

Table S4

Excluded randomized controlled trials (RCTs) citations

n = 36

Ageno 1998	Ageno W, Turpie AG: A randomized comparison of a computer-based dosing program with a manual system to monitor oral anticoagulant therapy. <i>Thromb Res</i> 1998, 91:237-240.
Apkon 2005	Apkon M, Mattera JA, Lin Z, Herrin J, Bradley EH, Carbone M, Holmboe ES, Gross CP, Selter JG, Rich AS et al.: A randomized outpatient trial of a decision-support information technology tool. <i>Arch Intern Med</i> 2005, 165:2388-2394.
Bourgeois 2010	Bourgeois FC, Linder J, Johnson SA, Co JP, Fiskio J, Ferris TG: Impact of a computerized template on antibiotic prescribing for acute respiratory infections in children and adolescents. <i>Clin Pediatr (Phila)</i> 2010, 49:976-983.
Christakis 2001	Christakis DA, Zimmerman FJ, Wright JA, Garrison MM, Rivara FP, Davis RL: A randomized controlled trial of point-of-care evidence to improve the antibiotic prescribing practices for otitis media in children. <i>Pediatrics</i> 2001, 107:E15.
Cleveringa 2008	Cleveringa FGW, Gorter KJ, van den Donk M, Rutten GEHM: Combined task delegation, computerized decision support, and feedback improve cardiovascular risk for type 2 diabetic patients: a cluster randomized trial in primary care. <i>Diabetes Care</i> 2008, 31:2273-2275.
Cobos 2005	Cobos A, Vilaseca J, Asenjo C, Pedro-Botet J, Sanchez E, Val A, Torremade E, Espinosa C, Bergonon S: Cost effectiveness of a clinical decision support system based on the recommendations of the European Society of Cardiology and other societies for the management of hypercholesterolemia: Report of a cluster-randomized trial. <i>Dis Manag Health Outcomes</i> 2005, 13:421-432.
Davis 2007	Davis RL, Wright J, Chalmers F, Levenson L, Brown JC, Lozano P, Christakis DA: A cluster randomized clinical trial to improve prescribing patterns in ambulatory pediatrics. <i>PLoS Clin Trials</i> 2007, 2:e25.
Demakis 2000	Demakis JG, Beauchamp C, Cull WL, Denwood R, Eisen SA, Lofgren R, Nichol K, Woolliscroft J, Henderson WG: Improving residents' compliance with standards of ambulatory care: results from the VA Cooperative Study on Computerized Reminders. <i>JAMA</i> 2000, 284:1411-1416.
Eccles 2002	Eccles M, McColl E, Steen N, Rousseau N, Grimshaw J, Parkin D, Purves I: Effect of computerised evidence based guidelines on management of asthma and angina in adults in primary care: cluster randomised controlled trial. <i>BMJ</i> 2002, 325:941.
Feldstein 2006A	Feldstein A, Elmer PJ, Smith DH, Herson M, Orwoll E, Chen C, Aickin M, Swain MC: Electronic medical record reminder improves osteoporosis management after a fracture: a randomized, controlled trial. <i>J Am Geriatr Soc</i> 2006, 54:450-457.
Feldstein 2006B	Feldstein AC, Smith DH, Perrin N, Yang X, Rix M, Raebel MA, Magid DJ, Simon SR, Soumerai SB: Improved therapeutic monitoring with several interventions: a randomized trial 2006B. <i>Arch Intern Med</i> 2006, 166:1848-1854.
Fiks 2009	Fiks AG, Hunter KF, Localio AR, Grundmeier RW, Bryant-Stephens T, Luberti AA, Bell LM, Alessandrini EA: Impact of electronic health record-based alerts on influenza vaccination for children with asthma. <i>Pediatrics</i> 2009, 124:159-169.
Filippi 2003	Filippi A, Sabatini A, Badioli L, Samani F, Mazzaglia G, Catapano A, Cricelli C: Effects of an automated electronic reminder in changing the antiplatelet drug-prescribing behavior among Italian general practitioners in diabetic patients: an intervention trial. <i>Diabetes Care</i> 2003, 26:1497-1500.

14	Flanagan 1999	Flanagan JR, Doebbeling BN, Dawson J, Beekmann S: Randomized study of online vaccine reminders in adult primary care. <i>Proceedings / AMIA Symposium</i> 1999:755-759.
15	Flottorp 2002	Flottorp S, Oxman AD, Havelsrud K, Treweek S, Herrin J: Cluster randomised controlled trial of tailored interventions to improve the management of urinary tract infections in women and sore throat. <i>BMJ</i> 2002, 325:367.
16	Frances 2001	Frances CD, Alperin P, Adler JS, Grady D: Does a fixed physician reminder system improve the care of patients with coronary artery disease? A randomized controlled trial. <i>West J Med</i> 2001, 175:165-166.
17	Fretheim 2006	Fretheim A, Oxman AD, Havelsrud K, Treweek S, Kristoffersen DT, Bjorndal A: Rational prescribing in primary care (RaPP): A cluster randomized trial of a tailored intervention. <i>Plos Medicine</i> 2006, 3:0783-0791.
18	Gill 2009	Gill JM, Chen YX, Glutting JJ, Diamond JJ, Lieberman MI: Impact of decision support in electronic medical records on lipid management in primary care. <i>Popul Health Manag</i> 2009, 12:221-226.
19	Gill 2011	Gill JM, Mainous AG, Koopman RJ, Player MS, Everett CJ, Chen YX, Diamond JJ, Lieberman MI: Impact of EHR-based clinical decision support on adherence to guidelines for patients on NSAIDs: a randomized controlled trial. <i>Ann Fam Med</i> 2011, 9:22-30.
20	Hicks 2008	Hicks LS, Sequist TD, Ayanian JZ, Shaykevich S, Fairchild DG, Orav EJ, Bates DW: Impact of computerized decision support on blood pressure management and control: a randomized controlled trial. <i>J Gen Intern Med</i> 2008, 23:429-441.
21	Hobbs 1996	Hobbs FD, Delaney BC, Carson A, Kenkre JE: A prospective controlled trial of computerized decision support for lipid management in primary care. <i>Fam Pract</i> 1996, 13:133-137.
22	Kralj 2003	Kralj B, Iverson D, Hotz K, Ashbury FD: The impact of computerized clinical reminders on physician prescribing behavior: evidence from community oncology practice. <i>Am J Med Qual</i> 2003, 18:197-203.
23	Krall 2004	Krall MA, Traunweiser K, Towery W: Effectiveness of an electronic medical record clinical quality alert prepared by off-line data analysis. <i>Medinfo</i> 2004, 11:135-139.
24	Kuilboer 2006	Kuilboer MM, van Wijk MA, Mosseveld M, van der DE, de Jongste JC, Overbeek SE, Ponsioen B, van der LJ: Computed critiquing integrated into daily clinical practice affects physicians' behavior--a randomized clinical trial with AsthmaCritic. <i>Methods Inf Med</i> 2006, 45:447-454.
25	Lesourd 2002	Lesourd F, Avril C, Boujennah A, Parinaud J: A computerized decision support system for ovarian stimulation by gonadotropins. <i>Fertil Steril</i> 2002, 77:456-460.
26	Linder 2009	Linder JA, Schnipper JL, Tsurikova R, Yu T, Volk LA, Melnikas AJ, Palchuk MB, Olsha-Yehiav M, Middleton B: Documentation-based clinical decision support to improve antibiotic prescribing for acute respiratory infections in primary care: a cluster randomised controlled trial. <i>Inform Prim Care</i> 2009, 17:231-240.
27	Lo 2009	Lo HG, Matheny ME, Seger DL, Bates DW, Gandhi TK: Impact of non-interruptive medication laboratory monitoring alerts in ambulatory care 3631. <i>J Am Med Inform Assoc</i> 2009, 16:66-71.
28	Manotti 2001	Manotti C, Moia M, Palareti G, Pengo V, Ria L, Dettori AG: Effect of computer-aided management on the quality of treatment in anticoagulated patients: a prospective, randomized, multicenter trial of APROAT (Automated PProgram for Oral Anticoagulant Treatment). <i>Haematologica</i> 2001, 86:1060-1070.

29	Martens 2007	Martens JD, van der WT, Severens JL, de Clercq PA, de Bruijn DP, Kester ADM, Winkens RAG: The effect of computer reminders on GPs' prescribing behaviour: A cluster-randomised trial. <i>Int J Med Inf</i> 2007:S403-S416.
30	Matheny 2008	Matheny ME, Sequist TD, Seger AC, Fiskio JM, Sperling M, Bugbee D, Bates DW, Gandhi TK: A randomized trial of electronic clinical reminders to improve medication laboratory monitoring. <i>J Am Med Inform Assoc</i> 2008, 15:424-429.
31	Murray 2004	Murray MD, Harris LE, Overhage JM, Zhou XH, Eckert GJ, Smith FE, Buchanan NN, Wolinsky FD, McDonald CJ, Tierney WM: Failure of computerized treatment suggestions to improve health outcomes of outpatients with uncomplicated hypertension: results of a randomized controlled trial. <i>Pharmacotherapy</i> 2004, 24:324-337.
32	O'Connor 2011	O'Connor PJ, Sperl-Hillen JM, Rush WA, Johnson PE, Amundson GH, Asche SE, Ekstrom HL, Gilmer TP: Impact of electronic health record clinical decision support on diabetes care: a randomized trial. <i>Ann Fam Med</i> 2011, 9:12-21.
33	Palen 2006	Palen TE, Raebel M, Lyons E, Magid DM: Evaluation of laboratory monitoring alerts within a computerized physician order entry system for medication orders. <i>Am J Manag Care</i> 2006, 12:389-395.
34	Poller 1998	Poller L, Shiach CR, MacCallum PK, Johansen AM, Munster AM, Magalhaes A, Jespersen J: Multicentre randomised study of computerised anticoagulant dosage. <i>Lancet</i> 1998, 352:1505-1509.
35	Sequist 2005	Sequist TD, Gandhi TK, Karson AS, Fiskio JM, Bugbee D, Sperling M, Cook EF, Orav EJ, Fairchild DG, Bates DW: A randomized trial of electronic clinical reminders to improve quality of care for diabetes and coronary artery disease. <i>JAMIA</i> 2005, 12:431-437.
36	van Wyk 2008	van Wyk JT, van Wijk MAM, Sturkenboom MCJM, Mosseveld M, Moorman PW, van der Lei J: Electronic alerts versus on-demand decision support to improve dyslipidemia treatment: a cluster randomized controlled trial. <i>Circulation</i> 2008, 117:371-378.