040-60.

[D15] Castellucci LA, Cameron C, Le Gal G, Rodger MA, Coyle D, Wells PS, et al. Efficacy and safety outcomes of oral anticoagulants and antiplatelet drugs in the secondary prevention of venous thromboembolism: systematic review and network meta-analysis. *BMJ* 2013;347:f5133.

[D16] Choy E, Marshall D, Gabriel ZL, Mitchell SA, Gylee E, Dakin HA. A systematic review and mixed treatment comparison of the efficacy of pharmacological treatments for fibromyalgia. *Semin Arthritis Rheum* 2011;41(3):335-45.e6.

[D17] Cipriani A, Furukawa TA, Salanti G, Geddes JR, Higgins JP, Churchill R, et al. Comparative efficacy and acceptability of 12 new-generation antidepressants: a multiple-treatments meta-analysis. *Lancet* 2009;373(9665):746-58.

[D18] Cipriani A, Barbui C, Salanti G, Rendell J, Brown R, Stockton S, et al. Comparative efficacy and acceptability of antimanic drugs in acute mania: a multiple-treatments meta-analysis. *Lancet* 2011;378(9799):1306-15.

[D19] Cohen A, Drost P, Marchant N, Mitchell S, Orme M, Rublee D, et al. The efficacy and safety of pharmacological prophylaxis of venous thromboembolism following elective knee or hip replacement: systematic review and network meta-analysis. *Clin Appl Thromb Hemost* 2012;18(6):611-27.

[D20] Coleman CI, Baker WL, Kluger J, White CM. Antihypertensive medication and their impact on cancer incidence: a mixed treatment comparison meta-analysis of randomized controlled trials. *J Hypertens* 2008;26(4):622-9.

[D21] Cooper CL, Druyts E, Thorlund K, Nachega JB, El Khoury AC, O'Regan C, et al. Boceprevir and telaprevir for the treatment of chronic hepatitis C genotype 1 infection: an indirect comparison meta-analysis. *Ther Clin Risk Manag* 2012;8:105-30.

[D22] Cooper C, Lester R, Thorlund K, Druyts E, El Khoury AC, Yaya S, et al. Direct-acting antiviral therapies for hepatitis c genotype 1 infection: a multiple treatment comparison meta-analysis. *QJM* 2013;106(2):153-63.

[D23] Cooper NJ, Sutton AJ, Lu G, Khunti K. Mixed comparison of stroke prevention treatments in individuals with nonrheumatic atrial fibrillation. Arch Intern Med 2006;166(12):1269-75.

[D24] Cope S, Cupkun-Niggli G, Gale R, Jardim JR, Jansen JP. Comparative efficacy of indacaterol 150 mug and 300 mug versus fixed-dose combinations of formoterol + budesonide or salmeterol + fluticasone for the treatment of chronic obstructive pulmonary disease - a network meta-analysis. *Int J Chron Obstruct Pulmon Dis* 2011;6(1):329-44.

[D25] Cope S, Zhang J, Williams J, Jansen JP. Efficacy of once-daily indacaterol 75 μg relative to alternative bronchodilators in COPD: a study level and a patient level network meta-analysis. BMC Pulm Med 2012;12:29.

[D26] Cope S, Kraemer M, Zhang J, Capkun-Niggli G, Jansen JP. Efficacy of indacaterol 75 mug versus fixed-dose combinations of formoterol-budesonide or salmeterol-fluticasone for COPD: a network meta-analysis. *Int J Chron Obstruct Pulmon Dis* 2012;7:415-20.

[D27] Cope S, Capkun-Ziggli G, Gale R, Lassen C, Owen R, Ouwens MJ, et al. Efficacy of once-daily indacaterol relative to alternative bronchodilators in COPD: a patient-level mixed treatment comparison. *Value Health* 2012;15(3):524-33.

[D28] Cope S, Donohue JF, Jansen JP, Kraemer M, Capkun-Niggli G, Baldwin M, et al. Comparative efficacy of long-acting bronchodilators for COPD: a network meta-analysis. *Respir Res* 2013;14:100.

[D29] Cope S, Ouwens MJ, Jansen JP, Schmid P. Progression-free survival with fulvestrant 500 mg and alternative endocrine therapies as second-line treatment for advanced breast cancer: a network meta-analysis with parametric survival models. *Value Health* 2013;16(2):403-17.

[D30] Dakin H, Fidler C, Harper H. Mixed treatment comparison meta-analysis evaluating the relative efficacy of nucleos(t)ides for treatment of nucleos(t)ide-naive patients with chronic hepatitis B. *Value Health* 2010;13(8):934-45.

[D31] Dakin HA, Welton NJ, Ades AE, Collins S, Orme M, Kelly S. Mixed treatment comparison of repeated measurements of a continuous endpoint: an example using topical treatments for primary open-angle glaucoma and ocular hypertension. *Stat Med* 2011;30(20):2511-35.

[D32] Dequen P, Lorigan P, Jansen JP, van Baardewijk M, Ouwens MJ, Kotapati S. Systematic review and network meta-analysis of overall survival comparing 3 mg/kg ipilimumab with alternative therapies in the management of pretreated patients with unresectable stage III or IV melanoma. *Oncologist* 2012;17(11):1376-85.

[D33] Dunkley AJ, Charles K, Gray LJ, Camosso-Stefinovic J, Davies MJ, Khunti K. Effectiveness of interventions for reducing diabetes and cardiovascular disease risk in people with metabolic syndrome: systematic review and mixed treatment comparison meta-analysis. *Diabetes Obes Metab* 2012;14(7):616-25.

[D34] Eckert L, Falissard B. Using meta-regression in performing indirect-comparisons: Comparing escitalopram with venlafaxine XR. *Curr Med Res Opin* 2006;22(11):2313-21.

[D35] Eckert L, Lançon C. Duloxetine compared with fluoxetine and venlafaxine: use of meta-regression analysis for indirect comparisons. *BMC Psychiatry* 2006;6:30.

[D36] Edwards SJ, Lind T, Lundell L, Das R. Systematic review: standard- and double-dose proton pump inhibitors for the healing of severe erosive oesophagitis - a mixed treatment comparison of randomized controlled trials. *Aliment Pharmacol Ther* 2009;30(6):547-56.

[D37] Edwards SJ, Smith CJ. Tolerability of atypical antipsychotics in the treatment of adults with schizophrenia or bipolar disorder: a mixed treatment comparison of randomized controlled trials. *Clin Ther* 2009;31:1345-59.

[D38] Edwards SJ, Clarke MJ, Wordsworth S, Welton NJ. Carbapenems versus other beta-lactams in the treatment of hospitalised patients with infection: a mixed treatment comparison. *Curr Med Res Opin* 2009;25(1):251-61.

[D39] Eisenberg MJ, Fillion KB, Yavin D, Bélisle P, Mottillo S, Joseph L, et al. Pharmacotherapies for smoking cessation: a meta-analysis of randomized controlled trials. *CMAJ* 2008;179(2):135-44.

[D40] Fakhoury W, Lockhart I, Kotchie RW, Aagren M, LeReun C. Indirect comparison of once daily insulin detemir and glargine in reducing weight gain and hypoglycaemic episodes when administered in addition to conventional oral anti-diabetic therapy in patients with type-2 diabetes. *Pharmacology* 2008;82(2):156-63.

[D41] Filippini G, Del Giovane C, Vacchi L, D'Amico R, Di Pietrantonj C, Beecher D, et al. Immunomodulators and immunosuppressants for multiple sclerosis: a network meta-analysis. *Cochrane Database of Syst Rev* 2013;6;CD008933.

[D42] Fox BD, Kahn SR, Langleben D, Eisenberg MJ, Shimony A. Efficacy and safety of novel oral anticoagulants for treatment of acute venous thromboembolism: direct and adjusted indirect meta-analysis of randomised controlled trials. *BMJ* 2012;345:e7498.

[D43] Freemantle N, Lafuente-Lafuente C, Mitchell S, Eckert L, Reynolds M. Mixed treatment comparison of dronedarone, amiodarone, sotalol, flecainide, and propafenone, for the management of atrial fibrillation. *Europace* 2011;13(3):329-45.

[D44] Freemantle N, Tharmanathan P, Herbrecht R. Systematic review and mixed treatment comparison of randomized evidence for empirical, pre-emptive and directed treatment strategies for invasive mould disease. *J Antimicrob Chemother* 2011;66 Suppl 1:i25-35.

[D45] Freemantle N, Cooper C, Diez-Perez A, Gitlin M, Radcliffe H, Shepherd S, et al. Results of indirect and mixed treatment comparison of fracture efficacy for osteoporosis treatments: a meta-analysis. *Osteoporos Int* 2013;24(1):209-17.

[D46] Golfinopoulos V, Salanti G, Pavlidis N, Ioannidis JP. Survival and disease-progression benefits with treatment regimens for advanced colorectal cancer: a meta-analysis. *Lancet Oncol* 2007;8(10):898-911.

[D47] Golfinopoulos V, Pentheroudakis G, Salanti G, Nearchou AD, Ioannidis JP, Pavlidis N. Comparative survival with diverse chemotherapy regimens for cancer of unknown primary site: multiple-treatments meta-analysis. *Cancer Treat Rev* 2009;35(7):570-3.

[D48] Gray LJ, Cooper N, Dunkley A, Warren FC, Ara R, Abrams K, et al. A systematic review and mixed treatment comparison of pharmacological interventions for the treatment of obesity. *Obes Rev* 2012;13(6):483-98.

[D49] Guyot P, Taylor P, Christensen R, Pericleous L, Poncet C, Lebmeier M, et al. Abatacept with methotrexate versus other biologic agents in treatment of patients with active rheumatoid arthritis despite methotrexate: a network meta-analysis. *Arthritis Res Ther* 2011;13(6):R204.

[D50] Haas DM, Caldwell DM, Kirkpatrick P McIntosh JJ, Welton NJ. Tocolytic therapy for preterm delivery: systematic review and network meta-analysis. *BMJ* 2012;345:e6226.

[D51] Halpin DM, Gray J, Edwards SJ, Morais J, Singh D. Budesonide/formoterol vs. salmeterol/fluticasone in COPD: a systematic review and adjusted indirect comparison of pneumonia in randomised controlled trials. *Int J Clin Pract* 2011;65(7):764-74.

[D52] Harenberg J, Marx S, Diener HC, Lip GY, Marder VJ, Wehling M, et al. Comparison of efficacy and safety of dabigatran, rivaroxaban and apixaban in patients with atrial fibrillation using network meta-analysis. *Int Angiol* 2012;31(4):330-9.

[D53] Harenberg J, Marx S, Dahl OE, Marder VJ, Schulze A, Wehling M, et al. Interpretation of endpoints in a network meta-analysis of new oral anticoagulants following total hip or total knee replacement surgery. *Thromb Haemost* 2012;108(5):903-12.

[D54] Hartling L, Fernandes RM, Bialy L, Milne A, Johnson D, Plint A, et al. Steroids and bronchodilators for acute bronchiolitis in the first two years of life: systematic review and meta-analysis. *BMJ* 2011;342:d1714.

[D55] Häuser W, Petzke F, Sommer C. Comparative efficacy and harms of duloxetine, milnacipran, and pregabalin in fibromyalgia syndrome. *J Pain* 2010;11(6):505-21.

[D56] Häuser W, Petzke F, Üçeyler N, Sommer C. Comparative efficacy and acceptability of amitriptyline, duloxetine and milnacipran in fibromyalgia syndrome: a systematic review with meta-analysis. *Rheumatology* 2011;50(3):532-43.

[D57] Henry D, Carless P, Fergusson D, Laupacis A. The safety of aprotinin and lysine-derived antifibrinolytic drugs in cardiac surgery: a meta-analysis. *CMAJ* 2009;180(2):183-93.

[D58] Hochberg MC, Tracy JK, Hawkins-Holt M, Flores RH. Comparison of the efficacy of the tumour necrosis factor α blocking agents adalimumab, etanercept, and infliximab when added to methotrexate in patients with active rheumatoid arthritis. *Ann Rheum Dis* 2003;62 Supply 2:13-6.

[D59] Hochberg MC, Berry S, Broglio K, Rosenblatt L, Nadkarni A, Trivedi D, et al. Mixed treatment comparison of efficacy and tolerability of biologic agents in patients with rheumatoid arthritis. *Curr Med Res Opin* 2013;29(10):1213-22.

[D60] Hopkins RB, Goeree R, Pullenayegum E, Adachi JD, Papaioannou A, Xie F, et al. The relative efficacy of nine osteoporosis medications for reducing the rate of fractures in post-menopausal women. *BMC Musculoskelet Disord* 2011;12:209.

[D61] Howell N, Senanayake E, Freemantle N, Pagano D. Putting the record straight on aprotinin as safe and effective: results from a mixed treatment meta-analysis of trials of aprotinin. *J Thorac Cardiovasc Surg* 2013;145(1):234-40.

[D62] Hutton B, Joseph L, Fergusson D, Mazer CD, Shapiro S, Tinmouth A. Risks of harms using antifibrinolytics in cardiac surgery: systematic review and network meta-analysis of randomised and observational studies. BMJ 2012;345:e5798.

[D63] Jansen JP, Bergman GJ, Huels J, Olson M. Prevention of vertebral fractures in osteoporosis: mixed treatment comparison of bisphosphonate therapies. *Curr Med Res Opin* 2009;25(8):1861-8.

[D64] Jansen JP, Bergman GJ, Huels J, Olson M. The efficacy of bisphosphonates in the prevention of vertebral, hip, and nonvertebral-nonhip fractures in osteoporosis: a network meta-analysis. *Semin Arthritis Rheum* 2011;40(4):275-84.e1-2.

[D65] Kinnaird T, Medic G, Casella G, Schiele F, Kaul U, Radke PW, et al. Relative efficacy of bivalirudin versus heparin monotherapy in patients with ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention: a network meta-analysis. *J Blood Med* 2013;4:129-40.

[D66] Knottnerus BJ, Grigoryan L, Geerlings SE, Moll van Charante EP, Verheij TJ, Kessels AG, et al. Comparative effectiveness of antibiotics for uncomplicated urinary tract infections: network meta-analysis of randomized trials. *Fam Pract* 2012;29(6):659-70.

[D67] Krogh TP, Bartels EM, Ellingsen T, Stengaard-Pedersen K, Buchbinder R, Fredberg U, et al. Comparative effectiveness of injection therapies in lateral epicondylitis: a systematic review and network meta-analysis of randomized controlled trials. *Am J Sports Med* 2013;41(6):1435-46.

[D68] Kwok CS, Yeong JK, Loke YK. Meta-analysis: risk of fractures with acid-suppressing medication. *Bone* 2011;48(4):768-76.

[D69] Kwok CS, Arthur AK, Anibueze CI, Singh S, Cavallazzi R, Loke YK. Risk of Clostridium difficile infection with acid suppressing drugs and antibiotics: meta-analysis. *Am J Gastroenterol* 2012;107(7):1011-9.

[D70] Kwok CS, Pradhan S, Yeong JK, Loke YK. Relative effects of two different enoxaparin regimens as comparators against newer oral anticoagulants: meta-analysis and adjusted indirect comparison. *Chest* 2013;144(2):593-600.

[D71] Kyrgiou M, Salanti G, Pavlidis N, Paraskevaidis E, Ioannidis JP. Survival benefits with diverse chemotherapy regimens for ovarian cancer: meta-analysis of multiple treatments. *J Natl Cancer Inst* 2006;98(22):1655-63.

[D72] Lanas A, Wu P, Medin J, Mills EJ. Low doses of acetylsalicylic acid increase risk of gastrointestinal bleeding in a meta-Analysis. *Clin Gastroenterol Hepatol* 2011;9(9):762-82.e6.

[D73] Lang SH, Manning N, Armstrong N, Misso K, Allen A, Di Nisio M, et al. Treatment with tirofiban for acute coronary syndrome (ACS): a systematic review and network analysis. *Curr Med Res Opin* 2012;28(3):351-70.

[D74] Larkin J, Paine A, Tumur I, Cappelleri JC, Healey PJ Sr, Foley G, et al. Second-line treatments for the management of advanced renal cell carcinoma: systematic review and meta-analysis. *Expert Opin Pharmacother* 2013;14(1):27-39.

[D75] Lereun C, Wells P, Diamantopoulos A, Rasul F, Lees M, Sengupta N. An indirect comparison, via enoxaparin, of rivaroxaban with dabigatran in the prevention of venous thromboembolism after hip or knee replacement. J Med Econ 2011;14(2):238-44.

[D76] Leucht S, Cipriani A, Spineli L, Mavridis D, Orey D, Richter F, et al. Comparative efficacy and tolerability of 15 antipsychotic drugs in schizophrenia: a multiple-treatments meta-analysis. *Lancet* 2013;382(9896):951-62.

[D77] Lip GYH, Larsen TB, Skjøth F, Rasmussen LH. Indirect comparisons of new oral anticoagulant drugs for efficacy and safety when used for stroke prevention in atrial fibrillation. *J Am Coll Cardiol* 2012;60(8):738-46.

[D78] Littlewood KJ, Higashi K, Jansen JPO, Capkun-Niggli G, Balp MM, Doering G, et al. A network meta-analysis of the efficacy of inhaled antibiotics for chronic Pseudomonas infections in cystic fibrosis. *J Cyst Fibros* 2012;11(5):419-26.

[D79] Loke YK, Kwok CS. Dabigatran and rivaroxaban for prevention of venous thromboembolism - systematic review and adjusted indirect comparison. *J Clin Pharm Ther* 2011;36(1):111-24.

[D80] Manzoli L, Salanti G, De Vito C, Boccia A, Ioannidis JP, Villari P. Immunogenicity and adverse events of avian influenza A H5N1 vaccine in healthy adults: multiple-treatments meta-analysis. *Lancet Infect Dis* 2009;9(8):482-92.

[D81] Manzoli L, De Vito C, Salanti G, D'Addario M, Villari P, Ioannidis JP. Meta-analysis of the immunogenicity and tolerability of pandemic influenza A 2009 (H1N1) vaccines. PLoS One 2011;6(9):e24384.

[D82] Mauri D, Polyzos NP, Salanti G, Pavlidis N, Ioannidis JP. Multiple-treatments meta-analysis of chemotherapy and targeted therapies in advanced breast cancer. *J Natl Cancer Inst* 2008;100(24):1780-91.

[D83] McIntosh B, Cameron C, Singh SR, Yu C, Ahuja T, Welton NJ, et al. Second-line therapy in patients with type 2 diabetes inadequately controlled with metformin monotherapy: a systematic review and mixed-treatment comparison meta-analysis. *Open Med* 2011;5(1):35-48.

[D84] McIntosh B, Cameron C, Singh SR, Yu C, Dolovich L, Houlden R. Choice of therapy in patients with type 2 diabetes inadequately controlled with metformin and a sulphonylurea: a systematic review and mixed-treatment comparison meta-analysis. *Open Med* 2012;6(2):e62-74.

[D85] Meissner K, Fässler M, Rücker G, Kleijnen J, Hróbjartsson A, Schneider A, et al. Differential effectiveness of placebo treatments: a systematic review of migraine prophylaxis. *JAMA Intern Med* 2013;173(21):1941-51.

[D86] Mills EJ, Rachlis B, Wu P, Devereaux PJ, Arora P, Perri D. Primary prevention of cardiovascular mortality and events with statin treatments: a network meta-analysis involving more than 65,000 patients. *J Am Coll Cardiol* 2008;52(22):1769-81.

[D87] Mills EJ, Perri D, Cooper C, Nachega JB, Wu P, Tleyjeh I, et al. Antifungal treatment for invasive Candida infections: a mixed treatment comparison meta-analysis. *Ann Clin Microbiol Antimicrob* 2009;8:23.

[D88] Mills EJ, Rachlis B, O'Regan C, Thabane L, Perri D. Metastatic renal cell cancer treatments: an indirect comparison meta-analysis. *BMC Cancer* 2009;9:34.

[D89] Mills EJ, Wu P, Spurden D, Ebbert JO, Wilson K. Efficacy of pharmacotherapies for short-term smoking abstinance: a systematic review and meta-analysis. Harm Reduct J 2009;6:25.

[D90] Mills EJ, Druyts E, Ghement I, Puhan MA. Pharmacotherapies for chronic obstructive pulmonary disease: a multiple treatment comparison meta-analysis. *Clin Epidemiol* 2011;3(1):107-29.

[D91] Mills EJ, Wu P, Chong G, Ghement I, Singh S, Akl EA, et al. Efficacy and safety of statin treatment for cardiovascular disease: a network meta-analysis of 170,255 patients from 76 randomized trials. *QJM* 2011;104(2):109-24.

[D92] Mills EJ, Wu P, Lockhart I, Thorlund K, Phuan M, Ebbert JO. Comparisons of high-dose and combination nicotine replacement therapy, varenicline, and bupropion for smoking cessation: a systematic review and multiple treatment meta-analysis. *Ann Med* 2012;44(6):588-97.

[D93] Mitchell SA, Simon TA, Raza S, Jakouloff D, Orme ME, Lockhart I, et al. The efficacy and safety of oral anticoagulants in warfarin-suitable patients with nonvalvular atrial fibrillation: systematic review and meta-analysis. *Clin Appl Thromb Hemost* 2013;19(6):619-31.

[D94] Murad MH, Drake MT, Mullan RJ, Mauck KF, Stuart LM, Lane MA, et al. Clinical review. Comparative effectiveness of drug treatments to prevent fragility fractures: a systematic review and network meta-analysis. *J Clin Endocrinol Metab* 2012;97(6):1871-80.

[D95] Naci H, Ioannidis JP. Comparative effectiveness of exercise and drug interventions on mortality outcomes: metaepidemiological study. *BMJ* 2013;347:f5577.

[D96] Naci H, Brugts JJ, Ades T. Comparative tolerability and harms of individual statins: a study-level network meta-analysis of 246 955 participants from 135 randomized, controlled trials. *Circ Cardiovasc Qual Outcomes* 2013;6(4):390-9.

[D97] Naci H, Brugts JJ, Fleurence R, Tsoi B, Toor H, Ades AE. Comparative benefits of statins in the primary and secondary prevention of major coronary events and all-cause mortality: a network meta-analysis of placebo-controlled and active-comparator trials. *Eur J Prev Cardiol* 2013;20(4):641-57.

[D98] Naci H, Brugts JJ, Fleurence R, Ades AE. Dose-comparative effects of different statins on serum lipid levels: a network meta-analysis of 256,827 individuals in 181 randomized controlled trials. *Eur J Prev Cardiol* 2013;20(4):658-70.

[D99] Naci H, Brugts JJ, Fleurence R, Ades AE. Comparative effects of statins on major cerebrovascular events: a multiple-treatments meta-analysis of placebo-controlled and active-comparator trials. *QJM* 2013;106(4):299-306.

[D100] Naudet F, Millet B, Charlier P, Reymann JM, Maria AS, Falissard B. Which placebo to cure depression? A thought-provoking network meta-analysis. *BMC Med* 2013;11(1):230.

[D101] Navarese EP, Buffon A, Andreotti F, Kozinski M, Welton N, Fabiszak T, et al. Meta-analysis of impact of different types and doses of statins on new-onset diabetes mellitus. *Am J Cardiol* 2013;111(8):1123-30.

[D102] Nüesch E, Häuser W, Bernardy K, Barth J, Jüni P. Comparative efficacy of pharmacological and non-pharmacological interventions in fibromyalgia syndrome: network meta-analysis. *Ann Rheum Dis* 2013;72(6):955-62.

[D103] Orme M, Collins S, Dakin H, Kelly S, Loftus J. Mixed treatment comparison and meta-regression of the efficacy and safety of prostaglandin analogues and comparators for primary open-angle glaucoma and ocular hypertension. *Curr Med Res Opin* 2010;26(3):511-28.

[D104] Orme ME, Macgilchrist KS, Mitchell S, Spurden D, Bird A. Systematic review and network meta-analysis of combination and monotherapy treatments in disease-modifying antirheumatic drug-experienced patients with rheumatoid arthritis: analysis of American college of Rheumatology criteria scores 20, 50, and 70. *Biologics* 2012;6:429-64.

[D105] Phung OJ, Scholle JM, Talwar M, Coleman CI. Effect of noninsulin antidiabetic drugs added to metformin therapy on glycemic control, weight gain, and hypoglycemia in type 2 diabetes. *JAMA* 2010;303(14):1410-8.

[D106] Phung OJ, Kahn SR, Cook DJ, Murad MH. Dosing frequency of unfractionated heparin thromboprophylaxis: a meta-analysis. *Chest* 2011;140(2):374-81.

[D107] Phung OJ, Sood NA, Sill BE, Coleman CI. Oral anti-diabetic drugs for the prevention of Type 2 diabetes. *Diabet Med* 2011;28(8):948-64.

[D108] Puhan MA, Bachmann LM, Kleijnen J, Ter Riet G, Kessels AG. Inhaled drugs to reduce exacerbations in patients with chronic obstructive pulmonary disease: a network meta-analysis. *BMC Med* 2009;7:2.

[D109] Quilici S, Abrams KR, Nicolas A, Martin M, Petit C, Lleu PL, et al. Meta-analysis of the efficacy and tolerability of pramipexole versus ropinirole in the treatment of restless legs syndrome. *Sleep Med* 2008;9(7):715-26.

[D110] Quilici S, Chancellor J, Löthgren M, Simon D, Said G, Le TK, et al. Meta-analysis of duloxetine vs. pregabalin and gabapentin in the treatment of diabetic peripheral neuropathic pain. *BMC Neurol* 2009;9:6.

[D111] Rashiq S, Vandermeer B, Abou-Setta AM, Beaupre LA, Jones CA, Dryden DM. Efficacy of supplemental peripheral nerve blockade for hip fracture surgery: multiple treatment comparison. *Can J Anesth* 2013;60(3):230-43.

[D112] Rasmussen LH, Larsen TB, Graungaard T, Skjøth F, Lip GY. Primary and secondary prevention with new oral anticoagulant drugs for stroke prevention in atrial fibrillation: indirect comparison analysis. *BMJ* 2012;345:e7097.

[D113] Riemsma R, Simons JP, Bashir Z, Gooch CL, Kleijnen J. Systematic Review of topotecan (Hycamtin) in relapsed small cell lung cancer. *BMC Cancer* 2010;10:436.

[D114] Riemsma R, Forbes CA, Kessels A, Lykopoulos K, Amonkar MM, Rea DW, et al. Systematic review of aromatase inhibitors in the first-line treatment for hormone sensitive advanced or metastatic breast cancer. *Breast Cancer Res Treat* 2010;123(1):9-24.

[D115] Riemsma R, Forbes C, Harker J, Worthy G, Misso K, Schäfer M, et al. Systematic review of tapentadol in chronic severe pain. *Curr Med Res Opin* 2011;27(10):1907-30.

[D116] Riemsma R, Forbes CA, Amonkar MM, Lykopoulos K, Diaz JR, Kleijnen J, et al. Systematic review of lapatinib in combination with letrozole compared with other first-line treatments for hormone receptor positive(HR+) and HER2+ advanced or metastatic breast cancer(MBC). *Curr Med Res Opin* 2012;28(8):1263-79.

[D117] Roskell NS, Lip GY, Noack H, Clemens A, Plumb JM. Treatments for stroke prevention in atrial fibrillation: a network meta-analysis and indirect comparisons versus dabigatran etexilate. *Thromb Haemost* 2010;104(6):1106-15.

[D118] Roskell NS, Beard SM, Zhao Y, Le TK. A meta-analysis of pain response in the treatment of fibromyalgia. *Pain Pract* 2011;11(6):516-27.

[D119] Roskell NS, Zimovetz EA, Rycroft CE, Eckert BJ, Tyas DA. Annualized relapse rate of first-line treatments for multiple sclerosis: a meta-analysis, including indirect comparisons versus fingolimod. *Curr Med Res Opin* 2012;28(5):767-80.

[D120] Salliot C, Finckh A, Katchamart W, Lu Y, Sun Y, Bombardier C, et al. Indirect comparisons of the efficacy of biological antirheumatic agents in rheumatoid arthritis in patients with an inadequate response to conventional disease-modifying antirheumatic drugs or to an anti-tumour necrosis factor agent: a meta-analysis. *Ann Rheum Dis* 2011;70(2):266-71.

[D121] Singh JA, Christensen R, Wells GA, Suarez-Almazor ME, Buchbinder R, Lopez-Olivo MA, et al. A network meta-analysis of randomized controlled trials of biologics for rheumatoid arthritis: a Cochrane overview. *CMAJ* 2009;181(11):787-96.

[D122] Singh JA, Wells GA, Christensen R, Tanjong Ghogomu E, Maxwell L, Macdonald JK, et al. Adverse effects of biologics: a network meta-analysis and Cochrane overview. *Cochrane Database Syst Rev* 2011;(2):CD008794.

[D123] Skoetz N, Trelle S, Rancea M, Haverkamp H, Diehl V, Engert A, et al. Effect of initial treatment strategy on survival of patients with advanced-stage Hodgkin's lymphoma: a systematic review and network meta-analysis. *Lancet Oncol* 2013;14(10):943-52.

[D124] Snedecor SJ, Sudharshan L, Cappelleri JC, Sadosky A, Desai R, Jalundhwala YJ, et al. Systematic review and comparison of pharmacologic therapies for neuropathic pain associated with spinal cord injury. *J Pain Res* 2013;6:539-47.

[D125] Stam WB, Jansen J, Taylor S. Efficacy of etoricoxib, celecoxib, lumiracoxib, non-selective NSAIDs, and acetaminophen in osteoarthritis: a mixed treatment comparison. *Open Rheumatol J* 2012;6(1):6-20.

[D126] Steiner S, Moertl D, Chen L, Coyle D, Wells GA. Network meta-analysis of prasugrel, ticagrelor, high- and standard-dose clopidogrel in patients scheduled for percutaneous coronary interventions. *Thromb Haemost* 2012;108(2):318-27.

[D127] Strassmann R, Bausch B, Spaar A, Kleijnen J, Braendli O, Puhan MA. Smoking cessation interventions in COPD: a network meta-analysis of randomised trials. *Eur Respir J* 2009;34(3):634-40.

[D128] Sundaresh V, Brito JP, Wang Z, Prokop LJ, Stan MN, Murad MH, et al. Comparative effectiveness of therapies for graves' hyperthyroidism: a systematic review and network meta-Analysis. *J Clin Endocrinol Metab* 2013;98(9):3671-7.

[D129] Thorlund K, Druyts E, Aviña-Zubieta JA, Mills EJ. Anti-tumor necrosis factor (TNF) drugs for the treatment of psoriatic arthritis: an indirect comparison meta-analysis. *Biologics* 2012;6:417-27.

[D130] Trelle S, Reichenbach S, Wandel S, Hildebrand P, Tschannen B, Villiger PM, et al. Cardiovascular safety of non-steroidal anti-inflammatory drugs: network meta-analysis. *BMJ* 2011;342:c7086.

[D131] van de Kerkhof P, de Peuter R, Ryttov J, Jansen JP. Mixed treatment comparison of a two-compound formulation (TCF) product containing calcipotriol and betamethasone dipropionate with other topical treatments in psoriasis vulgaris. *Curr Med Res Opin* 2011;27(1): 225-38.

[D132] van der Mark LB, Lyklema PH, Geskus RB, Mohrs J, Bindels PJ, van Aalderen WM, et al. A systematic review with attempted network meta-analysis of asthma therapy recommended for five to eighteen year olds in GINA steps three and four. *BMC Pulm Med* 2012;12:63.

[D133] Vieira MC, Kumar RN, Jansen JP. Comparative effectiveness of efavirenz, protease inhibitors, and raltegravir-based regimens as first-line treatment for HIV-infected adults: a mixed treatment comparison. *HIV Clin Trials* 2011;12(4):175-89.

[D134] Vissers D, Stam W, Nolte T, Lenre M, Jansen J. Efficacy of intranasal fentanyl spray versus other opioids for breakthrough pain in cancer. *Curr Med Res Opin* 2010;26(5):1037-45.

[D135] Wandel S, Jüni P, Tendal B, Nüesch E, Villiger PM, Welton NJ, et al. Effects of glucosamine, chondroitin, or placebo in patients with osteoarthritis of hip or knee: network meta-analysis. *BMJ* 2010;341:c4675.

[D136] Wehren LE, Hosking D, Hochberg MC. Putting evidence-based medicine into clinical practice: comparing anti-resorptive agents for the treatment of osteoporosis. *Curr Med Res Opin* 2004;20(4):525-31.

[D137] Welton NJ, Cooper NJ, Ades AE, Lu G, Sutton AJ. Mixed treatment comparison with multiple outcomes reported inconsistently across trials: evaluation of antivirals for treatment of influenza A and B. *Stat Med* 2008;27(27):5620-39.

[D138] Wolff RF, Bala MM, Westwood M, Kessels AG, Kleijnen J. 5% lidocaine medicated plaster in painful diabetic peripheral neuropathy (DPN): a systematic review. *Swiss Med Wkly* 2010;140(21-22):297-306.

[D139] Wolff RF, Bala MM, Westwood M, Kessels AG, Kleijnen J. 5% lidocaine-medicated plaster vs other relevant interventions and placebo for post-herpetic neuralgia (PHN): a systematic review. *Acta Neurol Scand* 2011;123(5):295-309.

[D140] Wolff RF, Aune D, Truyers C, Hernandez AV, Misso K, Riemsma R, et al. Systematic review of efficacy and safety of buprenorphine versus fentanyl or morphine in patients with chronic moderate to severe pain. *Curr Med Res Opin* 2012;28(5):833-45.

[D141] Wu P, Wilson K, Dimoulas P, Mills EJ. Effectiveness of smoking cessation therapies: a systematic review and meta-analysis. *BMC Public Health* 2006;6:300.

[D142] Yazdanpanah Y, Sissoko D, Egger M, Mouton Y, Zwahlen M, Chêne G. Clinical efficacy of antiretroviral combination therapy based on protease inhibitors or non-nucleoside analogue reverse transcriptase inhibitors: indirect comparison of controlled trials. *BMJ* 2004;328(7434):249.

[D143] Zhou Z, Rahme E, Pilote L. Are statins created equal? Evidence from randomized trials of pravastatin, simvastatin, and atorvastatin for cardiovascular disease prevention. *Am Heart J* 2006;151(2):273-81.

[D144] Biondi-Zoccai G, Lotrionte M, Agostoni P, Abbate A, Romagnoli E, Sangiorgi G, et al. Adjusted indirect comparison meta-analysis of prasugrel versus ticagrelor for patients with acute coronary syndromes. *Int J Cardiol* 2011;150(3):325-31.

[D145] Biondi-Zoccai G, Malavasi V, D'Ascenzo F, Abbate A, Agostoni P, Lotrionte M, et al. Comparative effectiveness of novel oral anticoagulants for atrial fibrillation: evidence from pair-wise and warfarin-controlled network meta-analyses. *HSR Proc Intensive Care Cardiovasc Anesth* 2013;5(1):40-54.

[D146] Chatterjee S, Biondi-Zoccai G, Abbate A, D'Ascenzo F, Castagno D, Van Tassell B, et al. Benefits of beta blockers in patients with heart failure and reduced ejection fraction: network meta-analysis. *BMJ* 2013;346:f55.

[D147] Chatterjee S, Sardar P, Biondi-Zoccai G, Kumbhani DJ. New oral anticoagulants and the risk of intracranial hemorrhage: traditional and Bayesian meta-analysis and mixed treatment comparison of randomized trials of new oral anticoagulants in atrial fibrillation. *JAMA Neurol* 2013;70(12):1486-90.

[D148] Chatterjee S, Ghose A, Sharma A, Guha G, Mukherjee D, Frankel R. Comparing newer oral anti-platelets prasugrel and ticagrelor in reduction of ischemic events-evidence from a network meta-analysis. *J Thromb Thrombolysis* 2013;36(3):223-32.

[D149] Chatterjee S, Sardar P, Mukherjee D, Lichstein E, Aikat S. Timing and route of amiodarone for prevention of postoperative atrial fibrillation after cardiac surgery: a network regression meta-analysis. *Pacing Clin Electrophysiol* 2013;36(8):1017-23.

[D150] Landoni G, Greco T, Biondi-Zoccai G, Nigro Neto C, Febres D, Pintaudi M, et al. Anaesthetic drugs and survival: a Bayesian network meta-analysis of randomized trials in cardiac surgery. *Br J Anaesth* 2013;111(6):886-96.

[D151] Sardar P, Chatterjee S, Wu WC, Lichstein E, Ghosh J, Aikat S, Muhkerjee D. New oral anticoagulants are not superior to warfarin in secondary prevention of stroke or transient ischemic attacks, but lower the risk of intracranial bleeding: insights from a meta-analysis and indirect treatment comparisons. *PLoS One* 2013;8(10):e77694.

[D152] Testa L, Agnifili M, Latini RA, Mattioli R, Lanotte S, De Marco F, et al. Adjusted indirect comparison of new oral anticoagulants for stroke prevention in atrial fibrillation. *QJM* 2012;105(10):949-57.

[D153] Chen JM, Heran BS, Wright JM. Blood pressure lowering efficacy of diuretics as second-line therapy for primary hypertension. *Cochrane Database Syst Rev* 2009;(4):CD007187.

[D154] Chen JM, Heran BS, Perez MI, Wright JM. Blood pressure lowering efficacy of beta-blockers as second-line therapy for primary hypertension. *Cochrane Database Syst Rev* 2010;(1):CD007185.

[D155] Heran BS, Wong MM, Heran IK, Wright JM. Blood pressure lowering efficacy of angiotensin converting enzyme (ACE) inhibitors for primary hypertension. *Cochrane Database Syst Rev* 2008;(4):CD003823.

[D156] Heran BS, Wong MM, Heran IK, Wright JM. Blood pressure lowering efficacy of angiotensin receptor blockers for primary hypertension. *Cochrane Database Syst Rev* 2008;(4):CD003822.

[D157] Heran BS, Galm BP, Wright JM. Blood pressure lowering efficacy of alpha blockers for primary hypertension. *Cochrane Database Syst Rev* 2009;(4):CD004643.

[D158] Heran BS, Chen JM, Wang JJ, Wright JM. Blood pressure lowering efficacy of potassium-sparing diuretics (that block the epithelial sodium channel) for primary hypertension. *Cochrane Database Syst Rev* 2010;(1):CD008167.

[D159] Heran BS, Galm BP, Wright JM. Blood pressure lowering efficacy of alpha blockers for primary hypertension. *Cochrane Database Syst Rev* 2012;(8):CD004643.

[D160] Heran BS, Chen JM, Wang JJ, Wright JM. Blood pressure lowering efficacy of potassium-sparing diuretics (that block the epithelial sodium channel) for primary hypertension. Cochrane Database Syst Rev 2012;(11):CD008167.

[D161] Dewilde S, Hawkins N. Investigating incoherence gives insight: clopidogrel is equivalent to extended-release dipyridamole plus aspirin in secondary stroke prevention. *J Clin Epidemiol* 2012;65(8):835-45.

[D162] Gross JL, Kramer CK, Leitão CB, Hawkins N, Viana LV, Schaan BD, et al. Effect of antihyperglycemic agents added to metformin and a sulfonylurea on glycemic control and weight gain in type 2 diabetes: a network meta-analysis. *Ann Intern Med* 2011;154(10):672-9.

[D163] Khan N, Shah D, Tongbram V, Verdian L, Hawkins N. The efficacy and tolerability of perampanel and other recently approved anti-epileptic drugs for the treatment of refractory partial onset seizure: a systematic review and Bayesian network meta-analysis. *Curr Med Res Opin* 2013;29(8):1001-13.

[D164] Mealing S, Barcena L, Hawkins N, Clark J, Eaton V, Hirji I, Davis C. The relative efficacy of imatinib, dasatinib and nilotinib for newly diagnosed chronic myeloid leukemia: a systematic review and network meta-analysis. *Exp Hematol Oncol* 2013;2(1):5.

[D165] Reich K, Burden AD, Eaton JN, Hawkins NS. Efficacy of biologics in the treatment of moderate to severe psoriasis: a network meta-analysis of randomized controlled trials. *Br J Dermatol* 2012;166(1):179-88.

[D166] Scott DA, Boye KS, Timlin L, Clark JF, Best JH. A network meta-analysis to compare glycaemic control in patients with type 2 diabetes treated with exenatide once weekly or liraglutide once daily in comparison with insulin glargine, exenatide twice daily or placebo. *Diabetes Obes Metab* 2013;15(3):213-23.

[D167] Desai RJ, Hansen RA, Rao JK, Wilkins TM, Harden EA, Yuen A, et al. Mixed treatment comparison of the treatment discontinuations of biologic disease-modifying antirheumatic drugs in adults with rheumatoid arthritis. *Ann Pharmacother* 2012;46(11):1491-505.

[D168] Gartlehner G, Hansen RA, Jonas BL, Thieda P, Lohr KN. The comparative efficacy and safety of biologics for the treatment of rheumatoid arthritis: a systematic review and metaanalysis. *J Rheumatol* 2006;33(12):2398-408.

[D169] Gartlehner G, Hansen RA, Morgan LC, Thaler K, Lux L, Van Noord M, et al. Comparative benefits and harms of second-generation antidepressants for treating major depressive disorder: an updated meta-analysis. *Ann Intern Med* 2011;155(11):772-85.

[D170] Hansen RA, Gartlehner G, Webb AP, Morgan LC, Moore CG, Jonas DE. Efficacy and safety of donepezil, galantamine, and rivastigmine for the treatment of Alzheimer's disease: a systematic review and meta-analysis. *Clin Interv Aging* 2008;3(2):211-25.

[D171] Hansen RA, Gaynes BN, Gartlehner G, Moore CG, Tiwari R, Lohr KN. Efficacy and tolerability of second-generation antidepressants in social anxiety disorder. *Int Clin Psychopharmacol* 2008;23(3):170-9.

[D172] Signorovitch JE, Wu EQ, Yu AP, Gerrits CM, Kantor E, Bao Y, et al. Comparative effectiveness without head-to-head trials: a method for matching-adjusted indirect comparisons applied to psoriasis treatment with adalimumab or etanercept. *Pharmacoeconomics* 2010;28(10):935-45.

[D173] Signorovitch JE, Wu EQ, Swallow E, Kantor E, Fan L, Gruenberger JB. Comparative efficacy of vildagliptin and sitagliptin in Japanese patients with type 2 diabetes mellitus: a matching-adjusted indirect comparison of randomized trials. *Clin Drug Investig* 2011;31(9):665-74.

[D174] Signorovitch JE, Wu EQ, Betts KA, Parikh K, Kantor E, Guo A, et al. Comparative efficacy of nilotinib and dasatinib in newly diagnosed chronic myeloid leukemia: a matching-adjusted indirect comparison of randomized trials. *Curr Med Res Opin* 2011;27(6):1263-71.

[D175] Signorovitch J, Erder MH, Xie J, Sikirica V, Lu M, Hodgkins PS, Wu EQ. Comparative effectiveness research using matching-adjusted indirect comparison: an application to treatment with guanfacine extended release or atomoxetine in children with attention-deficit/hyperactivity disorder and comorbid oppositional defiant disorder. *Pharmacoepidemiol Drug Saf* 2012;21 Suppl 2:130-7.

[D176] Sikirica V, Findling RL, Signorovitch J, Erder MH, Dammerman R, Hodgkins P, et al. Comparative efficacy of guanfacine extended release versus atomoxetine for the treatment of attention-deficit/hyperactivity disorder in children and adolescents: applying matching-adjusted indirect comparison methodology. *CNS Drugs* 2013;27(11):943-53.

[D177] Ribeiro RA, Ziegelmann PK, Duncan BB, Stella SF, da Costa Vieira JL, Restelatto LM, et al. Impact of statin dose on major cardiovascular events: a mixed treatment comparison meta-analysis involving more than 175,000 patients. *Int J Cardiol* 2013;166(2):431-9.

[D178] Rotta I, Ziegelmann PK, Otuki MF, Riveros BS, Bernardo NL, Correr CJ. Efficacy of topical antifungals in the treatment of dermatophytosis: a mixed-treatment comparison meta-analysis involving 14 treatments. *JAMA Dermatol* 2013;149(3):341-9.

[D179] Sanches AC, Correr CJ, Venson R, Pontarolo R. Revisiting the efficacy of long-acting insulin analogues on adults with type 1 diabetes using mixed-treatment comparisons. *Diabetes Res Clin Pract* 2011;94(3):333-9.

[D180] Sanches ACC, Correr CJ, Venson R, Gonçalves PR, Garcia MM, Piantavini S, et al. Insulin analogues versus human insulin in type 1 diabetes: direct and indirect meta-analyses of efficacy and safety. *Braz J Pharm Sci* 2013;49(3):501-9.

[D181] Wiens A, Lenzi L, Venson R, Correr CJ, Rotta I, Pedroso ML, et al. Comparative efficacy of oral nucleoside or nucleotide analog monotherapy used in chronic hepatitis B: a mixed-treatment comparison meta-analysis. *Pharmacotherapy* 2013;33(2):144-51.

[D182] Anothaisintawee T, Attia J, Nickel JC, Thammakraisorn S, Numthavaj P, McEvoy M, et al. Management of chronic prostatitis/chronic pelvic pain syndrome: a systematic review and network meta-analysis. *JAMA* 2011;305(1):78-86.

[D183] Jones LJ, Craven PD, Attia J, Thakkinstian A, Wright I. Network meta-analysis of indomethacin versus ibuprofen versus placebo for PDA in preterm infants. *Arch Dis Child Fetal Neonatal Ed* 2011;96(1):F45-52.

[D184] Numthavaj P, Thakkinstian A, Dejthevaporn C, Attia J. Corticosteroid and antiviral therapy for Bell's palsy: a network meta-analysis. *BMC Neurol* 2011;11:1.

[D185] Thakkinstian A, Attia J, Anothaisintawee T, Nickel JC. α-blockers, antibiotics and anti-inflammatories have a role in the management of chronic prostatitis/chronic pelvic pain syndrome. *BJU Int* 2012;110(7):1014-22.

[D186] Vejakama P, Thakkinstian A, Lertrattananon D, Ingsathit A, Ngarmukos C, Attia J. Reno-protective effects of renin-angiotensin system blockade in type 2 diabetic patients: a systematic review and network meta-analysis. *Diabetologia* 2012;55(3):566-78.

[D187] Dranitsaris G, Jelincic V, Choe Y. Meta regression analysis to indirectly compare dalteparin to enoxaparin for the prevention of venous thromboembolic events following total hip replacement. *Thromb J* 2011;9(1):3.

[D188] Dranitsaris G, Jelincic V, Choe Y. Meta-regression analysis to indirectly compare prophylaxis with dalteparin or enoxaparin in patients at high risk for venous thromboembolic events. *Clin Appl Thromb Hemost* 2012;18(3):233-42.

[D189] Dranitsaris G, Schmitz S, Broom RJ. Small molecule targeted therapies for the second-line treatment for metastatic renal cell carcinoma: a systematic review and indirect comparison of safety and efficacy. *J Cancer Res Clin Oncol* 2013;139(11):1917-26.

[D190] Kieran J, Schmitz S, O'Leary A, Walsh C, Bergin C, Norris S, et al. The relative efficacy of boceprevir and telaprevir in the treatment of hepatitis C virus genotype 1. *Clin Infect Dis* 2013;56(2):228-35.

[D191] Schmitz S, Adams R, Walsh CD, Barry M, FitzGerald O. A mixed treatment comparison of the efficacy of anti-TNF agents in rheumatoid arthritis for methotrexate non-responders demonstrates differences between treatments: a Bayesian approach. *Ann Rheum Dis* 2012;71(2): 225-30.

[D192] Chou R, Fu R, Huffman LH, Korthuis PT. Initial highly-active antiretroviral therapy with a protease inhibitor versus a non-nucleoside reverse transcriptase inhibitor: discrepancies between direct and indirect meta-analyses. *Lancet* 2006;368(9546):1503-15.

[D193] Chou R, Carson S, Chan BK. Pegylated interferons for chronic hepatitis C virus infection: an indirect analysis of randomized trials. *J Viral Hepat* 2008;15(8):551-70.

[D194] Chou R, Carson S, Chan BK. Gabapentin versus tricyclic antidepressants for diabetic neuropathy and post-herpetic neuralgia: discrepancies between direct and indirect meta-analyses of randomized controlled trials. *J Gen Intern Med* 2009;24(2):178-88.

[D195] Norris SL, Carson S, Roberts C. Comparative effectiveness of pioglitazone and rosiglitazone in type 2 diabetes, prediabetes, and the metabolic syndrome: a meta-analysis. *Curr Diabetes Rev* 2007;3(2):127-40.

[D196] Peterson K, McDonagh MS, Fu R. Comparative benefits and harms of competing medications for adults with attention-deficit hyperactivity disorder: a systematic review and indirect comparison meta-analysis. *Psychopharmacology* 2008;197(1):1-11.

[D197] Chang JWC, Thongprasert S, Wright E, Tsang K, Kim HT, Ahn MJ, et al. An indirect comparison of bevacizumab plus cisplatin-gemcitabine and cisplatin plus pemetrexed treatment for patients with advanced first-line non-squamous non-small cell lung cancer in East Asia. *Asia Pac J Clin Oncol* 2011;7 Suppl 2:13-21.

[D198] Mickisch GHJ, Schwander B, Escudier B, Bellmunt J, Maroto Jp, Porta C, et al. Indirect treatment comparison of bevacizumab + interferon-α-2a vs tyrosine kinase inhibitors in first-line metastatic renal cell carcinoma therapy. *Clinicoecon Outcomes Res* 2011;3(1):19-27.

[D199] Nuijten M, Heigener DF, Bischoff HG, Chouaid C, Vergnenègre A, de Castro Carpeño J, et al. Effectiveness of bevacizumab- and pemetrexed-cisplatin treatment for patients with advanced non-squamous non-small cell lung cancer. *Lung Cancer* 2010;69 Suppl 1):S4-10.

[D200] Nuijten MJ, Aultman R, Carpeño Jde C, Vergnenègre A, Chouaid C, Walzer S, et al. An indirect comparison of the efficacy of bevacizumab plus carboplatin and paclitaxel versus pemetrexed with cisplatin in patients with advanced or recurrent non-squamous adenocarcinoma non-small cell lung cancer. *Curr Med Res Opin* 2011;27(11):2193-201.

[D201] Liao WC, Chien KL, Lin YL, Wu MS, Lin JT, Wang HP, et al. Adjuvant treatments for resected pancreatic adenocarcinoma: a systematic review and network meta-analysis. *Lancet Oncol* 2013;14(11):1095-103.

[D202] Liu SC, Tu YK, Chien MN, Chien KL. Effect of antidiabetic agents added to metformin on glycaemic control, hypoglycaemia and weight change in patients with type 2 diabetes: a network meta-analysis. *Diabetes Obes Metab* 2012;14(9):810-20.

[D203] Wu HY, Huang JW, Lin JH, Liao WC, Peng YS, Hung KY, et al. Comparative effectiveness of renin-angiotensin system blockers and other antihypertensive drugs in patients with diabetes: systematic review and bayesian network meta-analysis. *BMJ* 2013;347:f6008.

[D204] Wu MS, Tan SC, Xiong T. Indirect comparison of randomised controlled trials: comparative efficacy of dexlansoprazole vs. esomeprazole in the treatment of gastro-oesophageal reflux disease. *Aliment Pharmacol Ther* 2013;38(2):190-201.

[D205] Bakalos G, Miligkos M, Doxani C, Mpoulimari I, Rodopoulou P, Zintzaras E. Assessing the relative effectiveness and tolerability of treatments in small cell lung cancer: a network meta-analysis. *Cancer Epidemiol* 2013;37(5):675-82.

[D206] Hadjigeorgiou GM, Doxani C, Miligkos M, Ziakas P, Bakalos G, Papadimitriou D, et al. A network meta-analysis of randomized controlled trials for comparing the effectiveness and safety profile of treatments with marketing authorization for relapsing multiple sclerosis. *J Clin Pharm Ther* 2013;38(6):433-9.

[D207] Zintzaras E, Doxani Mprotsis T, Schmid CH, Hadjigeorgiou GM. Network analysis of randomized controlled trials in multiple sclerosis. *Clin Ther* 2012;34(4):857-69.e9.

[D208] Ziogas DC, Voulgarelis M, Zintzaras E. A network meta-analysis of randomized controlled trials of induction treatments in acute myeloid leukemia in the elderly. *Clin Ther* 2011;33(3):254-79.

[D209] Kumar A, Hozo I, Wheatley K, Djulbegovic B. Thalidomide versus bortezomib based regimens as first-line therapy for patients with multiple myeloma: a systematic review. *Am J Hematol* 2011;86(1):18-24.

[D210] Mhaskar R, Redzepovic J, Wheatley K, Clark OA, Miladinovic B, Glasmacher A, et al. Bisphosphonates in multiple myeloma. *Cochrane Database Syst Rev* 2010;(3):CD003188.

[D211] Mhaskar R, Redzepovic J, Wheatley K, Clark OA, Miladinovic B, Glasmacher A, et al., Bisphosphonates in multiple myeloma: a network meta-analysis. *Cochrane Database Syst Rev* 2012;(5):CD003188.

[D212] Terasawa T, Trikalinos NA, Djulbegovic B, Trikalinos TA. Comparative efficacy of first-line therapies for advanced-stage chronic lymphocytic leukemia: a multiple-treatment meta-analysis. *Cancer Treat Rev* 2013;39(4):340-9.

[D213] Cheng MM, Goulart B, Veenstra Dl, Blough DK, Devine EB. A network meta-analysis of therapies for previously untreated chronic lymphocytic leukemia. *Cancer Treat Rev* 2012;38(8):1004-11.

[D214] Devine EB, Alfonso-Cristancho R, Sullivan SD. Effectiveness of biologic therapies for rheumatoid arthritis: an indirect comparisons approach. *Pharmacotherapy* 2011;31(1):39-51.

[D215] Lin VW, Ringold S, Devine EB. Comparison of ustekinumab with other biological agents for the treatment of moderate to severe plaque psoriasis: a Bayesian network meta-analysis. *Arch Dermatol* 2012;148(12):1403-10.

[D216] Ney JP, Devine EB, Watanabe JH, Sullivan SD. Comparative efficacy of oral pharmaceuticals for the treatment of chronic peripheral neuropathic pain: meta-analysis and indirect treatment comparisons. *Pain Med* 2013;14(5):706-19.

[D217] Migliore A, Bizzi E, Broccoli S, Laganà B. Indirect comparison of etanercept, infliximab, and adalimumab for psoriatic arthritis: mixed treatment comparison using placebo as common comparator. *Clin Rheumatol* 2012;31(1):133-7.

[D218] Migliore A, Broccoli S, Massafra U, Bizzi E, Frediani B. Mixed-treatment comparison of anabolic (teriparatide and PTH 1-84) therapies in women with severe osteoporosis. *Curr Med Res Opin* 2012;28(3):467-73.

[D219] Migliore A, Broccoli S, Bizzi E, Laganà B. Indirect comparison of the effects of anti-TNF biological agents in patients with ankylosing spondylitis by means of a mixed treatment comparison performed on efficacy data from published randomised, controlled trials. *J Med Econ* 2012;15(3):473-80.

[D220] Migliore A, Broccoli S, Massafra U, Cassol M, Frediani B. Ranking antireabsorptive agents to prevent vertebral fractures in postmenopausal osteoporosis by mixed treatment comparison meta-analysis. *Eur Rev Med Pharmacol Sci* 2013;17(5):658-67.

[D221] Wilhelmus KR. The treatment of herpes simplex virus epithelial keratitis. *Trans Am Ophthalmol Soc* 2000;98:505-32.

[D222] Wilhelmus KR. Therapeutic interventions for herpes simplex virus epithelial keratitis. *Cochrane Database Syst Reviews* 2007;(1):CD002898.

[D223] Wilhelmus KR. Therapeutic interventions for herpes simplex virus epithelial keratitis. *Cochrane Database Syst Rev* 2008;(1):CD002898.

[D224] Wilhelmus KR. Antiviral treatment and other therapeutic interventions for herpes simplex virus epithelial keratitis. *Cochrane Database Syst Rev* 2010;(12):CD002898.

[D225] Coomarasamy A, Knox EM, Gee H, Song F, Khan KS. Effectiveness of nifedipine versus atosiban for tocolysis in preterm labour: a meta-analysis with an indirect comparison of randomised trials. *BJOG* 2003;110(12):1045-9.

[D226] Lim E, Ali Z, Ali A, Routledge T, Edmonds L, Altman DG, et al. Indirect comparison meta-analysis of aspirin therapy after coronary surgery. *BMJ* 2003;327(7427):1309-11.

[D227] Lim E, Harris G, Patel A, Adachi I, Edmonds L, Song F. Preoperative versus postoperative chemotherapy in patients with resectable non-small cell lung cancer systematic review and indirect comparison meta-analysis of randomized trials. *J Thorac Oncol* 2009;4(11): 1380-8.

[D228] Bansback N, Sizto S, Sun H, Feldman S, Willian MK, Anis A. Efficacy of systemic treatments for moderate to severe plaque psoriasis: systematic review and meta-analysis. *Dermatology* 2009;219(3):209-18.

[D229] Nixon R, Bansback N, Brennan A. The efficacy of inhibiting tumour necrosis factor alpha and interleukin 1 in patients with rheumatoid arthritis: a meta-analysis and adjusted indirect comparisons. *Rheumatology* 2007;46(7):1140-7.

[D230] Nixon RM, Bansback N, Brennan A. Using mixed treatment comparisons and meta-regression to perform indirect comparisons to estimate the efficacy of biologic treatments in rheumatoid arthritis. *Stat Med* 2007;26(6):1237-54.

[D231] Jandhyala R. Relative potency of incobotulinumtoxinA vs onabotulinumtoxinA a meta-analysis of key evidence. *J Drugs Dermatol* 2012;11(6):731-6.

[D232] Jandhyala R, Fullarton JR, Bennett MI. Efficacy of rapid-onset oral fentanyl formulations vs. oral morphine for cancer-related breakthrough pain: a meta-analysis of comparative trials. *J Pain Symptom Manage* 2013;46(4):573-80.

[D233] Palmieri C, Fullarton JR, Brown J. Comparative efficacy of bisphosphonates in metastatic breast and prostate cancer and multiple myeloma: a mixed-treatment meta-analysis. *Clin Cancer Res* 2013;19(24):6863-72.

[D234] Di Lorenzo G, Casciano R, Malangone E, Buonerba C, Sherman S, Willet J, et al. An adjusted indirect comparison of everolimus and sorafenib therapy in sunitinib-refractory metastatic renal cell carcinoma patients using repeated matched samples. *Expert Opin Pharmacother* 2011;12(10):1491-7.

[D235] Thompson Coon JS, Liu Z, Hoyle M, Rogers G, Green C, Moxham T, et al. Sunitinib and bevacizumab for first-line treatment of metastatic renal cell carcinoma: a systematic review and indirect comparison of clinical effectiveness. *Br J Cancer* 2009;101(2):238-43.

[D236] Bodalia PN, Grosso AM, Sofat R, Macallister RJ, Smeeth L, Dhillon S, et al. Comparative efficacy and tolerability of anti-epileptic drugs for refractory focal epilepsy: systematic review and network meta-analysis reveals the need for long term comparator trials. *Br J Clin Pharmacol* 2013;76(5):649-67.

[D237] Samarasekera EJ, Sawyer L, Wonderling D, Tucker R, Smith CH. Topical therapies for the treatment of plaque psoriasis: systematic review and network meta-analyses. *Br J Dermatol* 2013;168(5):954-67.

[D238] Yuan J, Liu Y, Yang Z, Qin X, Yang K, Mao C. The efficacy and safety of alpha-1 blockers for benign prostatic hyperplasia: an overview of 15 systematic reviews. *Curr Med Res Opin* 2013;29(3):279-87.

[D239] Yuan JQ, Zhang R, Yang Z, Lee J, Liu Y, Tian J, et al. Comparative effectiveness and safety of oral phosphodiesterase type 5 inhibitors for erectile dysfunction: a systematic review and network meta-analysis. *Eur Urol* 2013;63(5):902-12.

[D240] Psaty BM, Lumley T, Furberg CD, Schellenbaum G, Pahor M, Alderman MH, et al. Health outcomes associated with various antihypertensive therapies used as first-line agents: a network meta-analysis. *JAMA* 2003;289(19):2534-44.

[D241] van der Valk R, Webers CA, Lumley T, Hendrikse F, Prins MH, Schouten JS. A network meta-analysis combined direct and indirect comparisons between glaucoma drugs to rank effectiveness in lowering intraocular pressure. *J Clin Epidemiol* 2009;62(12):1279-83.

[D242] Ford JA, Elders A, Shyangdan D, Royle P, Waugh N. The relative clinical effectiveness of ranibizumab and bevacizumab in diabetic macular oedema: an indirect comparison in a systematic review. *BMJ* 2012;345:e5182.

[D243] Ford JA, Jones R, Elders A, Mulatero C, Royle P, Sharma P, et al. Denosumab for treatment of bone metastases secondary to solid tumours: systematic review and network meta-analysis. *Eur J Cancer* 2013;49(2):416-30.

[D244] Dretzke J, Meadows A, Novielli N, Huissoon A, Fry-Smith A, Meads C. Subcutaneous and sublingual immunotherapy for seasonal allergic rhinitis: a systematic review and indirect comparison. *J Allergy Clin Immunol* 2013;131(5):1361-6.

[D245] Virgili G, Novielli N, Menchini F, Murro V, Giacomelli G. Pharmacological treatments for neovascular age-related macular degeneration: can mixed treatment comparison meta-analysis be useful? *Curr Drug Targets* 2011;12(2):212-20.

[D246] Fénix-Caballero S, Alegre-del Rey EJ, Castaño-Lara R, Puigventós-Latorre F, Borrero-Rubio JM, López-Vakkehi JF. Direct and indirect comparison of the efficacy and safety of adalimumab, etanercept, infliximab and golimumab in psoriatic arthritis. *J Clin Pharm Ther* 2013;38(4):286-93.

[D247] Gallego-Galisteo M, Villa-Rubio A, Alegre-del Rey E, Márquez-Fernáandez E, Ramos-Báez JJ. Indirect comparison of biological treatments in refractory rheumatoid arthritis. *J Clin Pharm Ther* 2012;37(3):301-7.

[D248] Germani G, Pleguezuelo M, Gurusamy K, Meyer T, Isgrò G, Burroughs AK. Clinical outcomes of radiofrequency ablation, percutaneous alcohol and acetic acid injection for hepatocelullar carcinoma: a meta-analysis. *J Hepatol* 2010;52(3):380-8.

[D249] Gurusamy KS, Pissanou T, Pikhart H, Vaughan J, Burroughs AK, Davidson BR. Methods to decrease blood loss and transfusion requirements for liver transplantation. *Cochrane Database Syst Rev* 2011;(12):CD009052.

[D250] Sultana A, Ghaneh P, Cunningham D, Starling N, Neoptolemos JP, Smith CT. Gemcitabine based combination chemotherapy in advanced pancreatic cancer-indirect comparison. *BMC Cancer* 2008;8:192.

[D251] Tudur Smith C, Marson AG, Chadwick DW, Williamson PR. Multiple treatment comparisons in epilepsy monotherapy trials. Trials 2007;8:34.

[D252] Caldeira D, Alarcão J, Vaz-Carneiro A, Costa J. Risk of pneumonia associated with use of angiotensin converting enzyme inhibitors and angiotensin receptor blockers: systematic review and meta-analysis. *BMJ* 2012;345:e4260.

[D253] Costa J, Fareleira F, Ascenção R, Borges M, Sampaio C, Vaz-Carneiro A. Clinical comparability of the new antiepileptic drugs in refractory partial epilepsy: a systematic review and meta-analysis. *Epilepsia* 2011;52(7):1280-91.

[D254] Del Santo F, Maratea D, Fadda V, Trippoli S, Messori A. Treatments for relapsing-remitting multiple sclerosis: summarising current information by network meta-analysis. *Eur J Clin Pharmacol* 2012;68(4):441-8.

[D255] Zaccara G, Giovannelli F, Maratea D, Fadda V, Verrotti A. Neurological adverse events of new generation sodium blocker antiepileptic drugs. Meta-analysis of randomized, double-blinded studies with eslicarbazepine acetate, lacosamide and oxcarbazepine. *Seizure* 2013;22(7):528-36.

[D256] Dumville JC, Soares MO, O'Meara S, Cullum N. Systematic review and mixed treatment comparison: dressings to heal diabetic foot ulcers. *Diabetologia* 2012;55(7):1902-10.

[D257] Dumville JC, McFarlane E, Edwards P, Lipp A, Holmes A. Preoperative skin antiseptics for preventing surgical wound infections after clean surgery. Cochrane Database Syst Rev 2013;(3):CD003949.

[D258] Gagne JJ, Bykov K, Choudhry NK, Toomey TJ, Connolly JG, Avorn J. Effect of smoking on comparative efficacy of antiplatelet agents: Systematic review, meta-analysis, and indirect comparison. *BMJ* 2013;347(7927):f5307.

[D259] Schneeweiss S, Gagne JJ, Patrick AR, Choudhry NK, Avorn J. Comparative efficacy and safety of new oral anticoagulants in patients with atrial fibrillation. *Circ Cardiovasc Qual Outcomes* 2012;5(4):480-6.

[D260] Sun F, Yu K, Wu S, Zhang Y, Yang Z, Shi L, et al. Cardiovascular safety and glycemic control of glucagon-like peptide-1 receptor agonists for type 2 diabetes mellitus: a pairwise and network meta-analysis. *Diabetes Res Clin Pract* 2012;98(3):386-95.

[D261] Sun F, Yu K, Yang Z, Wu S, Zhang Y, Shi L, et al. Impact of GLP-1 receptor agonists on major gastrointestinal disorders for type 2 diabetes mellitus: a mixed treatment comparison meta-analysis. *Exp Diabetes Res* 2012;2012:230624.

[D262] Levi Marpillat N, Macquin-Mavier I, Tropeano AI, Bachoud-Levi AC, Maison P. Antihypertensive classes, cognitive decline and incidence of dementia: a network meta-analysis. *J Hypertens* 2013;31(6):1073-82.

[D263] Tropeano AI, Saleh N, Hawajri N, Macquin-Mavier I, Maison P. Do all antihypertensive drugs improve carotid intima-media thickness? A network meta-analysis of randomized controlled trials. *Fundam Clin Pharmacol* 2011;25(3):395-404.

[D264] Assiri A, Al-Majzoub O, Kanaan AO, Donovan JL, Silva M. Mixed treatment comparison meta-analysis of aspirin, warfarin, and new anticoagulants for stroke prevention in patients with nonvalvular atrial fibrillation. *Clin Ther* 2013;35(7):967-84.

[D265] Malloy RJ, Kanaan AO, Silva MA, Donovan JL. Evaluation of antiplatelet agents for secondary prevention of stroke using mixed treatment comparison meta-analysis. *Clin Ther* 2013;35(10):1490-500.

[D266] Lee YH, Ji JD, Song GG. Adjusted indirect comparison of celecoxib versus rofecoxib on cardiovascular risk. *Rheumatol Int* 2007;27(5):477-82.

[D267] Lee YH, Woo JH, Rho YH, Choi SJ, Ji JD, Song GG. Meta-analysis of the combination of TNF inhibitors plus MTX compared to MTX monotherapy, and the adjusted indirect comparison of TNF inhibitors in patients suffering from active rheumatoid arthritis. *Rheumatol Int* 2008;28(6):553-9.

[D268] Bolaños R, Francia J. Isoflavones versus hormone therapy for reduction of vertebral fracture risk: indirect comparison. Menopause 2010;17(6):1201-5.

[D269] Bolaños-Diaz R, Zavala-Gonzales JC, Mezones-Holguín E, Francia-Romero J. Soy extracts versus hormone therapy for reduction of menopausal hot flushes: indirect comparison. *Menopause* 2011;18(7):825-9.

[D270] Kabra SK, Lodha R, Pandey RM. Antibiotics for community acquired pneumonia in children. *Cochrane Database Syst Rev* 2006;(3):CD004874.

[D271] Kabra SK, Lodha R, Pandey RM. Antibiotics for community-acquired pneumonia in children. *Cochrane Database Syst Rev* 2010;(3):CD004874.

[D272] Abdullah AK, Khan S. Relative oral corticosteroid-sparing effect of 7 inhaled corticosteroids in chronic asthma: a meta-analysis. *Ann Allergy Asthma Immunol* 2008;101(1):74-81.

[D273] Baldwin D, Woods R, Lawson R, Taylor D. Efficacy of drug treatments for generalised anxiety disorder: systematic review and meta-analysis. *BMJ* 2011;342:d1199.

[D274] Bally M, Dendukuri N, Sinclair A, Ahern SP, Poisson M, Brophy J. A network meta-analysis of antibiotics for treatment of hospitalised patients with suspected or proven meticillin-resistant Staphylococcus aureus infection. *Int J Antimicrob Agents* 2012;40(6):479-95.

[D275] Bangalore S, Kumar S, Kjeldsen SE, Makani H, Grossman E, Wettersley J, et al. Antihypertensive drugs and risk of cancer: network meta-analyses and trial sequential analyses of 324,168 participants from randomised trials. *Lancet Oncol* 2011;12(1):65-82.

[D276] Bansal M, Farrugia A, Balboni S, Martin G. Relative survival benefit and morbidity with fluids in severe sepsis - a network meta-analysis of alternative therapies. *Curr Drug Saf* 2013;8(4):236-45.

[D277] Bash LD, Buono JL, Davies GM, Martin A, Fahrbach K, Phatak H, et al. Systematic review and meta-analysis of the efficacy of cardioversion by vernakalant and comparators in patients with atrial fibrillation. *Cardiovasc Drugs Ther* 2012;26(2):167-79.

[D278] Berner MM, Kriston L, Harms A. Efficacy of PDE-5-inhibitors for erectile dysfunction. A comparative meta-analysis of fixed-dose regimen randomized controlled trials administering the International Index of Erectile Function in broad-spectrum populations. *Int J Impot Res* 2006;18(3):229-35.

[D279] Bicket MC, Gupta A, Brown CH 4th, Cohen SP. Epidural injections for spinal pain: a systematic review and meta-analysis evaluating the "control" injections in randomized controlled trials. *Anesthesiology* 2013;119(4):907-31.

[D280] Blanchard P, Hill C, Guihenneuc-Jouyaux C, Baey C, Bourhis J, Pignon JP, et al. Mixed treatment comparison meta-analysis of altered fractionated radiotherapy and chemotherapy in head and neck cancer. *J Clin Epidemiol* 2011;64(9):985-92.

[D281] Boonen S, Lips P, Bouillon R, Bischoff-Ferrari HA, Vanderschueren D, Haentjens P. Need for additional calcium to reduce the risk of hip fracture with vitamin d supplementation: evidence from a comparative metaanalysis of randomized controlled trials. *J Clin Endocrinol Metab* 2007;92(4):1415-23.

[D282] Brigo F, Igwe SC, Nardone R, Tezzon F, Bongiovanni LG, Trinka E. A common reference-based indirect comparison meta-analysis of intravenous valproate versus intravenous phenobarbitone for convulsive status epilepticus. *Epileptic Disord* 2013;15(3):314-23.

[D283] Cahill K, Stevens S, Perera R, Lancaster T. Pharmacological interventions for smoking cessation: an overview and network meta-analysis. *Cochrane Database Syst Rev* 2013;(5):CD009329.

[D284] Carter B, Fedorowicz Z. Antiemetic treatment for acute gastroenteritis in children: an updated Cochrane systematic review with meta-analysis and mixed treatment comparison in a Bayesian framework. *BMJ Open* 2012;2(4):e000622.

[D285] Cates CJ, Oleszczuk M, Stovold E, Wieland LS. Safety of regular formoterol or salmeterol in children with asthma: an overview of Cochrane reviews. *Cochrane Database Syst Rev* 2012;10:CD010005.

[D286] Cawston H, Davie A, Paget MA, Sklijarevski V, Happich M. Efficacy of duloxetine versus alternative oral therapies: an indirect comparison of randomised clinical trials in chronic low back pain. *Eur Spine J* 2013;22(9):1996-2009.

[D287] Chapell R, Gould AL, Alexander CM. Baseline differences in A1C explain apparent differences in efficacy of sitagliptin, rosiglitazone and pioglitazone. Diabetes Obes Metab 2009;11(11):1009-16.

[D288] Coleman KA, Xavier VY, Palmer TL, Meaney JV, Randalj LM, Canny LM. An indirect comparison of the efficacy and safety of desvenlafaxine and venlafaxine using placebo as the common comparator. *CNS Spectr* 2012;17(3):131-41.

[D289] Conde-Agudelo A, Romero R, Nicolaides K, Chaiworapongsa T, O'Brien JM, Cetingoz E, et al. Vaginal progesterone vs. cervical cerclage for the prevention of preterm birth in women with a sonographic short cervix, previous preterm birth, and singleton gestation: a systematic review and indirect comparison metaanalysis. *Am J Obstet Gynecol* 2013;208(1):42.e1-42.e18.

[D290] Cooper KL, Fitzgerald P, Dillingham K, Helme K, Akehurst R. Romiplostim and eltrombopag for immune thrombocytopenia: methods for indirect comparison. *Int J Technol Assess Health Care* 2012;28(3):249-58.

[D291] Cota GF, de Sousa MR, Fereguetti TO, Rabello A. Efficacy of anti-leishmania therapy in visceral leishmaniasis among HIV infected patients: a systematic review with indirect comparison. *PLoS Negl Trop Dis* 2013;7(5):e2195.

[D292] Cure S, Diels J, Gavart S, Bianic F, Jones E. Efficacy of telaprevir and boceprevir in treatment-naive and treatment-experienced genotype 1 chronic hepatitis C patients: an indirect comparison using Bayesian network meta-analysis. *Curr Med Res Opin* 2012;28(11):1841-56.

[D293] Danchin N, Marzilli M, Parkhomenko A, Ribeiro JP. Efficacy comparison of trimetazidine with therapeutic alternatives in stable angina pectoris: a network meta-analysis. *Cardiology* 2011;120(2):59-72.

[D294] Datto C, Hellmund R, Siddiqui MK. Efficacy and tolerability of naproxen/esomeprazole magnesium tablets compared with non-specific NSAIDs and COX-2 inhibitors: a systematic review and network analyses. *Open Access Rheumatol* 2013;5:1-19.

[D295] de Menezes GB, Coutinho ES, Fontenelle LF, Vigne P, Figueira I, Versiani M. Second-generation antidepressants in social anxiety disorder: meta-analysis of controlled clinical trials. *Psychopharmacology* 2011;215(1):1-11.

[D296] Delahoy P, Thompson S, Marschner IC. Pregabalin versus gabapentin in partial epilepsy: a meta-analysis of dose-response relationships. *BMC Neurol* 2010;10:104.

[D297] Dong YH, Lin HH, Shau WY, Wu YC, Chang CH, Lai MS. Comparative safety of inhaled medications in patients with chronic obstructive pulmonary disease: systematic review and mixed treatment comparison meta-analysis of randomised controlled trials. *Thorax* 2013;68(1):48-56.

[D298] Elliott WJ, Meyer PM. Incident diabetes in clinical trials of antihypertensive drugs: a network meta-analysis. Lancet 2007;369(9557):201-7.

[D299] Engelman E, Salengros JC, Barvais L. How much does pharmacologic prophylaxis reduce postoperative vomiting in children? Calculation of prophylaxis effectiveness and expected incidence of vomiting under treatment using Bayesian meta-analysis. *Anesthesiol* 2008;109(6):1023-35.

[D300] Fang Y, Ding Y, Guo Q, Xing J, Long Y, Zong Z. Radioiodine therapy for patients with differentiated thyroid cancer after thyroidectomy: direct comparison and network meta-analyses. *J Endocrinol Invest* 2013;36(10):896-902.

[D301] Fountoulakis KN, Veroniki AA, Siamouli M, Möller HJ. No role for initial severity on the efficacy of antidepressants: results of a multi-meta-analysis. *Ann Gen Psychiatry* 2013;12(1):26.

[D302] Fretheim A, Odgaard-Jensen J, Brørs O, Madsen S, Njølstad I, Norheim OF, et al. Comparative effectiveness of antihypertensive medication for primary prevention of

cardiovascular disease: systematic review and multiple treatments meta-analysis. *BMC Med* 2012;10:33.

[D303] Galvan-Banqueri M, Marin Gil R, Santos Ramos B, Bautista Paloma FJ. Biological treatments for moderate-to-severe psoriasis: indirect comparison. *J Clin Pharm Ther* 2013;38(2):121-30.

[D304] Gao L, Xia L, Zhao FL, Li SC. Clinical efficacy and safety of the newer antiepileptic drugs as adjunctive treatment in adults with refractory partial-onset epilepsy: a meta-analysis of randomized placebo-controlled trials. *Epilepsy Res* 2013;103(1):31-44.

[D305] Ginés J, Sabater E, Martorell C, Grau M, Monroy M, Casado MA. Efficacy of taxanes as adjuvant treatment of breast cancer: a review and meta-analysis of randomised clinical trials. Clin Transl Oncol 2011;13(7):485-98.

[D306] Gómez-Outes A, Terleira-Fernández AI, Suárez-Gea ML, Vargas-Castrillón E. Dabigatran, rivaroxaban, or apixaban versus enoxaparin for thromboprophylaxis after total hip or knee replacement: systematic review, meta-analysis, and indirect treatment comparisons. *BMJ* 2012;344(7863):e3675.

[D307] Goralczyk AD, Cameron S, Amanzada A. Treatment of chronic HCV genotype 1 infection with telaprevir: a Bayesian mixed treatment comparison of fixed-length and response-guided treatment regimens in treatment-naive and -experienced patients. *BMC Gastroenterol* 2013;13(1):148.

[D308] Gupta AK, Paquet M. Network meta-analysis of the outcome 'participant complete clearance' in nonimmunosuppressed participants of eight interventions for actinic keratosis: a follow-up on a Cochrane review. *Br J Dermatol* 2013;169(2):250-9.

[D309] Hoaglin DC, Filonenko A, Glickman ME, Wasiak R, Gidwani R. Use of mixed-treatment-comparison methods in estimating efficacy of treatments for heavy menstrual bleeding. *Eur J Med Res* 2013;18(1):17.

[D310] Hofmeyr GJ, Gülmezoglu AM, Novikova N, Linder V, Ferreira S, Piaggio G. Misoprostol to prevent and treat postpartum haemorrhage: a systematic review and meta-analysis of maternal deaths and dose-related effects. *Bull World Health Organ* 2009;87(9):666-77.

[D311] Jalota L, Kalira V, George E, Shi YY, Hornuss C, Radke O, et al. Prevention of pain on injection of propofol: systematic review and meta-analysis. *BMJ* 2011;342:d1110.

[D312] Kalil AC, Mindru C, Florescu DF. Effectiveness of valganciclovir 900 mg versus 450 mg for cytomegalovirus prophylaxis in transplantation: direct and indirect treatment comparison meta-analysis. *Clin Infect Dis* 2011;52(3):313-21.

[D313] Karabis A, Lindner L, Mocarski M, Huisman E, Greening A. Comparative efficacy of aclidinium versus glycopyrronium and tiotropium, as maintenance treatment of moderate to severe COPD patients: a systematic review and network meta-analysis. *Int J Chron Obstruct Pulmon Dis* 2013;8:405-23.

[D314] Klemp M, Tvete IF, Skomedal T, Gaasemyr J, Natvig B, Aursnes I. A review and Bayesian meta-analysis of clinical efficacy and adverse effects of 4 atypical neuroleptic drugs compared with haloperidol and placebo. *J Clin Psychopharmacol* 2011;31(6):698-704.

[D315] Kotzé A, Scally A, Howell S. Efficacy and safety of different techniques of paravertebral block for analgesia after thoracotomy: a systematic review and metaregression. Br J Anaesth 2009;103(5):626-36.

[D316] Launois R, Avouac B, Berenbaum F, Blin O, Bru I, Fautrel B, et al. Comparison of certolizumab pegol with other anticytokine agents for treatment of rheumatoid arthritis: a multiple-treatment Bayesian metaanalysis. *J Rheumatol* 2011;38(5):835-45.

[D317] Law MR, Wald NJ, Morris JK, Jordan RE. Value of low dose combination treatment with blood pressure lowering drugs: analysis of 354 randomised trials. *BMJ* 2003;326(7404):1427-31.

[D318] Leung HW, Chan AL. Multikinase inhibitors in metastatic renal cell carcinoma: indirect comparison meta-analysis. *Clin Ther* 2011;33(6):708-16.

[D319] Levy AR, Johnston KM, Sambrook J, Donato B, Penrod JR, Corral M, et al. Indirect comparison of the efficacy of cetuximab and cisplatin in squamous cell carcinoma of the head and neck. *Curr Med Res Opin* 2011;27(12):2253-9.

[D320] Liu JL, Dong J, Wang L, Su Y, Yan P, Sun S. Comparative efficacy and acceptability of antidepressants in Parkinson's disease: a network meta-analysis. *Plos One* 2013;8(10):e76651.

[D321] Mantha S, Ansell J. An indirect comparison of dabigatran, rivaroxaban and apixaban for atrial fibrillation. *Thromb Haemost* 2012;108(3):476-84.

[D322] Martyn-St James M, Glanville J, McCool R, Duffy S, Cooper J, Hugel P, et al. The efficacy and safety of retigabine and other adjunctive treatments for refractory partial epilepsy: a systematic review and indirect comparison. *Seizure* 2012;21(9):665-78.

[D323] Maund E, McDaid C, Rice S, Wright K, Jenkins B, Woolacott N. Paracetamol and selective and non-selective non-steroidal anti-inflammatory drugs for the reduction in morphine-related side-effects after major surgery: a systematic review. *Br J Anaesth* 2011;106(3):292-7.

[D324] Meader N. A comparison of methadone, buprenorphine and alpha2 adrenergic agonists for opioid detoxification: a mixed treatment comparison meta-analysis. Drug Alcohol Depend 2010;108(1-2):110-4.

[D325] Menzies D, Benedetti A, Paydar A, Martin I, Royce S, Pai M, et al. Effect of duration and intermittency of rifampin on tuberculosis treatment outcomes: a systematic review and meta-analysis. *PLoS Med* 2009;6(9):e1000146.

[D326] Mösges R, Nematian-Samani M, Hellmich M, Shah-Hosseini K. A meta-analysis of the efficacy of quinolone containing otics in comparison to antibiotic-steroid combination drugs in the local treatment of otitis externa. *Curr Med Res Opin* 2011;27(10):2053-60.

[D327] Ollendorf DA, Colby JA, Pearson SD. Comparative effectiveness of anti-vegf agents for diabetic macular edema. *Int J Technol Assess Health Care* 2013;29(4):392-401.

[D328] Otoul C, Arrigo C, van Rijckevorsel K, French JA. Meta-analysis and indirect comparisons of levetiracetam with other second-generation antiepileptic drugs in partial epilepsy. *Clin Neuropharmacol* 2005;28(2):72-8.

[D329] Otten MH, Anink J, Spronk S, van Suijlekom-Smit LW. Efficacy of biological agents in juvenile idiopathic arthritis: a systematic review using indirect comparisons. Ann Rheum Dis 2013;72(11):1806-12.

[D330] Owen A. Antithrombotic treatment for the primary prevention of stroke in patients with non valvular atrial fibrillation: a reappraisal of the evidence and network meta analysis. *Int J Cardiol* 2010;142(3):218-23.

[D331] Packer M, Antonopoulos GV, Berlin JA, Chittams J, Konstam MA, Udelson JE. Comparative effects of carvedilol and metoprolol on left ventricular election fraction in heart failure: results of a meta-analysis. *Am Heart J* 2001;141(6):899-907.

[D332] Piccini JP, Hasselblad V, Peterson ED, Washam JB, Califf RM, Kong DF. Comparative efficacy of dronedarone and amiodarone for the maintenance of sinus rhythm in patients with atrial fibrillation. *J Am Coll Cardiol* 2009;54(12):1089-95.

[D333] Pink J, Pirmohamed M, Hughes DA. Comparative effectiveness of dabigatran, rivaroxaban, apixaban, and warfarin in the management of patients with nonvalvular atrial fibrillation. Clin Pharmacol Ther 2013;94(2):269-76.

[D334] Qi WX, Tang LN, He AN, Shen Z, Lin F, Yao Y. Erlotinib and pemetrexed as maintenance therapy for advanced non-small-cell lung cancer: a systematic review and indirect comparison. *Curr Med Res Opin* 2012;28(4):643-50.

[D335] Robenshtok E, Gafter-Gvili A, Goldberg E, Weinberger M, Yeshurun M, Leibovici L, et al. Antifungal prophylaxis in cancer patients after chemotherapy or hematopoietic stem-cell transplantation: systematic review and meta-analysis. *J Clin Oncol* 2007;25(34):5471-89.

[D336] Ronellenfitsch U, Schwarzbach M, Hofheinz R, Kienle P, Kieser M, Slanger TE, et al. Preoperative chemo(radio)therapy versus primary surgery for gastroesophageal adenocarcinoma: systematic review with meta-analysis combining individual patient and aggregate data. *Eur J Cancer* 2013;49(15):3149-58.

[D337] Roush GC, Holford TR, Guddati AK. Chlorthalidone compared with hydrochlorothiazide in reducing cardiovascular events: systematic review and network meta-analyses. *Hypertension* 2012;59(6):1110-7.

[D338] Rudroju N, Bansal D, Talakokkula ST, Gudala K, Hota D, Bhansali A, et al. Comparative efficacy and safety of six antidepressants and anticonvulsants in painful diabetic neuropathy: a network meta-analysis. *Pain Physician* 2013;16(6):E705-14.

[D339] Sauriol L, Laporta M, Edwardes MD, Deslandes M, Ricard N, Suissa S. Meta-analysis comparing newer antipsychotic drugs for the treatment of schizophrenia: evaluating the indirect approach. *Clin Ther* 2001;23(6):942-56.

[D340] Schoels M, Aletaha D, Smolen JS, Wong JB. Comparative effectiveness and safety of biological treatment options after tumour necrosis factor alpha inhibitor failure in rheumatoid arthritis: systematic review and indirect pairwise meta-analysis. *Ann Rheum Dis* 2012;71(8):1303-8.

[D341] Sciarretta S, Palano F, Tocci G, Baldini R, Volpe M. Antihypertensive treatment and development of heart failure in hypertension: a Bayesian network meta-analysis of studies in patients with hypertension and high cardiovascular risk. *Arch Intern Med* 2011;171(5):384-94.

[D342] Shamliyan TA, Choi JY, Ramakrishnan R, Miller JB, Wang SY, Taylor FR, et al. Preventive pharmacologic treatments for episodic migraine in adults. *J Gen Intern Med* 2013;28(9):1225-37.

[D343] Shi KQ, Liu WY, Pan ZZ, Ling XF, Chen SL, Chen YP, et al. Secondary prophylaxis of variceal bleeding for cirrhotic patients: a multiple-treatments meta-analysis. *Eur J Clin Invest* 2013;43(8):844-54.

[D344] Shu T, Chen GH, Rong L, Feng F, Yang B, Chen R, et al. Indirect comparison of anti-TNF-alpha agents for active ankylosing spondylitis: mixed treatment comparison of randomised controlled trials. Clin Exp Rheumatol 2013;31(5):717-22.

[D345] Stegeman BH, de Bastos M, Rosendaal FR, van Hylckama Vlieg A, Helmerhorst FM, Stijnen T, et al. Different combined oral contraceptives and the risk of venous thrombosis: systematic review and network meta-analysis. *BMJ* 2013;347(7925):f5298.

[D346] Stevens JW, Simpson E, Harnan S, Squires H, Meng Y, Thomas S, et al. Systematic review of the efficacy of cilostazol, naftidrofuryl oxalate and pentoxifylline for the treatment of intermittent claudication. *Br J Surg* 2012;99(12):1630-8.

[D347] Szegedi A, Verweij P, van Duijnhoven W, Mackle M, Cazorla P, Fennema H. Meta-analyses of the efficacy of asenapine for acute schizophrenia: comparisons with placebo and other antipsychotics. J Clin Psychiatry 2012;73(12):1533-40.

[D348] Tang DH, Malone DC. A network meta-analysis on the efficacy of serotonin type 3 receptor antagonists used in adults during the first 24 hours for postoperative nausea and vomiting prophylaxis. *Clin Ther* 2012;34(2):282-94.

[D349] Thijs V, Lemmens R, Fieuws S. Network meta-analysis: simultaneous meta-analysis of common antiplatelet regimens after transient ischaemic attack or stroke. *Eur Heart J* 2008;29(9):1086-92.

[D350] Tonelli M, Lloyd A, Clement F, Conly J, Husereau D, Hemmelgarn B, et al. Efficacy of statins for primary prevention in people at low cardiovascular risk: a meta-analysis. *CMAJ* 2011;183(16):E1189-202.

[D351] Trkulja V, Kolundzic R. Rivaroxaban vs dabigatran for thromboprophylaxis after joint-replacement surgery: exploratory indirect comparison based on metaanalysis of pivotal clinical trials. *Croat Med J* 2010;51(2):113-23.

[D352] Turkstra E, Ng SK, Scuffham PA. A mixed treatment comparison of the short-term efficacy of biologic disease modifying anti-rheumatic drugs in established rheumatoid arthritis. *Curr Med Res Opin* 2011;27(10):1885-97.

[D353] Tzellos TG, Toulis KA, Goulis DG, Papazisis G, Zampeli VA, Vakfari A, et al. Gabapentin and pregabalin in the treatment of fibromyalgia: a systematic review and a meta-analysis. *J Clin Pharm Ther* 2010;35(6):639-56.

[D354] Uthman OA, Abdulmalik J. Comparative efficacy and acceptability of pharmacotherapeutic agents for anxiety disorders in children and adolescents: a mixed treatment comparison meta-analysis. Curr Med Res Opin 2010;26(1):53-9.

[D355] Verduyn SC, Biesma B, Schramel FM, van der Scheer FW, Langenfeld MK, de Peuter MA, et al. Estimating quality adjusted progression free survival of first-line treatments for EGFR mutation positive non small cell lung cancer patients in The Netherlands. *Health Qual Life Outcomes* 2012;10:108.

[D356] Whegang Youdom S, Samson A, Basco LK, Thalabard JC. Multiple treatment comparisons in a series of anti-malarial trials with an ordinal primary outcome and repeated treatment evaluations. *Malar J* 2012;11:147.

[D357] Woo G, Tomlinson G, Nishikawa Y, Kowgier M, Sherman M, Wong DK, et al. Tenofovir and entecavir are the most effective antiviral agents for chronic hepatitis B: a systematic review and Bayesian meta-analyses. *Gastroenterology* 2010;139(4):1218-29.

[D358] Yang Q, Wei Y, Chen YX, Zhou SW, Jiang ZM, Xie DR. Indirect comparison showed survival benefit from adjuvant chemoradiotherapy in completely resected gastric cancer with d2 lymphadenectomy. *Gastroenterol Res Pract* 2013;2013:634929.

[D359] Zagmutt FJ, Tarrants ML. Indirect comparisons of adverse events and dropout rates in early Parkinson's disease trials of pramipexole, ropinirole, and rasagiline. Int J Neurosci 2012;122(7):345-53.

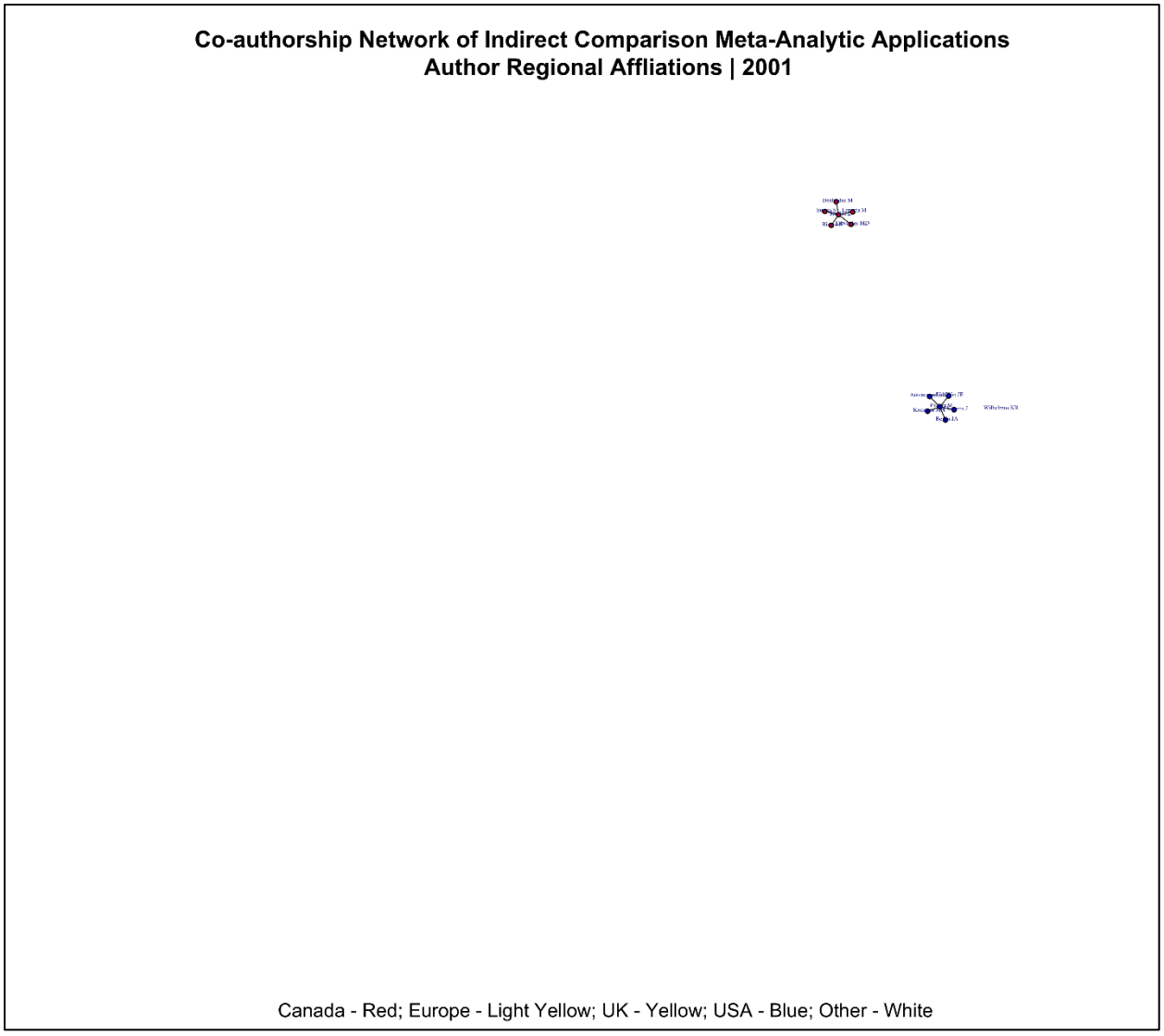
[D360] Zeng L, Luo R, Zhang L. Efficacy of high-dose ACTH versus low-dose ACTH in infantile spasms: a meta-analysis with direct and indirect comparison of randomized trials. *J Pediatr Neurol* 2011;9(2):141-9.

[D361] Zou YD, Sheng Z, Niu S, Wang H, Yu J, Xu J. Lenalidomide versus thalidomide based regimens as first-line therapy for patients with multiple myeloma. *Leuk Lymphoma* 2013;54(10):2219-25.

Appendix E: Co-authorship of indirect comparison meta-analytic methods by country over time

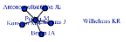
Directed co-authorship network of the 361 indirect comparison meta-analytic applications, 129 components, 1513 authors, 2000 to 2013. Colour based on country: Canada (red), the United States (blue), the United Kingdom (yellow), all other Europe (light yellow), and all other regions (white). Authors publishing on papers with more than one country affiliation were coloured based on combinations of the primary colours and white, thereby yielding secondary and tertiary colours. For example, authors on papers with affiliations from Canada and the United States were coloured purple (a combination of red and blue), authors on papers with affiliations from the United States and the United Kingdom were coloured green (a combination of blue and yellow), and authors on papers with affiliations from Canada and the United Kingdom were coloured orange (a combination of red and yellow). Authors on papers affiliated with Canada, the United States, and the United Kingdom were coloured grey (a combination of red, blue, and yellow). The addition of other European countries (light yellow) and all other regions (white) into the mix, lightened these colour combinations. For example, authors on papers affiliated with Canada, the United States, and all other regions were coloured light purple (a combination of red, blue, and white).

2001



2002

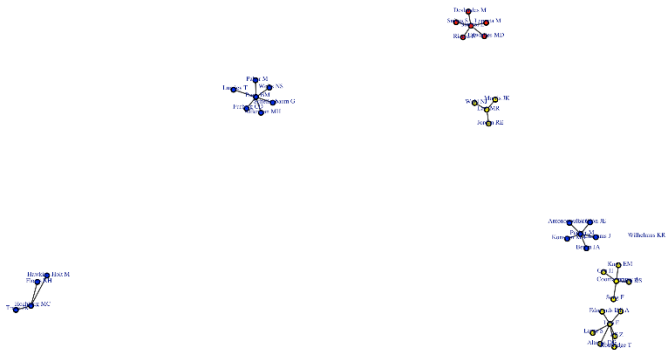
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2002



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2003

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2003



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

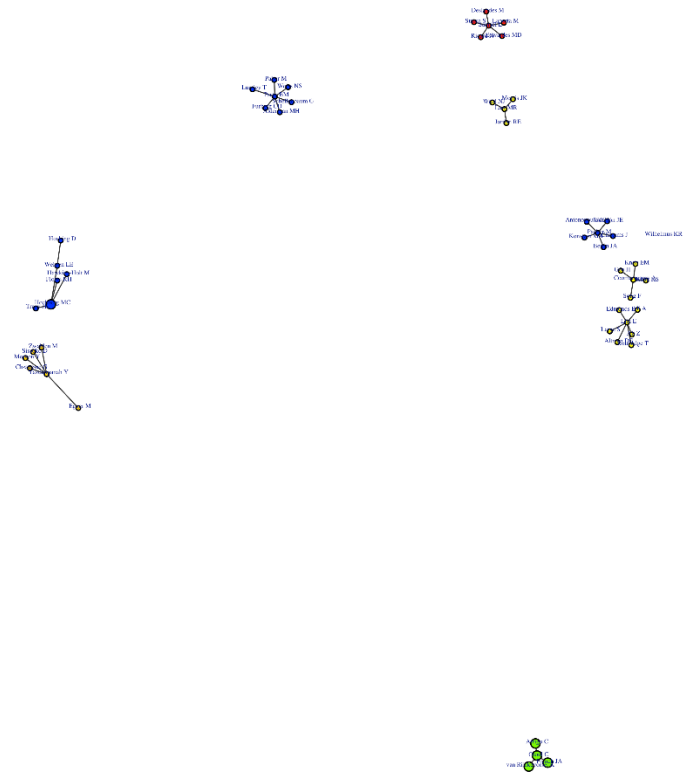
2004

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2004

Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2005

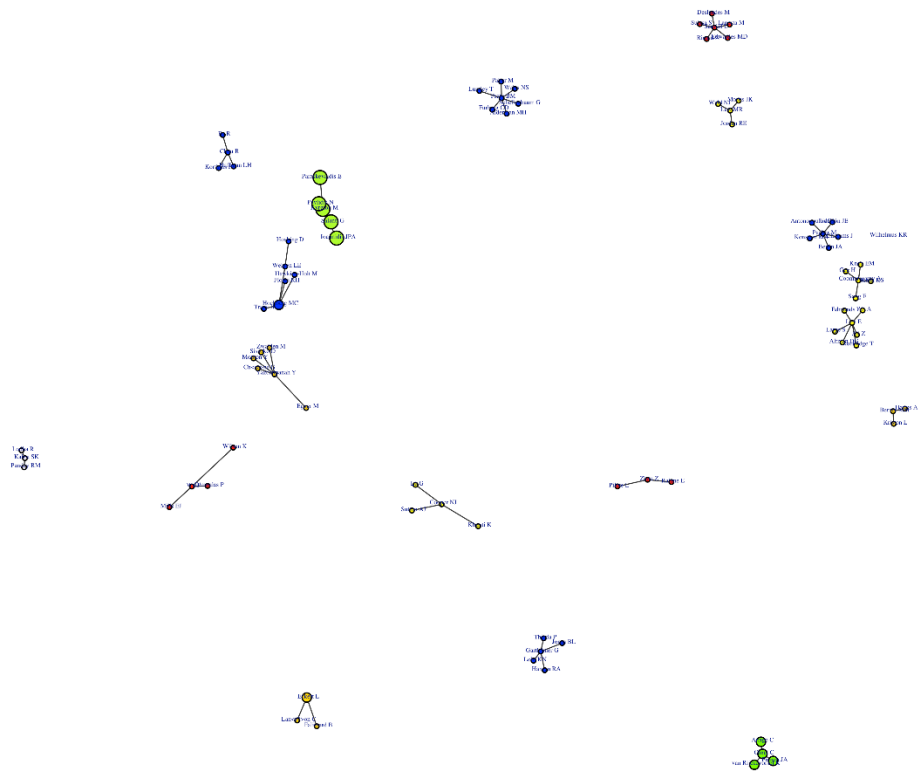
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2005



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2006

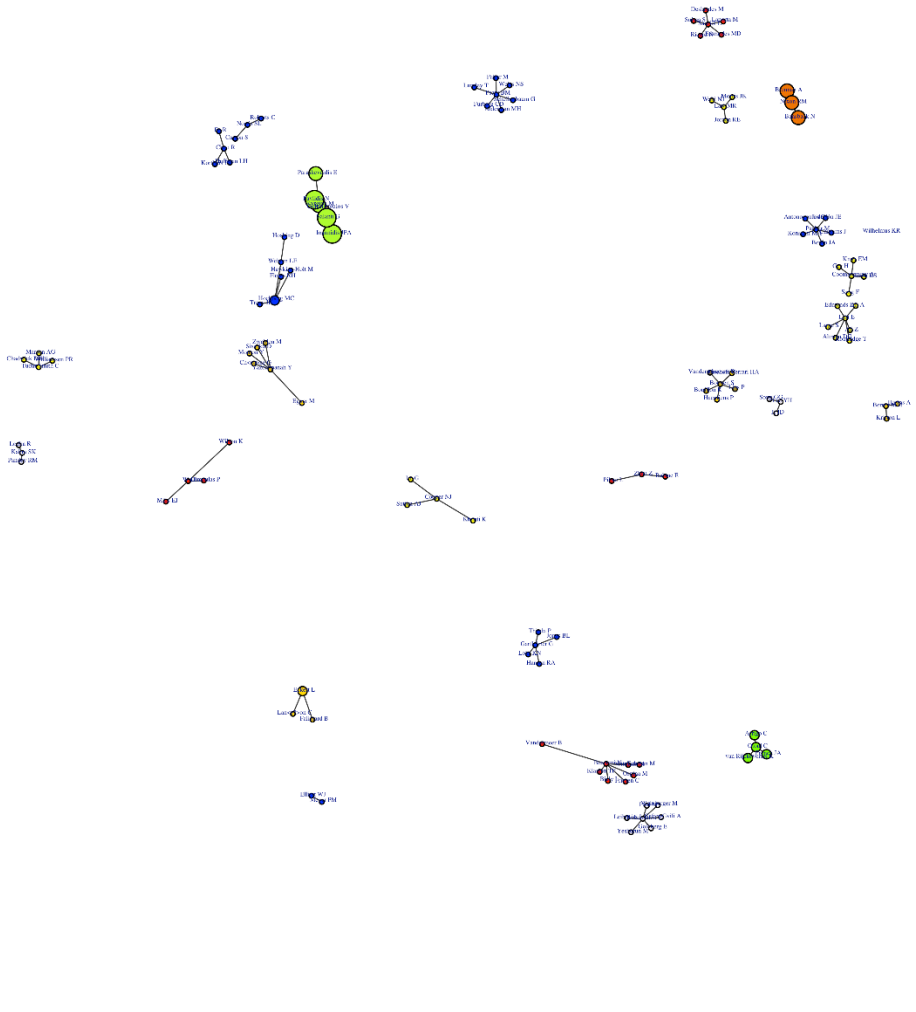
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2006



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2007

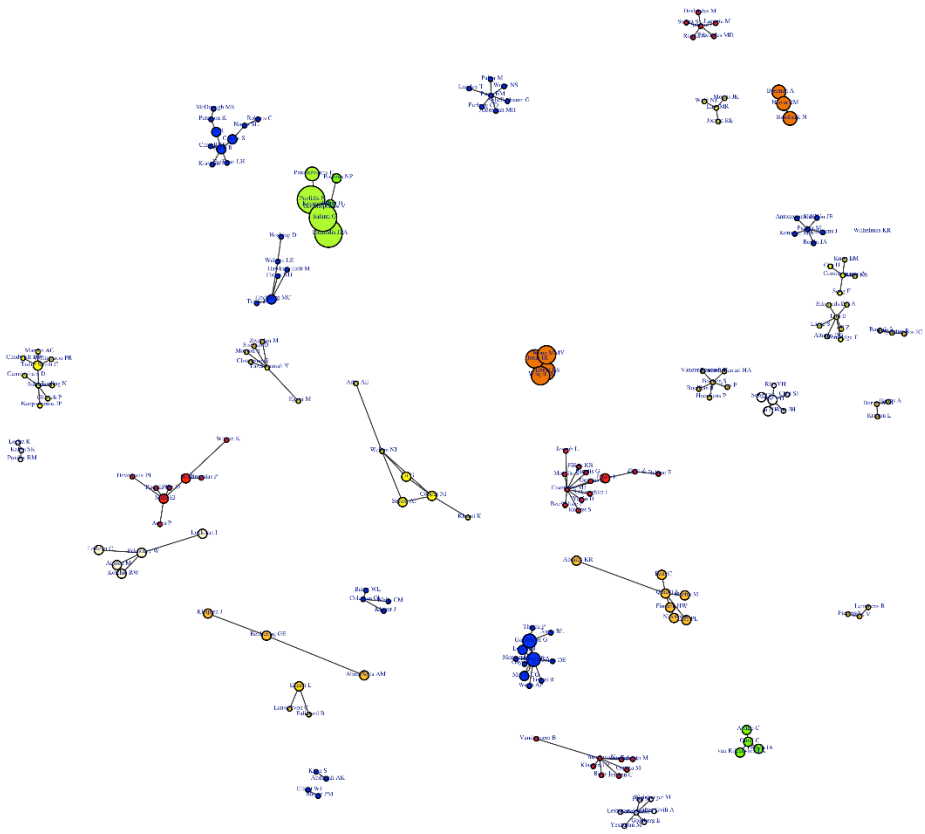
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2007



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2008

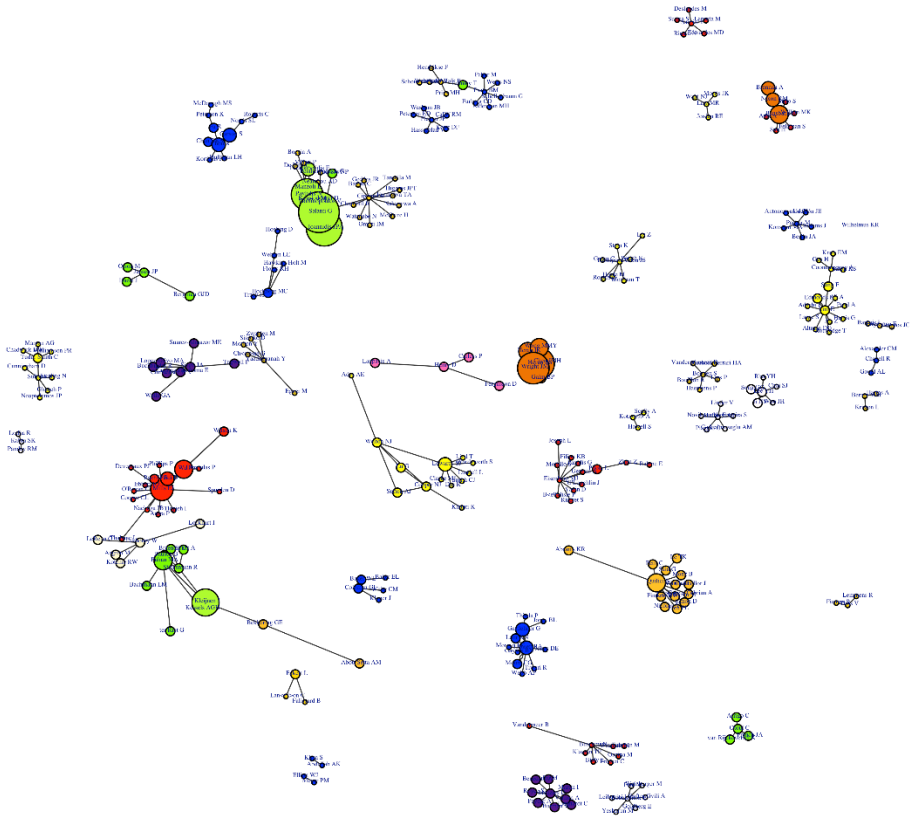
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2008



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2009

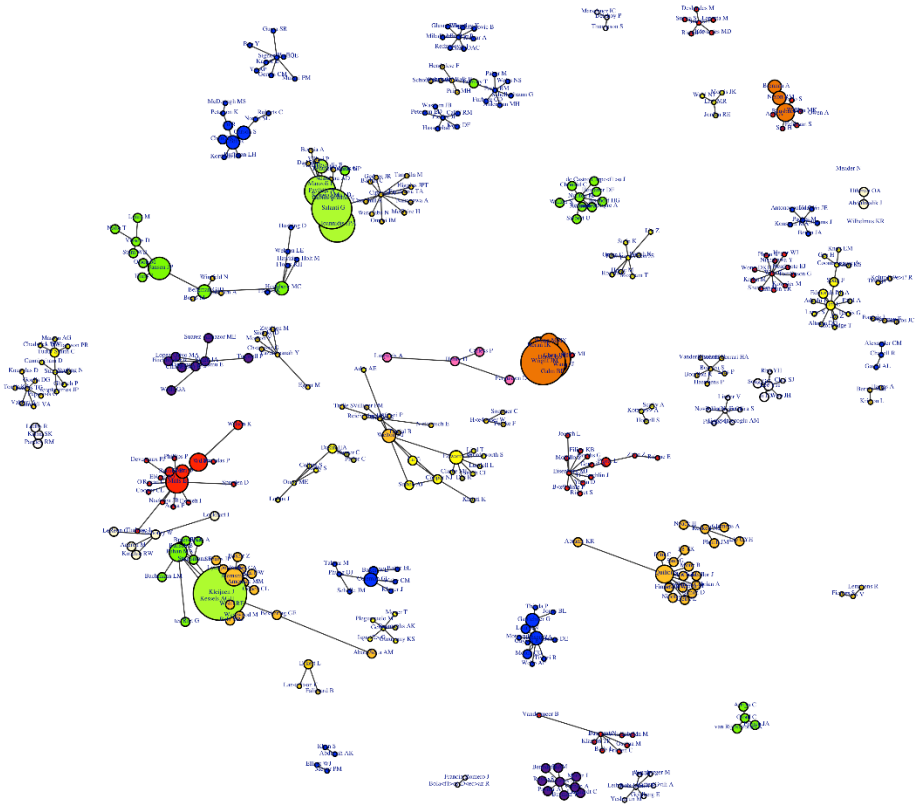
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2009



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2010

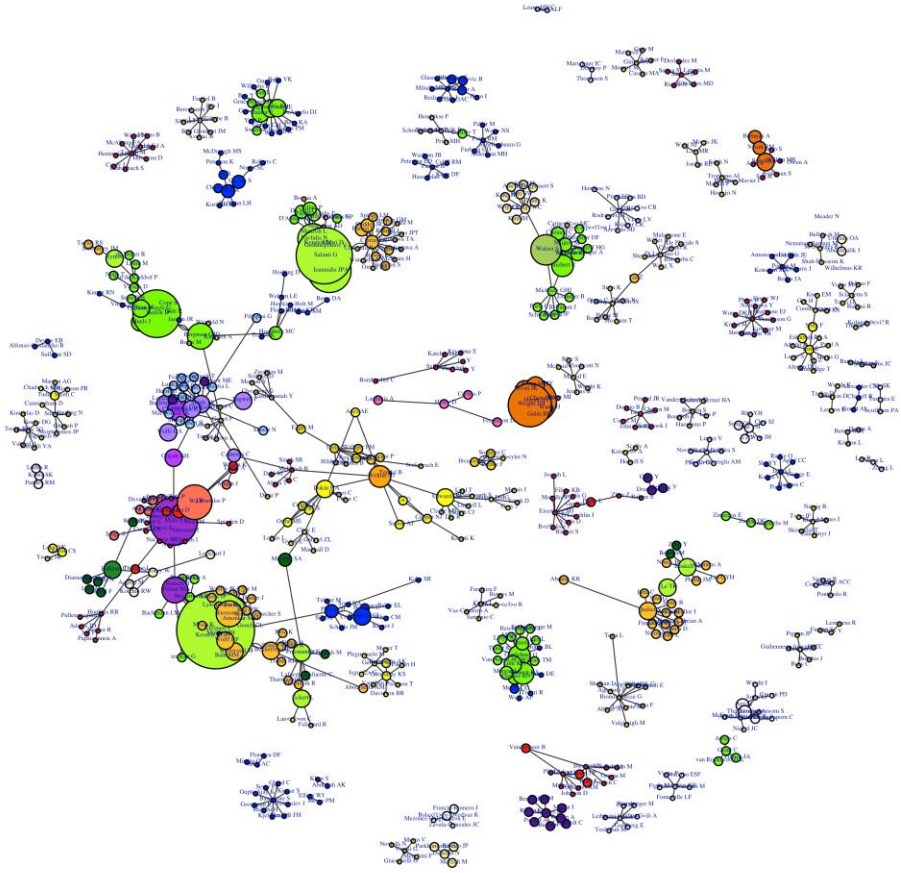
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2010



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2011

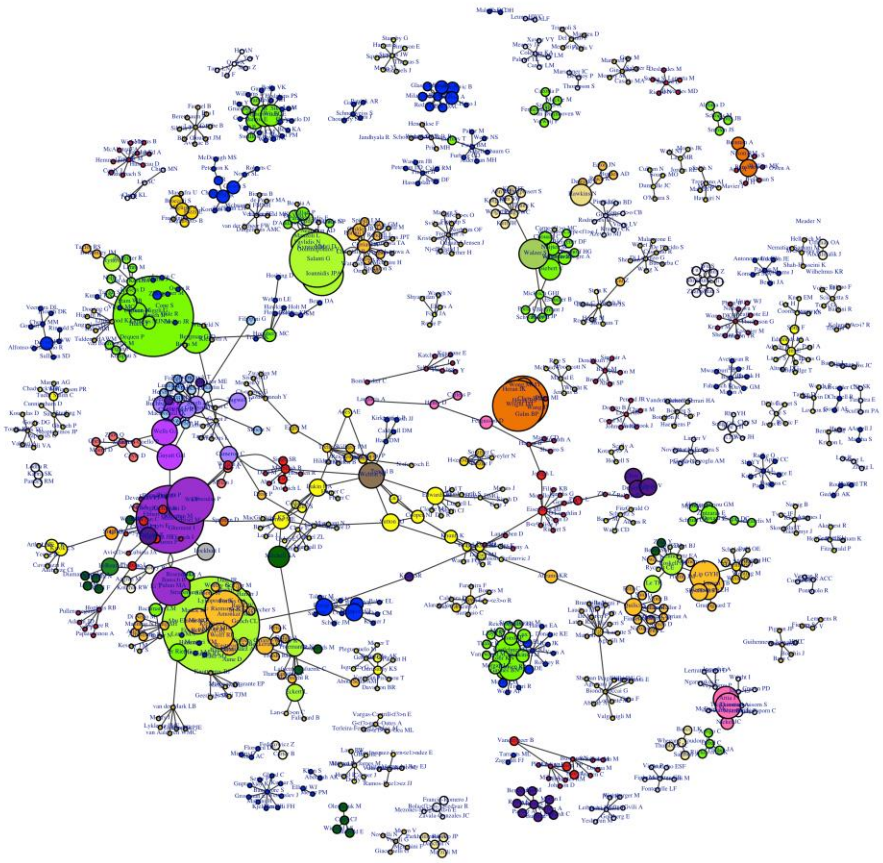
Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2011



Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

2012

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2012



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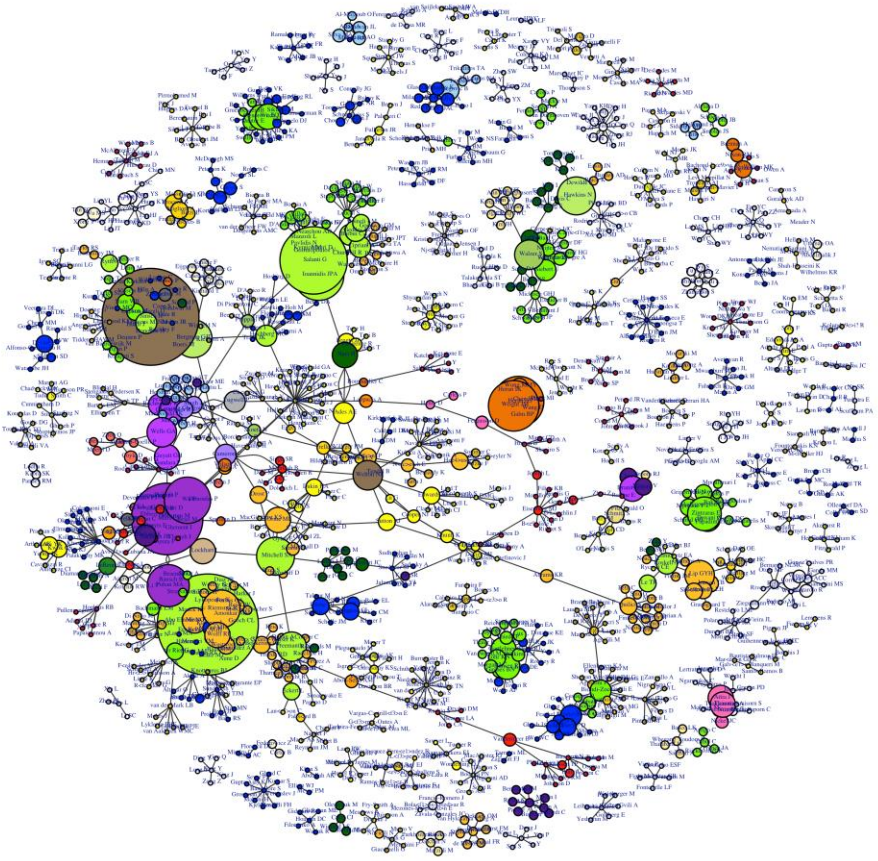
2013

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Regional Affliations | 2013

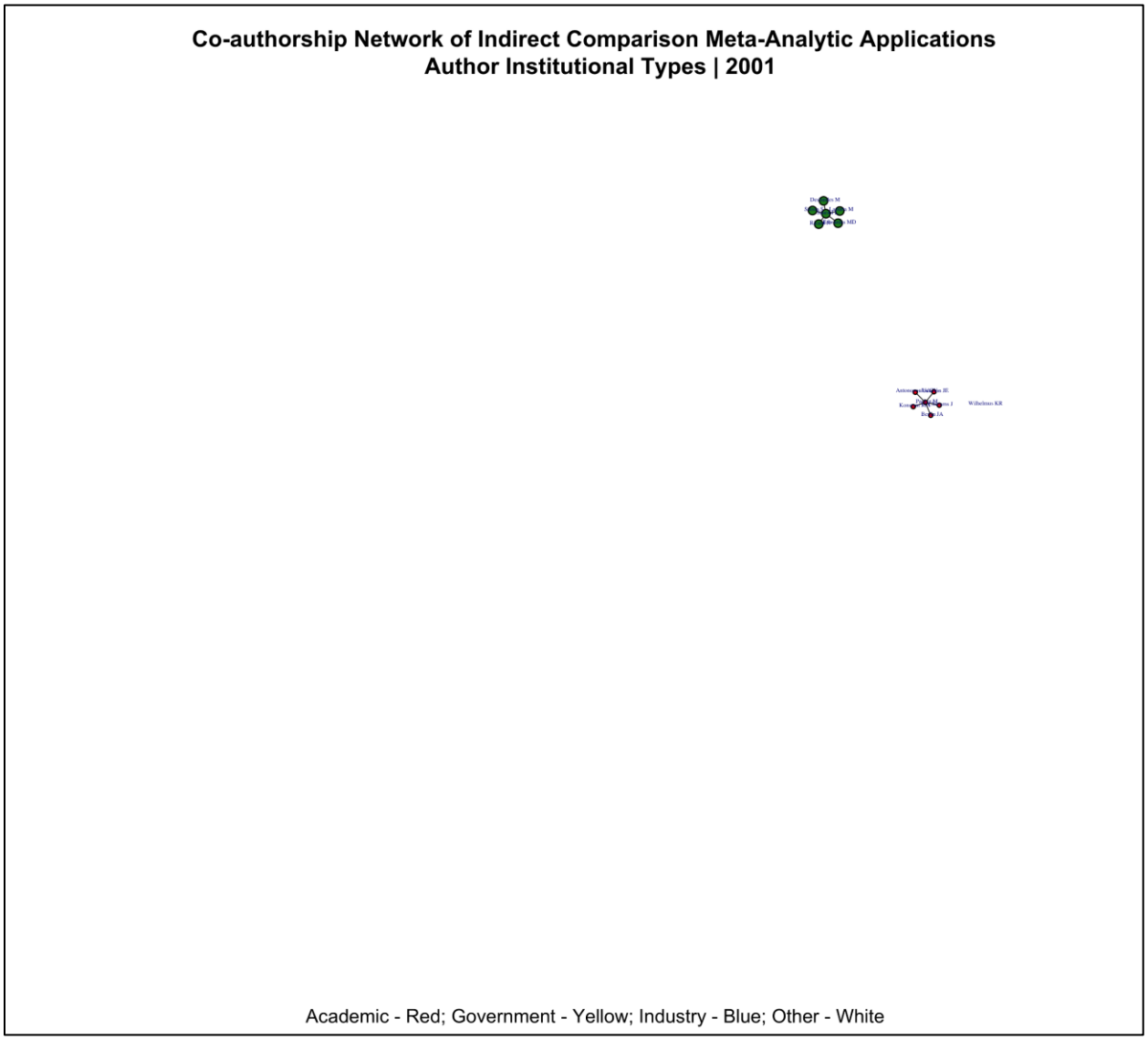


Canada - Red; Europe - Light Yellow; UK - Yellow; USA - Blue; Other - White

Appendix F: Co-authorship of indirect comparison meta-analytic methods by affiliation type over time

Directed co-authorship network of the 361 indirect comparison meta-analytic applications, 129 components, 1513 authors, 2000-2013. Colour based on affiliation type: academic (red), government (yellow), industry (blue), and all other affiliation types (white). Authors publishing on papers with more than one affiliation type were coloured based on combinations of the primary colours and white, thereby yielding secondary and tertiary colours. For example, authors on papers with affiliated with academia and government were coloured orange (a combination of red and yellow), authors on papers affiliated with government and industry were coloured green (a combination of yellow and blue), authors on papers affiliated with academia and industry were coloured purple (a combination of red and blue), and authors on papers affiliated with academic, government, and industry were coloured grey (a combination of red, yellow, and blue). The addition of other affiliation types into the mix, which were represented by the colour white, lightened these colour combinations. For example, authors on papers affiliated with academia, government, and other were coloured light orange (a combination of red, yellow, and white).

2001



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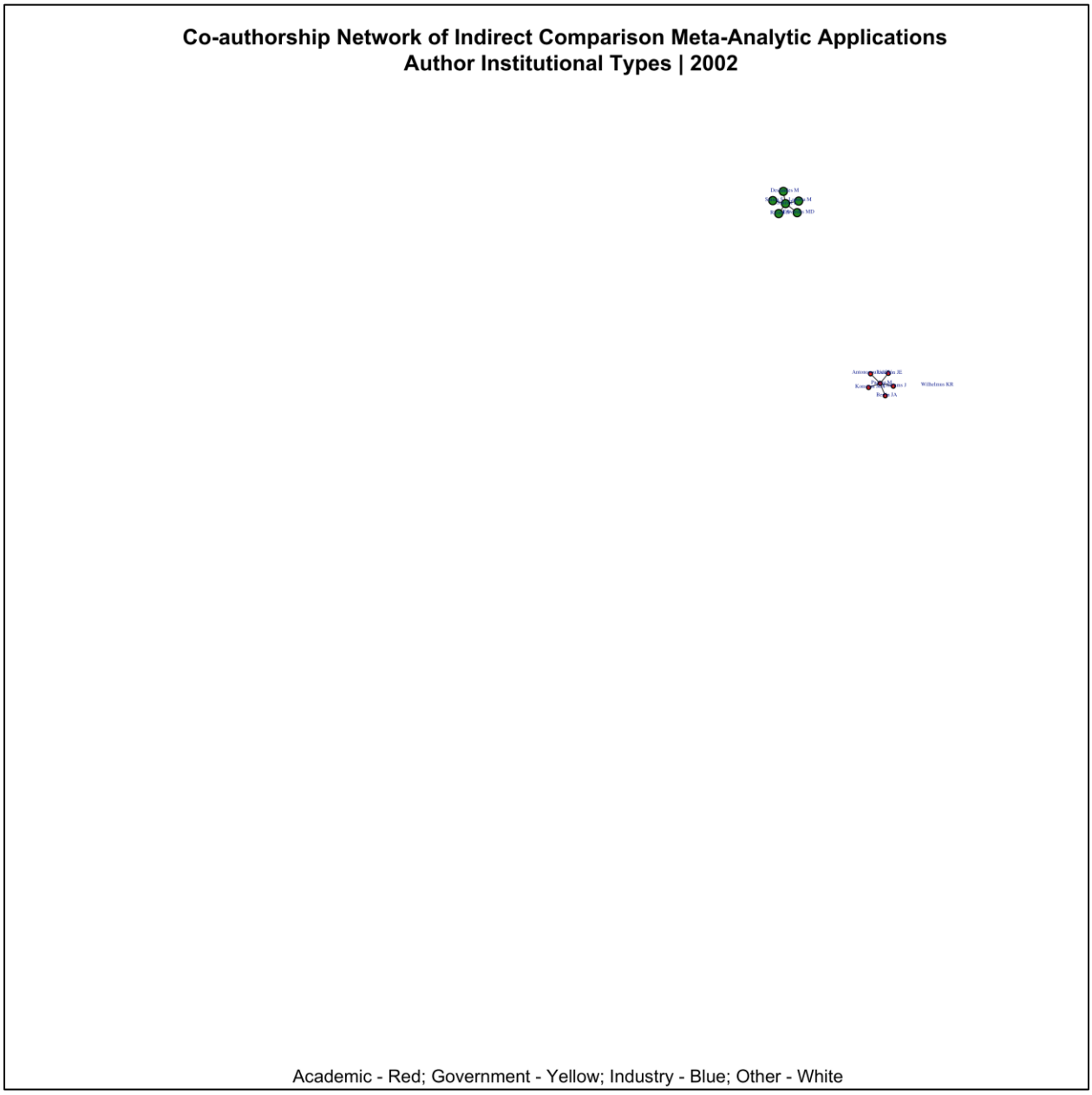
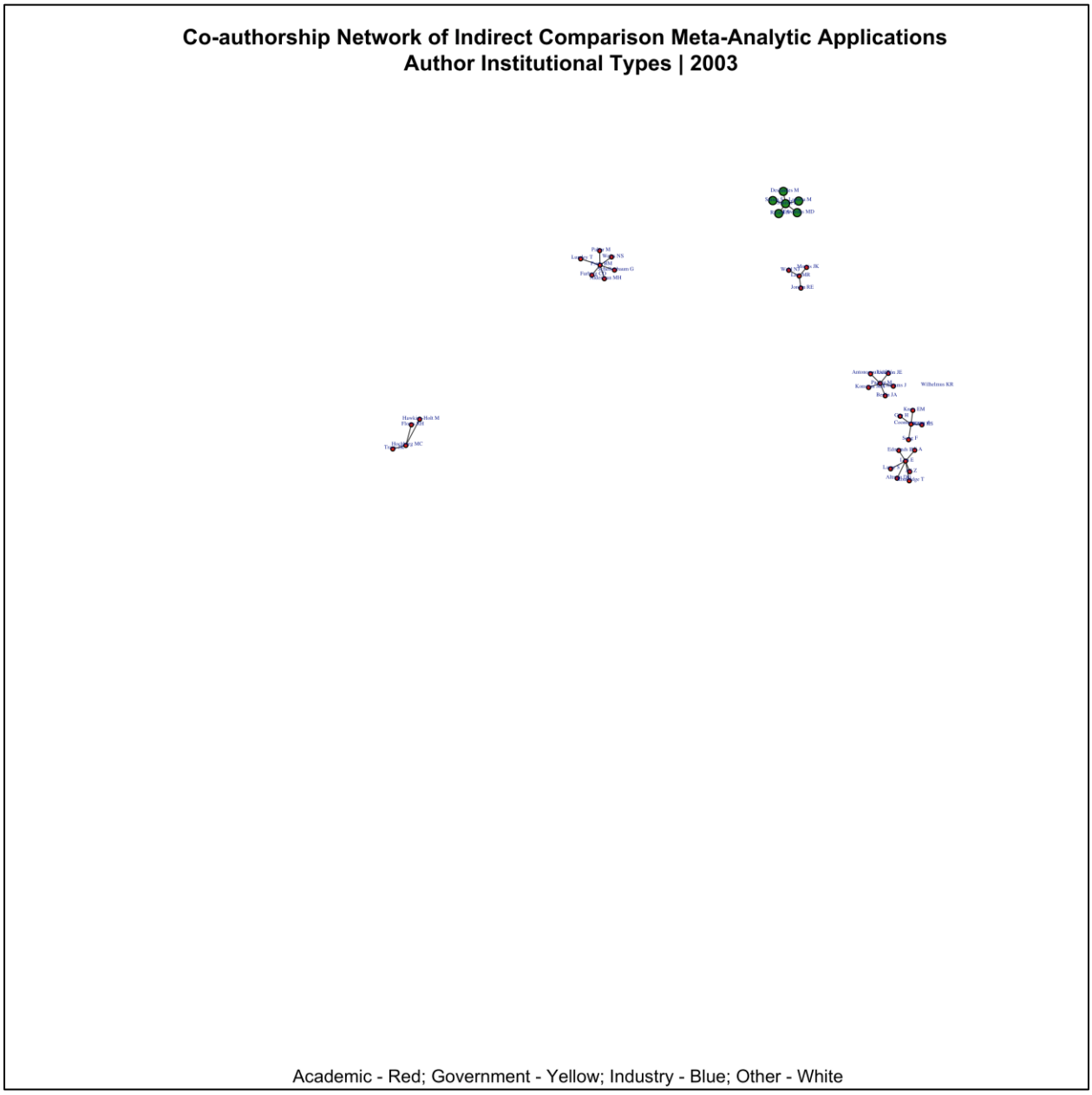
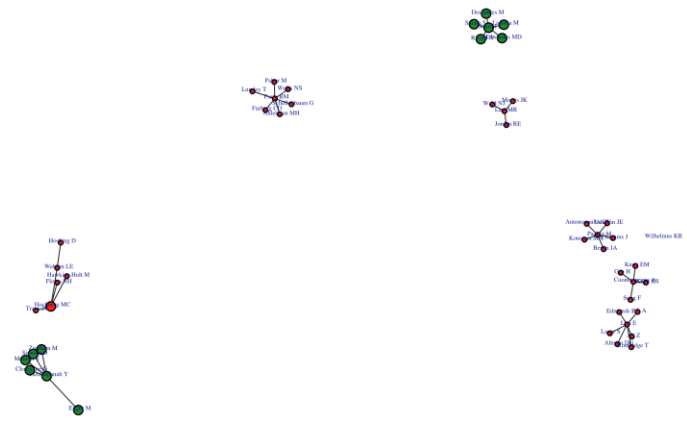

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Institutional Types | 2002
Wilhelmus KR
Academic - Red; Government - Yellow; Industry - Blue; Other - White

2003


Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Institutional Types | 2003
Academic - Red; Government - Yellow; Industry - Blue; Other - White

2004

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Institutional Types | 2004



Academic - Red; Government - Yellow; Industry - Blue; Other - White

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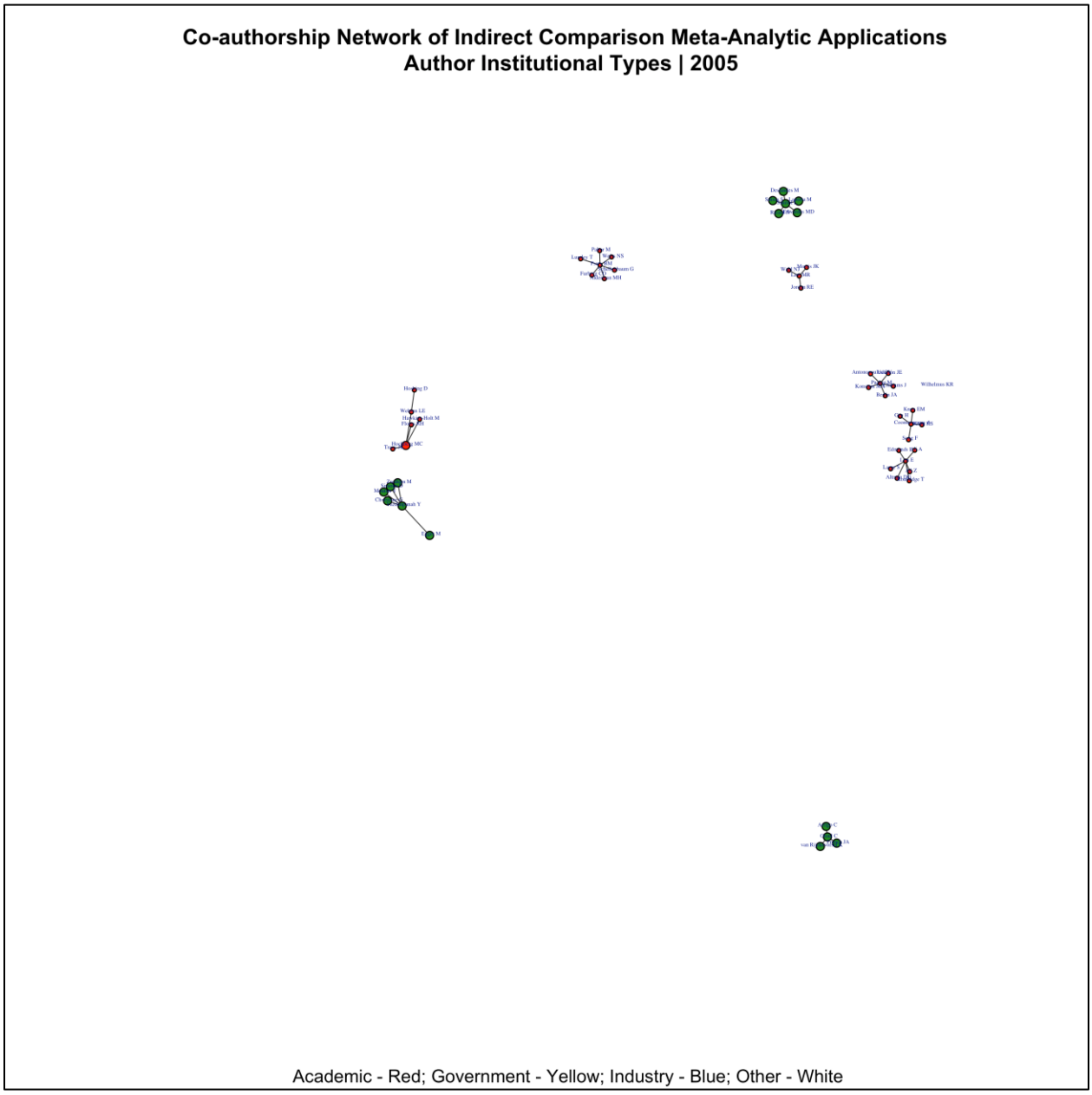
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Author Institutional Types | 2005
Academic - Red; Government - Yellow; Industry - Blue; Other - White

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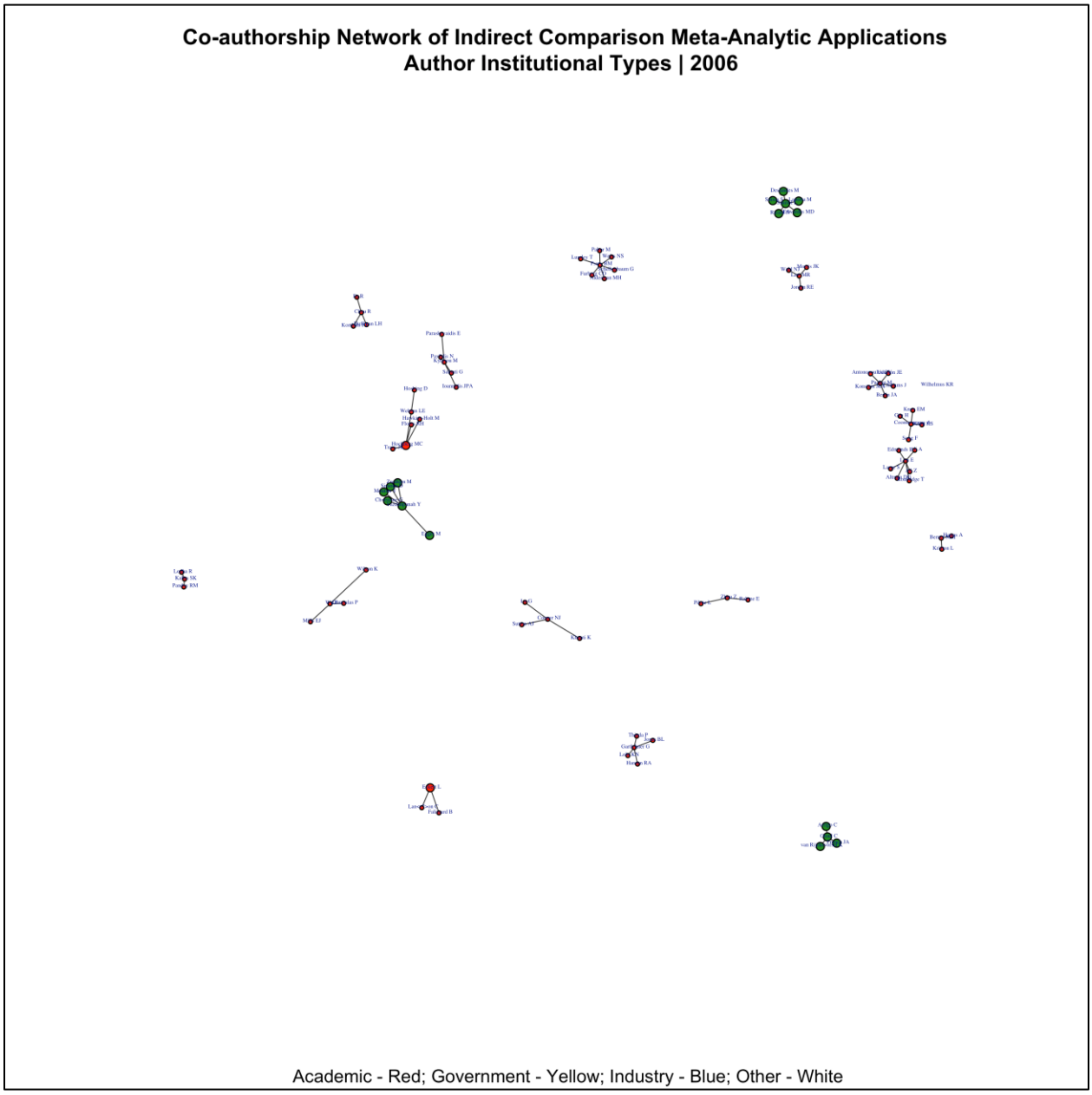
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Author Institutional Types | 2006
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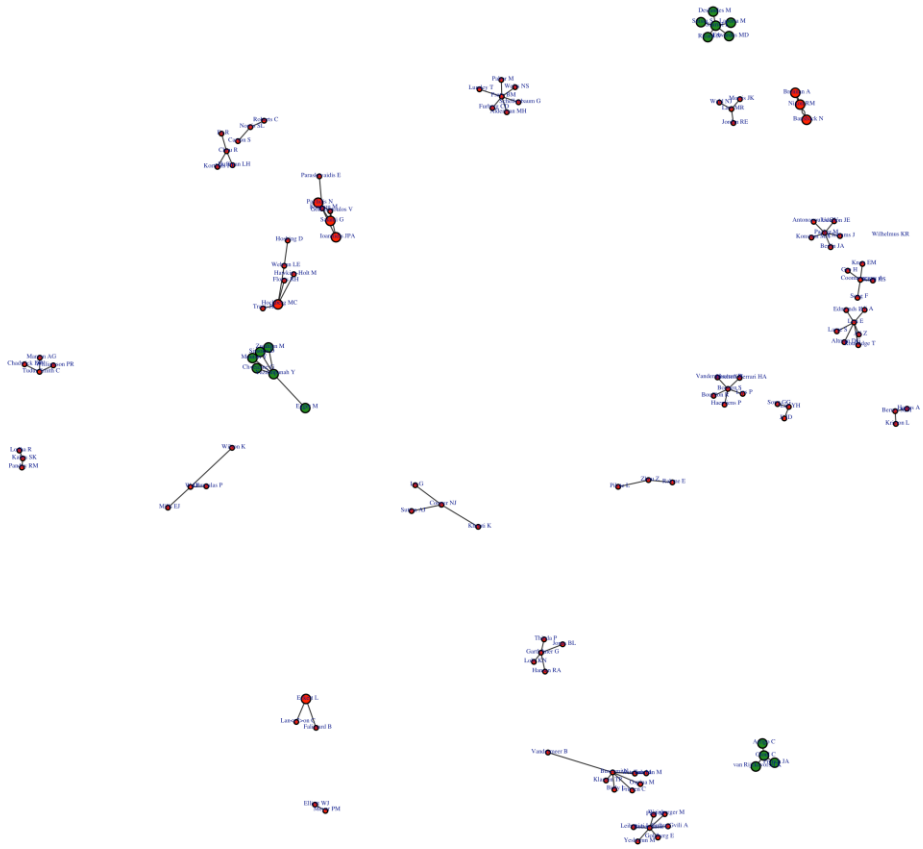
2007

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Institutional Types | 2007



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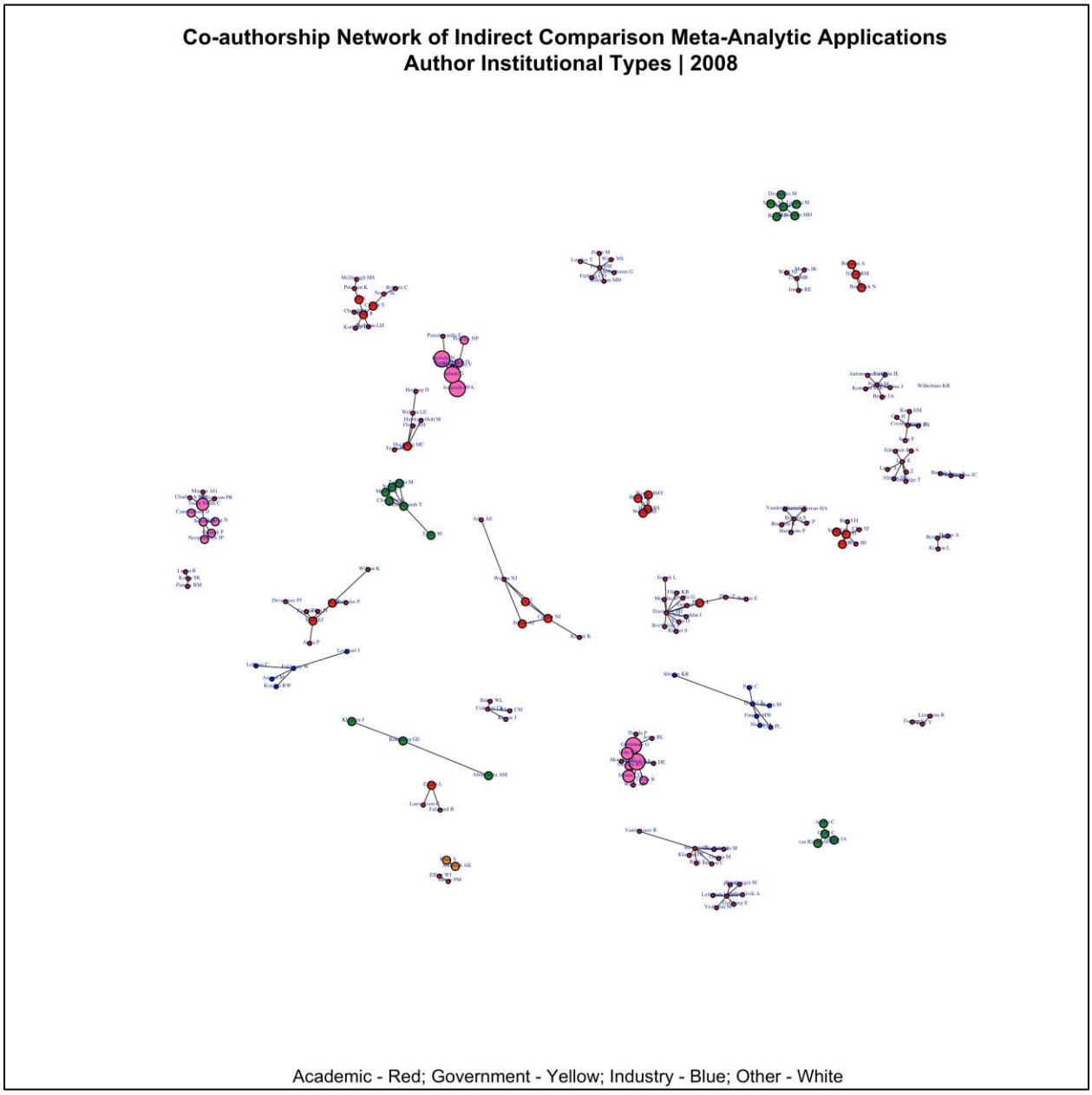
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Author Institutional Types | 2008
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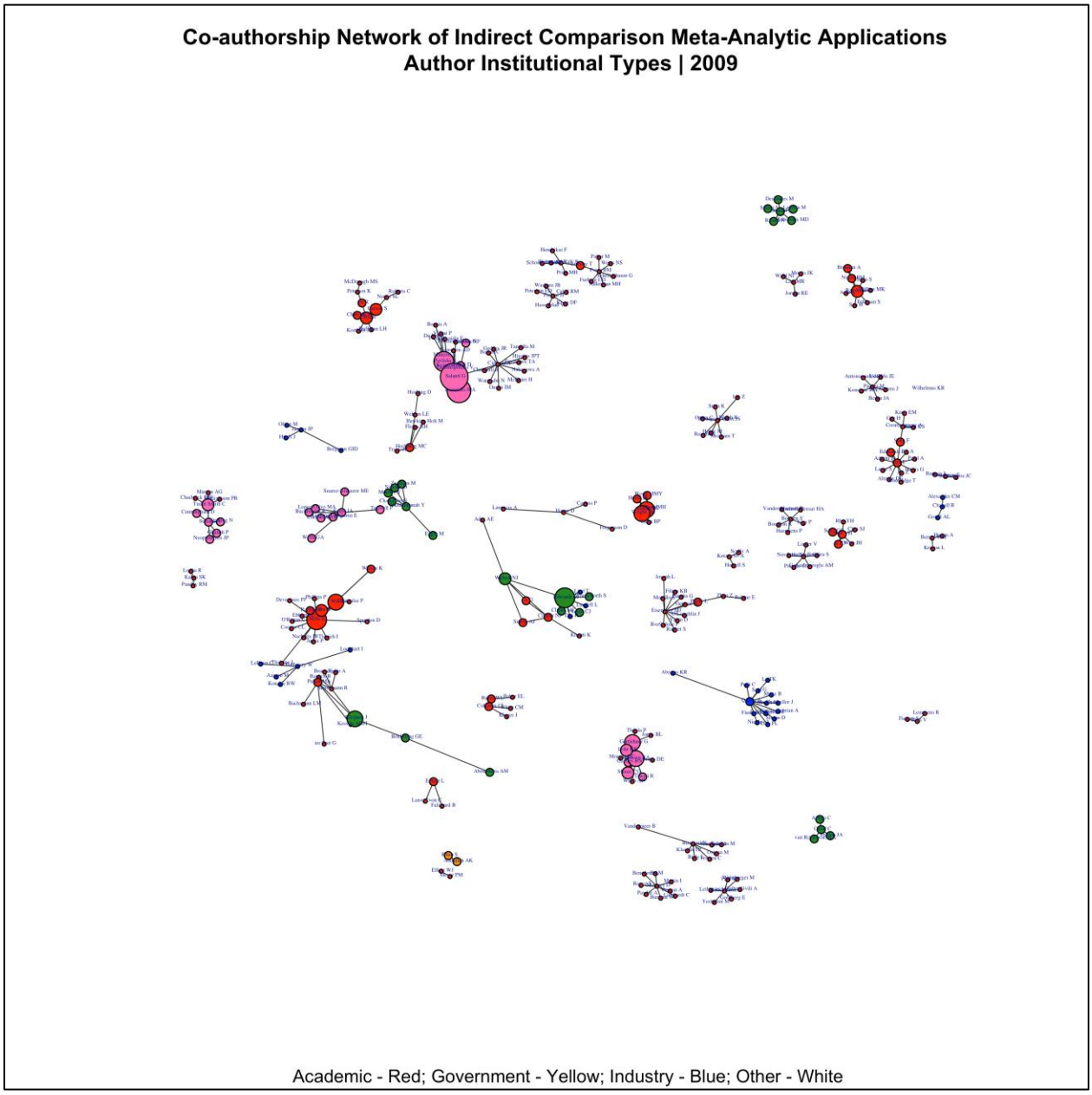
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Author Institutional Types | 2009
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2010

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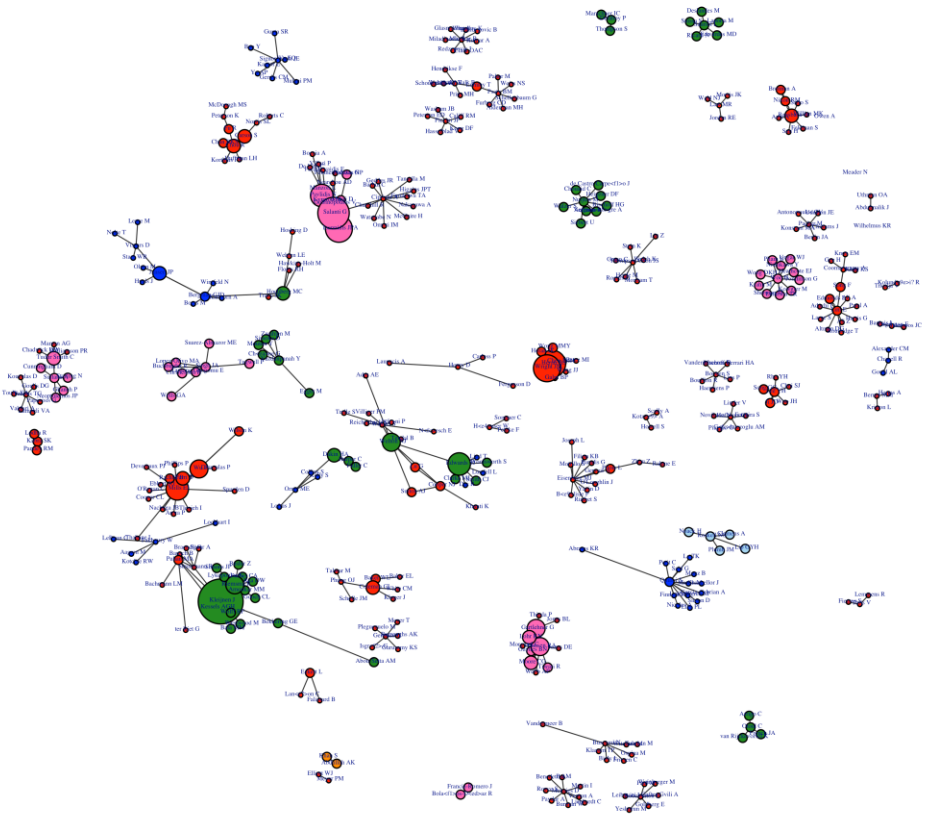
Author Institutional Types | 2010



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2011

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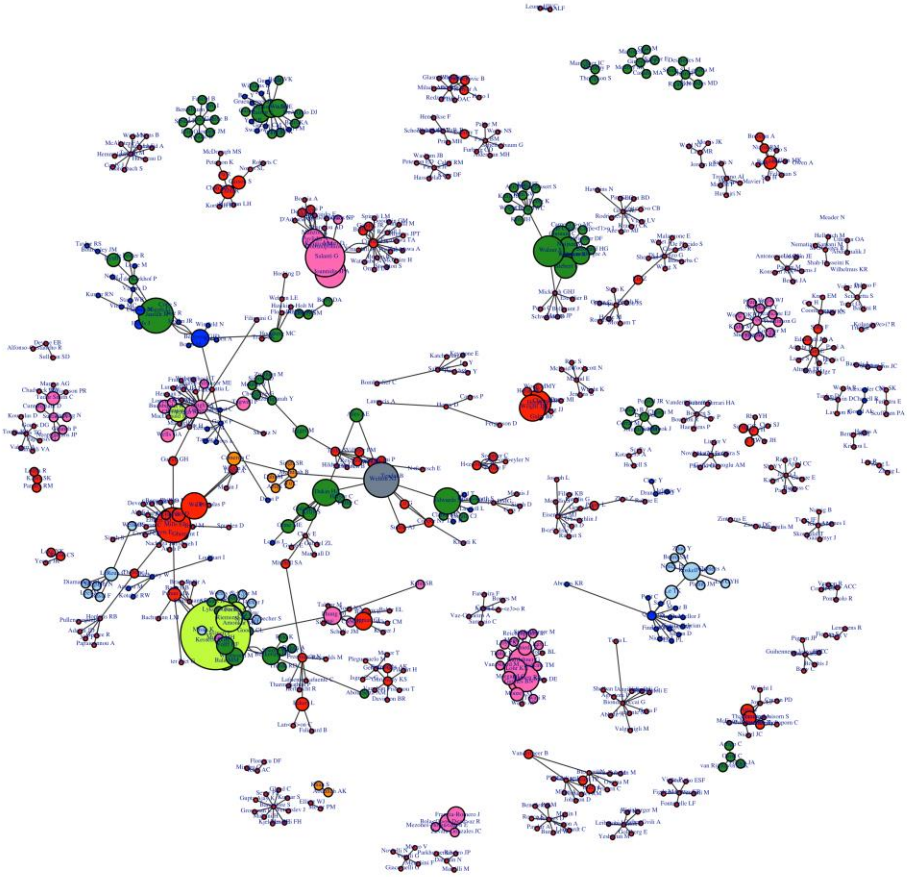
Author Institutional Types | 2011



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2012

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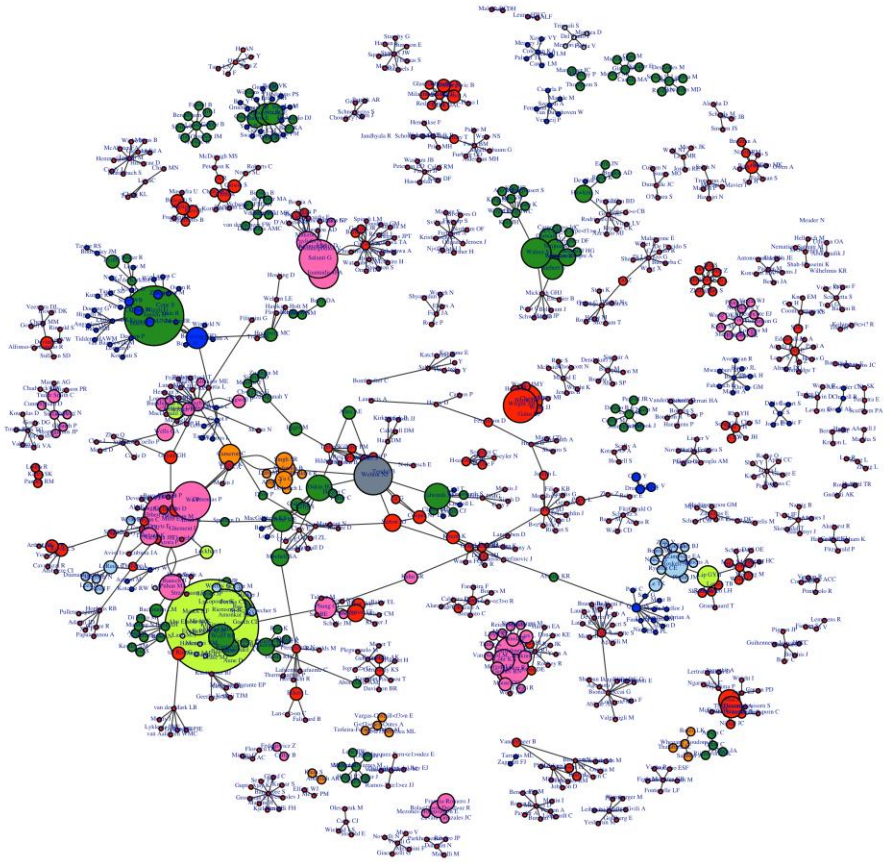
Author Institutional Types | 2012



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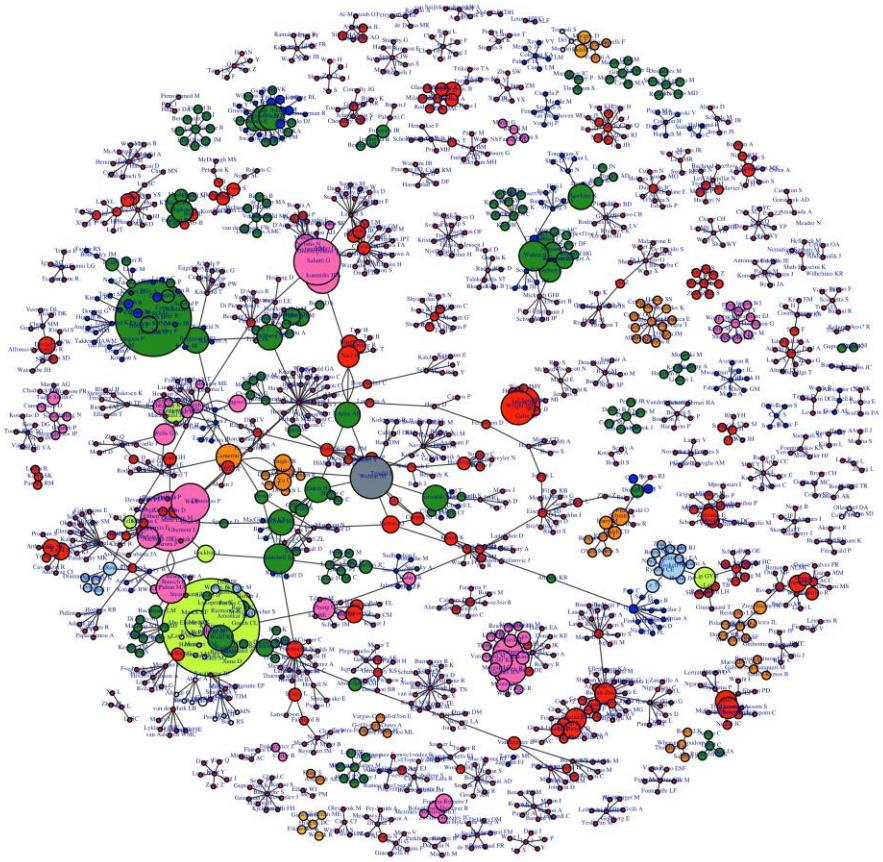
2013

Co-authorship Network of Indirect Comparison Meta-Analytic Applications
Author Institutional Types | 2013



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