

Supplemental File

Box A. Search strategy optimised for PubMed.

1. (randomized trial) AND (clinical trial) [All Fields]
2. ((cluster randomization) OR (cluster randomisation) OR (cluster) OR (clustered) OR (clustering) OR (clusters) OR (group-randomized) OR (group-randomised) OR (randomisation unit) OR (randomization unit)) [All Fields]
3. animal [All Fields]
4. #1 AND #2
5. #4 NOT #3
6. Feasibility [All Fields]
7. Pilot [All Fields]
8. Protocol [All Fields]
9. Review [All Fields]
10. #6 OR #7 OR #8 OR #9
11. #5 NOT #10
12. year [2011]
13. #11 AND #12

(searched performed in PubMed on 18 June 2012)

List of papers included in this review.

1. Aboud FE, Akhter S: A cluster-randomized evaluation of a responsive stimulation and feeding intervention in bangladesh. *Pediatrics* 2011, 127(5):e1191-1197.
2. Aburto NJ, Fulton JE, Safdie M, Duque T, Bonvecchio A, Rivera JA: Effect of a school-based intervention on physical activity: cluster-randomized trial. *Medicine and science in sports and exercise* 2011, 43(10):1898-1906.
3. Acolet D, Allen E, Houston R, Wilkinson AR, Costeloe K, Elbourne D: Improvement in neonatal intensive care unit care: a cluster randomised controlled trial of active dissemination of information. *Archives of disease in childhood Fetal and neonatal edition* 2011, 96(6):F434-439.
4. Ali NA, Hammersley J, Hoffmann SP, O'Brien JM, Jr., Phillips GS, Rashkin M, Warren E, Garland A: Continuity of care in intensive care units: a cluster-randomized trial of intensivist staffing. *American journal of respiratory and critical care medicine* 2011, 184(7):803-808.
5. Al-sheyab N, Gallagher R, Crisp J, Shah S: Peer-led education for adolescents with asthma in Jordan: a cluster-randomized controlled trial. *Pediatrics* 2012, 129(1):e106-112.
6. Amado Guirado E, Pujol Ribera E, Pacheco Huergo V, Borras JM: Knowledge and adherence to antihypertensive therapy in primary care: results of a randomized trial. *Gaceta sanitaria / SESPADS* 2011, 25(1):62-67.
7. Atlas SJ, Grant RW, Lester WT, Ashburner JM, Chang Y, Barry MJ, Chueh HC: A cluster-randomized trial of a primary care informatics-based system for breast cancer screening. *Journal of general internal medicine* 2011, 26(2):154-161.

8. Au DH, Udris EM, Engelberg RA, Diehr PH, Bryson CL, Reinke LF, Curtis JR: A randomized trial to improve communication about end-of-life care among patients with COPD. *Chest* 2012, 141(3):726-735.
9. Auger N, Daniel M, Knauper B, Raynault MF, Pless B: Children and youth perceive smoking messages in an unbranded advertisement from a NIKE marketing campaign: a cluster randomised controlled trial. *BMC pediatrics* 2011, 11:26.
10. Ayieko P, Ntoburi S, Wagai J, Opondo C, Opiyo N, Migiro S, Wamae A, Mogoa W, Were F, Wasunna A et al: A multifaceted intervention to implement guidelines and improve admission paediatric care in Kenyan district hospitals: a cluster randomised trial. *PLoS medicine* 2011, 8(4):e1001018.
11. Bains M, Reynolds PA, McDonald F, Sherriff M: Effectiveness and acceptability of face-to-face, blended and e-learning: a randomised trial of orthodontic undergraduates. *European journal of dental education : official journal of the Association for Dental Education in Europe* 2011, 15(2):110-117.
12. Beer C, Horner B, Flicker L, Scherer S, Lautenschlager NT, Bretland N, Flett P, Schaper F, Almeida OP: A cluster-randomised trial of staff education to improve the quality of life of people with dementia living in residential care: the DIRECT study. *PloS one* 2011, 6(11):e28155.
13. Bethge M, Herbold D, Trowitzsch L, Jacobi C: Work status and health-related quality of life following multimodal work hardening: a cluster randomised trial. *Journal of back and musculoskeletal rehabilitation* 2011, 24(3):161-172.
14. Bhutta ZA, Soofi S, Cousens S, Mohammad S, Memon ZA, Ali I, Feroze A, Raza F, Khan A, Wall S et al: Improvement of perinatal and newborn care in rural Pakistan through community-based strategies: a cluster-randomised effectiveness trial. *Lancet* 2011, 377(9763):403-412.
15. Bian Y, Xiong H, Zhang L, Tang T, Liu Z, Xu R, Lin H, Xu B: Change in coping strategies following intensive intervention for special-service military personnel as civil emergency responders. *Journal of occupational health* 2011, 53(1):36-44.
16. Bickman L, Kelley SD, Breda C, de Andrade AR, Riemer M: Effects of routine feedback to clinicians on mental health outcomes of youths: results of a randomized trial. *Psychiatric services (Washington, DC)* 2011, 62(12):1423-1429.
17. Bin Nisar Y, Hafeez A, Zafar S, Southall DP: Impact of essential surgical skills with an emphasis on emergency maternal, neonatal and child health training on the practice of doctors: a cluster randomised controlled trial in Pakistan. *Resuscitation* 2011, 82(8):1047-1052.
18. Birkenfeld S, Belfer RG, Chared M, Vilkin A, Barchana M, Lifshitz I, Fruchter D, Aronski D, Balicer R, Niv Y et al: Factors affecting compliance in faecal occult blood testing: a cluster randomized study of the faecal immunochemical test versus the guaiac faecal occult test. *Journal of medical screening* 2011, 18(3):135-141.
19. Blaya JA, Shin S, Contreras C, Yale G, Suarez C, Asencios L, Kim J, Rodriguez P, Cegielski P, Fraser HS: Full impact of laboratory information system requires direct use by clinical staff: cluster randomized controlled trial. *Journal of the American Medical Informatics Association : JAMIA* 2011, 18(1):11-16.
20. Bodin MC, Strandberg AK: The Orebro prevention programme revisited: a cluster-randomized effectiveness trial of programme effects on youth drinking. *Addiction (Abingdon, England)* 2011, 106(12):2134-2143.

21. Bojang KA, Akor F, Conteh L, Webb E, Bittaye O, Conway DJ, Jasseh M, Wiseman V, Milligan PJ, Greenwood B: Two strategies for the delivery of IPTc in an area of seasonal malaria transmission in the Gambia: a randomised controlled trial. *PLoS medicine* 2011, 8(2):e1000409.
22. Boorsma M, Frijters DH, Knol DL, Ribbe ME, Nijpels G, van Hout HP: Effects of multidisciplinary integrated care on quality of care in residential care facilities for elderly people: a cluster randomized trial. *CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne* 2011, 183(11):E724-732.
23. Boult C, Reider L, Leff B, Frick KD, Boyd CM, Wolff JL, Frey K, Karm L, Wegener ST, Mroz T et al: The effect of guided care teams on the use of health services: results from a cluster-randomized controlled trial. *Archives of internal medicine* 2011, 171(5):460-466.
24. Bourigault C, Lietard C, Golmard JL, Maman L, Nabet C, Carrat F, Lemaitre M, Lejeune B, de Wazieres B, Piette F et al: Impact of bucco-dental healthcare on the prevention of pneumonia in geriatrics: a cluster-randomised trial. *The Journal of hospital infection* 2011, 77(1):78-80.
25. Brooker DJ, Argyle E, Scally AJ, Clancy D: The enriched opportunities programme for people with dementia: a cluster-randomised controlled trial in 10 extra care housing schemes. *Aging & mental health* 2011, 15(8):1008-1017.
26. Brotons C, Soriano N, Moral I, Rodrigo MP, Kloppe P, Rodriguez AI, Gonzalez ML, Arino D, Orozco D, Buitrago F et al: Randomized clinical trial to assess the efficacy of a comprehensive programme of secondary prevention of cardiovascular disease in general practice: the PREseAP study. *Revista espanola de cardiologia* 2011, 64(1):13-20.
27. Brown K, Dormandy E, Reid E, Gulliford M, Marteau T: Impact on informed choice of offering antenatal sickle cell and thalassaemia screening in primary care: a randomized trial. *Journal of medical screening* 2011, 18(2):65-75.
28. Cabezas C, Advani M, Puente D, Rodriguez-Blanco T, Martin C: Effectiveness of a stepped primary care smoking cessation intervention: cluster randomized clinical trial (ISTAPS study). *Addiction (Abingdon, England)* 2011, 106(9):1696-1706.
29. Cameron ID, Kurrle SE, Quine S, Sambrook PN, March L, Chan DK, Lockwood K, Cook B, Schaafsma FF: Improving adherence with the use of hip protectors among older people living in nursing care facilities: a cluster randomized trial. *Journal of the American Medical Directors Association* 2011, 12(1):50-57.
30. Caria MP, Faggiano F, Bellocchio R, Galanti MR: Effects of a school-based prevention program on European adolescents' patterns of alcohol use. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine* 2011, 48(2):182-188.
31. Chan EC, McFall SL, Byrd TL, Mullen PD, Volk RJ, Ureda J, Calderon-Mora J, Morales P, Valdes A, Kay Bartholomew L: A community-based intervention to promote informed decision making for prostate cancer screening among Hispanic American men changed knowledge and role preferences: a cluster RCT. *Patient education and counseling* 2011, 84(2):e44-51.
32. Christen A, Duran Pacheco G, Hattendorf J, Arnold BF, Cevallos M, Indergand S, Colford JM, Mausezahl D: Factors associated with compliance among users of solar water disinfection in rural Bolivia. *BMC public health* 2011, 11:210.
33. Christensen JR, Faber A, Ekner D, Overgaard K, Holtermann A, Sogaard K: Diet, physical exercise and cognitive behavioral training as a combined workplace based intervention to reduce

body weight and increase physical capacity in health care workers - a randomized controlled trial. BMC public health 2011, 11:671.

34. Christian P, Labrique AB, Ali H, Richman MJ, Wu L, Rashid M, West KP, Jr.: Maternal vitamin A and beta-carotene supplementation and risk of bacterial vaginosis: a randomized controlled trial in rural Bangladesh. *The American journal of clinical nutrition* 2011, 94(6):1643-1649.
35. Christie J, Bunting B: The effect of health visitors' postpartum home visit frequency on first-time mothers: cluster randomised trial. *International journal of nursing studies* 2011, 48(6):689-702.
36. Coles CL, Labrique A, Saha SK, Ali H, Al-Emran H, Rashid M, Christian P, West KP, Jr., Klemm R: Newborn vitamin A supplementation does not affect nasopharyngeal carriage of *Streptococcus pneumoniae* in Bangladeshi infants at age 3 months. *The Journal of nutrition* 2011, 141(10):1907-1911.
37. Cooke LJ, Chambers LC, Anez EV, Croker HA, Boniface D, Yeomans MR, Wardle J: Eating for pleasure or profit: the effect of incentives on children's enjoyment of vegetables. *Psychological science* 2011, 22(2):190-196.
38. Crone MR, Spruijt R, Dijkstra NS, Willemsen MC, Paulussen TG: Does a smoking prevention program in elementary schools prepare children for secondary school? *Preventive medicine* 2011, 52(1):53-59.
39. Cutrer WB, Castro D, Roy KM, Turner TL: Use of an expert concept map as an advance organizer to improve understanding of respiratory failure. *Medical teacher* 2011, 33(12):1018-1026.
40. D'Acremont V, Kahama-Maro J, Swai N, Mtasiwa D, Genton B, Lengeler C: Reduction of anti-malarial consumption after rapid diagnostic tests implementation in Dar es Salaam: a before-after and cluster randomized controlled study. *Malaria journal* 2011, 10:107.
41. Dangour AD, Albala C, Allen E, Grundy E, Walker DG, Aedo C, Sanchez H, Fletcher O, Elbourne D, Uauy R: Effect of a nutrition supplement and physical activity program on pneumonia and walking capacity in Chilean older people: a factorial cluster randomized trial. *PLoS medicine* 2011, 8(4):e1001023.
42. DiStefano LJ, Blackburn JT, Marshall SW, Guskiewicz KM, Garrett WE, Padua DA: Effects of an age-specific anterior cruciate ligament injury prevention program on lower extremity biomechanics in children. *The American journal of sports medicine* 2011, 39(5):949-957.
43. Dirks M, Niessen LW, van Wijngaarden JD, Koudstaal PJ, Franke CL, van Oostenbrugge RJ, Huijsman R, Lingsma HF, Minkman MM, Dippel DW: Promoting thrombolysis in acute ischemic stroke. *Stroke; a journal of cerebral circulation* 2011, 42(5):1325-1330.
44. Driessens MT, Proper KI, Anema JR, Knol DL, Bongers PM, van der Beek AJ: The effectiveness of participatory ergonomics to prevent low-back and neck pain--results of a cluster randomized controlled trial. *Scandinavian journal of work, environment & health* 2011, 37(5):383-393.
45. Eaton CB, Parker DR, Borkan J, McMurray J, Roberts MB, Lu B, Goldman R, Ahern DK: Translating cholesterol guidelines into primary care practice: a multimodal cluster randomized trial. *Annals of family medicine* 2011, 9(6):528-537.
46. El-Bassel N, Jemmott JB, 3rd, Landis JR, Pequegnat W, Wingood GM, Wyatt GE, Bellamy SL: Intervention to influence behaviors linked to risk of chronic diseases: a multisite randomized controlled trial with African-American HIV-serodiscordant heterosexual couples. *Archives of internal medicine* 2011, 171(8):728-736.

47. Epstein JN, Langberg JM, Lichtenstein PK, Kolb R, Altaye M, Simon JO: Use of an Internet portal to improve community-based pediatric ADHD care: a cluster randomized trial. *Pediatrics* 2011, 128(5):e1201-1208.
48. Esfahanizadeh N: Dental health education programme for 6-year-olds: a cluster randomised controlled trial. *European journal of paediatric dentistry : official journal of European Academy of Paediatric Dentistry* 2011, 12(3):167-170.
49. Estrada CA, Safford MM, Salanitro AH, Houston TK, Curry W, Williams JH, Ovalle F, Kim Y, Foster P, Allison JJ: A web-based diabetes intervention for physician: a cluster-randomized effectiveness trial. *International journal for quality in health care : journal of the International Society for Quality in Health Care / ISQua* 2011, 23(6):682-689.
50. Ettl F, Testori C, Weiser C, Fleischhackl S, Mayer-Stickler M, Herkner H, Schreiber W, Fleischhackl R: Updated teaching techniques improve CPR performance measures: a cluster randomized, controlled trial. *Resuscitation* 2011, 82(6):730-735.
51. Ezendam NP, Brug J, Oenema A: Evaluation of the Web-based computer-tailored FATaintPHAT intervention to promote energy balance among adolescents: results from a school cluster randomized trial. *Archives of pediatrics & adolescent medicine* 2012, 166(3):248-255.
52. Facchin P, Rosa-Rizzotto M, Visona Dalla Pozza L, Turconi AC, Pagliano E, Signorini S, Tornetta L, Trabacca A, Fedrizzi E: Multisite trial comparing the efficacy of constraint-induced movement therapy with that of bimanual intensive training in children with hemiplegic cerebral palsy: postintervention results. *American journal of physical medicine & rehabilitation / Association of Academic Physiatrists* 2011, 90(7):539-553.
53. Faigenbaum AD, Farrell A, Fabiano M, Radler T, Naclerio F, Ratamess NA, Kang J, Myer GD: Effects of integrative neuromuscular training on fitness performance in children. *Pediatric exercise science* 2011, 23(4):573-584.
54. Feder G, Davies RA, Baird K, Dunne D, Eldridge S, Griffiths C, Gregory A, Howell A, Johnson M, Ramsay J et al: Identification and Referral to Improve Safety (IRIS) of women experiencing domestic violence with a primary care training and support programme: a cluster randomised controlled trial. *Lancet* 2011, 378(9805):1788-1795.
55. Fihn SD, Bucher JB, McDonell M, Diehr P, Rumsfeld JS, Doak M, Dougherty C, Gerrity M, Heidenreich P, Larsen G et al: Collaborative care intervention for stable ischemic heart disease. *Archives of internal medicine* 2011, 171(16):1471-1479.
56. Flather MD, Babalis D, Booth J, Bardaji A, Machecourt J, Opolski G, Ottani F, Bueno H, Banya W, Brady AR et al: Cluster-randomized trial to evaluate the effects of a quality improvement program on management of non-ST-elevation acute coronary syndromes: The European Quality Improvement Programme for Acute Coronary Syndromes (EQUIP-ACS). *American heart journal* 2011, 162(4):700-707 e701.
57. Foy R, Eccles MP, Hrisos S, Hawthorne G, Steen N, Gibb I, Croal B, Grimshaw J: A cluster randomised trial of educational messages to improve the primary care of diabetes. *Implementation science : IS* 2011, 6:129.
58. French SA, Gerlach AF, Mitchell NR, Hannan PJ, Welsh EM: Household obesity prevention: Take Action--a group-randomized trial. *Obesity (Silver Spring, Md)* 2011, 19(10):2082-2088.

59. Galfin JM, Watkins ER, Harlow T: Evaluation of a training programme to teach a guided self-help psychological intervention to hospice staff. *International journal of palliative nursing* 2011, 17(3):119-124.
60. Goldfeld S, Napiza N, Quach J, Reilly S, Ukoumunne OC, Wake M: Outcomes of a universal shared reading intervention by 2 years of age: the Let's Read trial. *Pediatrics* 2011, 127(3):445-453.
61. Guldborg TL, Vedsted P, Kristensen JK, Lauritzen T: Improved quality of Type 2 diabetes care following electronic feedback of treatment status to general practitioners: a cluster randomized controlled trial. *Diabetic medicine : a journal of the British Diabetic Association* 2011, 28(3):325-332.
62. Hanson LC, Carey TS, Caprio AJ, Lee TJ, Ersek M, Garrett J, Jackman A, Gilliam R, Wessell K, Mitchell SL: Improving decision-making for feeding options in advanced dementia: a randomized, controlled trial. *Journal of the American Geriatrics Society* 2011, 59(11):2009-2016.
63. Harris MF, Jayasinghe UW, Taggart JR, Christl B, Proudfoot JG, Crookes PA, Beilby JJ, Davies GP: Multidisciplinary Team Care Arrangements in the management of patients with chronic disease in Australian general practice. *The Medical journal of Australia* 2011, 194(5):236-239.
64. Hendrie GA, Golley RK: Changing from regular-fat to low-fat dairy foods reduces saturated fat intake but not energy intake in 4-13-y-old children. *The American journal of clinical nutrition* 2011, 93(5):1117-1127.
65. Hilberink SR, Jacobs JE, Breteler MH, de Vries H, Grol RP: General practice counseling for patients with chronic obstructive pulmonary disease to quit smoking: impact after 1 year of two complex interventions. *Patient education and counseling* 2011, 83(1):120-124.
66. Holton C, Crockett A, Nelson M, Ryan P, Wood-Baker R, Stocks N, Briggs N, Beilby J: Does spirometry training in general practice improve quality and outcomes of asthma care? *International journal for quality in health care : journal of the International Society for Quality in Health Care / ISQua* 2011, 23(5):545-553.
67. Hostler D, Everson-Stewart S, Rea TD, Stiell IG, Callaway CW, Kudenchuk PJ, Sears GK, Emerson SS, Nichol G: Effect of real-time feedback during cardiopulmonary resuscitation outside hospital: prospective, cluster-randomised trial. *BMJ (Clinical research ed)* 2011, 342:d512.
68. Humphrey LL, Shannon J, Partin MR, O'Malley J, Chen Z, Helfand M: Improving the follow-up of positive hemoccult screening tests: an electronic intervention. *Journal of general internal medicine* 2011, 26(7):691-697.
69. Huskins WC, Huckabee CM, O'Grady NP, Murray P, Kopetskie H, Zimmer L, Walker ME, Sinkowitz-Cochran RL, Jernigan JA, Samore M et al: Intervention to reduce transmission of resistant bacteria in intensive care. *The New England journal of medicine* 2011, 364(15):1407-1418.
70. Jackson C, Cheater FM, Harrison W, Peacock R, Bekker H, West R, Leese B: Randomised cluster trial to support informed parental decision-making for the MMR vaccine. *BMC public health* 2011, 11:475.
71. Jaglal SB, Donecru OS, Bansod V, Laprade J, Thorpe K, Hawker G, Majumdar SR, Meadows L, Cadarette SM, Papaioannou A et al: Impact of a centralized osteoporosis coordinator on post-fracture osteoporosis management: a cluster randomized trial. *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA* 2012, 23(1):87-95.

72. Jago R, McMurray RG, Drews KL, Moe EL, Murray T, Pham TH, Venditti EM, Volpe SL: HEALTHY intervention: fitness, physical activity, and metabolic syndrome results. *Medicine and science in sports and exercise* 2011, 43(8):1513-1522.
73. Jemmot JB, 3rd, Jemmot LS, O'Leary A, Ngwane Z, Icard L, Bellamy S, Jones S, Landis JR, Heeren GA, Tyler JC et al: Cognitive-behavioural health-promotion intervention increases fruit and vegetable consumption and physical activity among South African adolescents: a cluster-randomised controlled trial. *Psychology & health* 2011, 26(2):167-185.
74. Jorgensen MB, Ektor-Andersen J, Sjogaard G, Holtermann A, Sogaard K: A randomised controlled trial among cleaners--effects on strength, balance and kinesiophobia. *BMC public health* 2011, 11:776.
75. Kaczorowski J, Chambers LW, Dolovich L, Paterson JM, Karwalajtys T, Gierman T, Farrell B, McDonough B, Thabane L, Tu K et al: Improving cardiovascular health at population level: 39 community cluster randomised trial of Cardiovascular Health Awareness Program (CHAP). *BMJ (Clinical research ed)* 2011, 342:d442.
76. Kangwana BP, Kedenge SV, Noor AM, Alegana VA, Nyandigisi AJ, Pandit J, Fegan GW, Todd JE, Brooker S, Snow RW et al: The impact of retail-sector delivery of artemether-lumefantrine on malaria treatment of children under five in Kenya: a cluster randomized controlled trial. *PLoS medicine* 2011, 8(5):e1000437.
77. Kim NH, Kim M, Lee S, Yun NR, Kim KH, Park SW, Kim HB, Kim NJ, Kim EC, Park WB et al: Effect of routine sterile gloving on contamination rates in blood culture: a cluster randomized trial. *Annals of internal medicine* 2011, 154(3):145-151.
78. Koczy P, Becker C, Rapp K, Klie T, Beische D, Buchele G, Kleiner A, Guerra V, Rissmann U, Kurrle S et al: Effectiveness of a multifactorial intervention to reduce physical restraints in nursing home residents. *Journal of the American Geriatrics Society* 2011, 59(2):333-339.
79. Korbkitjaroen M, Vaithayapichet S, Kachintorn K, Jintanothaitavorn D, Wiruchkul N, Thamlikitkul V: Effectiveness of comprehensive implementation of individualized bundling infection control measures for prevention of health care-associated infections in general medical wards. *American journal of infection control* 2011, 39(6):471-476.
80. LaBella CR, Huxford MR, Grissom J, Kim KY, Peng J, Christoffel KK: Effect of neuromuscular warm-up on injuries in female soccer and basketball athletes in urban public high schools: cluster randomized controlled trial. *Archives of pediatrics & adolescent medicine* 2011, 165(11):1033-1040.
81. Larisch A, Reuss A, Oertel WH, Eggert K: Does the clinical practice guideline on Parkinson's disease change health outcomes? A cluster randomized controlled trial. *Journal of neurology* 2011, 258(5):826-834.
82. Law MC, Darrah J, Pollock N, Wilson B, Russell DJ, Walter SD, Rosenbaum P, Galuppi B: Focus on function: a cluster, randomized controlled trial comparing child- versus context-focused intervention for young children with cerebral palsy. *Developmental medicine and child neurology* 2011, 53(7):621-629.
83. Levine DA, Funkhouser EM, Houston TK, Gerald JK, Johnson-Roe N, Allison JJ, Richman J, Kiefe CI: Improving care after myocardial infarction using a 2-year internet-delivered intervention: the Department of Veterans Affairs myocardial infarction-plus cluster-randomized trial. *Archives of internal medicine* 2011, 171(21):1910-1917.

84. Li J, Caviness AC, Patel B: Effect of a triage team on length of stay in a pediatric emergency department. *Pediatric emergency care* 2011, 27(8):687-692.
85. Lim BS, Leung JW, Lee J, Yen D, Beckett L, Tancredi D, Leung FW: Effect of ERCP mechanical simulator (EMS) practice on trainees' ERCP performance in the early learning period: US multicenter randomized controlled trial. *The American journal of gastroenterology* 2011, 106(2):300-306.
86. Llargues E, Franco R, Recasens A, Nadal A, Vila M, Perez MJ, Manresa JM, Recasens I, Salvador G, Serra J et al: Assessment of a school-based intervention in eating habits and physical activity in school children: the AVall study. *Journal of epidemiology and community health* 2011, 65(10):896-901.
87. Llor C, Madurell J, Balague-Corbella M, Gomez M, Cots JM: Impact on antibiotic prescription of rapid antigen detection testing in acute pharyngitis in adults: a randomised clinical trial. *The British journal of general practice : the journal of the Royal College of General Practitioners* 2011, 61(586):e244-251.
88. Lopez-Picazo JJ, Ruiz JC, Sanchez JF, Ariza A, Aguilera B: A randomized trial of the effectiveness and efficiency of interventions to reduce potential drug interactions in primary care. *American journal of medical quality : the official journal of the American College of Medical Quality* 2011, 26(2):145-153.
89. Luoto R, Kinnunen TI, Aittasalo M, Kolu P, Raitanen J, Ojala K, Mansikkamaki K, Lamberg S, Vasankari T, Komulainen T et al: Primary prevention of gestational diabetes mellitus and large-for-gestational-age newborns by lifestyle counseling: a cluster-randomized controlled trial. *PLoS medicine* 2011, 8(5):e1001036.
90. MacIntyre CR, Wang Q, Cauchemez S, Seale H, Dwyer DE, Yang P, Shi W, Gao Z, Pang X, Zhang Y et al: A cluster randomized clinical trial comparing fit-tested and non-fit-tested N95 respirators to medical masks to prevent respiratory virus infection in health care workers. *Influenza and other respiratory viruses* 2011, 5(3):170-179.
91. Magnusson KT, Sigurgeirsson I, Sveinsson T, Johannsson E: Assessment of a two-year school-based physical activity intervention among 7-9-year-old children. *The international journal of behavioral nutrition and physical activity* 2011, 8:138.
92. McEachan RR, Lawton RJ, Jackson C, Conner M, Meads DM, West RM: Testing a workplace physical activity intervention: a cluster randomized controlled trial. *The international journal of behavioral nutrition and physical activity* 2011, 8:29.
93. Meyer C, Ulbricht S, Gross B, Kastel L, Wittrien S, Klein G, Skoeries BA, Rumpf HJ, John U: Adoption, reach and effectiveness of computer-based, practitioner delivered and combined smoking interventions in general medical practices: a three-arm cluster randomized trial. *Drug and alcohol dependence* 2012, 121(1-2):124-132.
94. Middleton S, McElduff P, Ward J, Grimshaw JM, Dale S, D'Este C, Drury P, Griffiths R, Cheung NW, Quinn C et al: Implementation of evidence-based treatment protocols to manage fever, hyperglycaemia, and swallowing dysfunction in acute stroke (QASC): a cluster randomised controlled trial. *Lancet* 2011, 378(9804):1699-1706.
95. Miller LD, Laye-Gindhu A, Bennett JL, Liu Y, Gold S, March JS, Olson BF, Waechtler VE: An effectiveness study of a culturally enriched school-based CBT anxiety prevention program. *Journal of clinical child and adolescent psychology : the official journal for the Society of Clinical Child and Adolescent Psychology, American Psychological Association, Division 53* 2011, 40(4):618-629.

96. Moore Z, Cowman S, Conroy RM: A randomised controlled clinical trial of repositioning, using the 30 degrees tilt, for the prevention of pressure ulcers. *Journal of clinical nursing* 2011, 20(17-18):2633-2644.
97. Mosnaim GS, Li H, Damitz M, Sharp LK, Li Z, Talati A, Mirza F, Richardson D, Rachelefsky G, Africk J et al: Evaluation of the Fight Asthma Now (FAN) program to improve asthma knowledge in urban youth and teenagers. *Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology* 2011, 107(4):310-316.
98. Mourad SM, Hermens RP, Liefers J, Akkermans RP, Zielhuis GA, Adang E, Grol RP, Nelen WL, Kremer JA: A multi-faceted strategy to improve the use of national fertility guidelines; a cluster-randomized controlled trial. *Human reproduction (Oxford, England)* 2011, 26(4):817-826.
99. Neuzil KM, Canh do G, Thiem VD, Janmohamed A, Huong VM, Tang Y, Diep NT, Tsu V, LaMontagne DS: Immunogenicity and reactogenicity of alternative schedules of HPV vaccine in Vietnam: a cluster randomized noninferiority trial. *JAMA : the journal of the American Medical Association* 2011, 305(14):1424-1431.
100. Ougrin D, Zundel T, Ng A, Banarsee R, Bottle A, Taylor E: Trial of Therapeutic Assessment in London: randomised controlled trial of Therapeutic Assessment versus standard psychosocial assessment in adolescents presenting with self-harm. *Archives of disease in childhood* 2011, 96(2):148-153.
101. Panunzio MF, Caporizzi R, Antoniciello A, Cela EP, D'Ambrosio P, Ferguson LR, Ruggeri S, Ugolini G, Carella F, Lagravinese D: Training the teachers for improving primary schoolchildren's fruit and vegetables intake: a randomized controlled trial. *Annali di igiene : medicina preventiva e di comunita* 2011, 23(3):249-260.
102. Peltzer K, Simbayi L, Banyini M, Kekana Q: HIV risk reduction intervention among traditionally circumcised young men in South Africa: a cluster randomized control trial. *The Journal of the Association of Nurses in AIDS Care : JANAC* 2011, 22(5):397-406.
103. Petersen J, Thorborg K, Nielsen MB, Budtz-Jorgensen E, Holmich P: Preventive effect of eccentric training on acute hamstring injuries in men's soccer: a cluster-randomized controlled trial. *The American journal of sports medicine* 2011, 39(11):2296-2303.
104. Puder JJ, Marques-Vidal P, Schindler C, Zahner L, Niederer I, Burgi F, Ebenegger V, Nydegger A, Kriemler S: Effect of multidimensional lifestyle intervention on fitness and adiposity in predominantly migrant preschool children (Ballabeina): cluster randomised controlled trial. *BMJ (Clinical research ed)* 2011, 343:d6195.
105. Regev-Yochay G, Raz M, Dagan R, Roizin H, Morag B, Hetman S, Ringel S, Ben-Israel N, Varon M, Somekh E et al: Reduction in antibiotic use following a cluster randomized controlled multifaceted intervention: the Israeli judicious antibiotic prescription study. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2011, 53(1):33-41.
106. Resnick B, Galik E, Gruber-Baldini A, Zimmerman S: Testing the effect of function-focused care in assisted living. *Journal of the American Geriatrics Society* 2011, 59(12):2233-2240.
107. Resnicow K, McMaster F, Woolford S, Slora E, Bocian A, Harris D, Drehmer J, Wasserman R, Schwartz R, Myers E et al: Study design and baseline description of the BMI2 trial: reducing paediatric obesity in primary care practices. *Pediatric obesity* 2012, 7(1):3-15.
108. Roca A, Hill PC, Townend J, Egere U, Antonio M, Bojang A, Akisanya A, Litchfield T, Nsekpong DE, Oluwalana C et al: Effects of community-wide vaccination with PCV-7 on pneumococcal

nasopharyngeal carriage in the Gambia: a cluster-randomized trial. PLoS medicine 2011, 8(10):e1001107.

109. Sankaranarayanan R, Ramadas K, Thara S, Muwonge R, Prabhakar J, Augustine P, Venugopal M, Anju G, Mathew BS: Clinical breast examination: preliminary results from a cluster randomized controlled trial in India. Journal of the National Cancer Institute 2011, 103(19):1476-1480.

110. Scales DC, Dainty K, Hales B, Pinto R, Fowler RA, Adhikari NK, Zwarenstein M: A multifaceted intervention for quality improvement in a network of intensive care units: a cluster randomized trial. JAMA : the journal of the American Medical Association 2011, 305(4):363-372.

111. Siega-Riz AM, El Ghormli L, Mobley C, Gillis B, Stadler D, Hartstein J, Volpe SL, Virus A, Bridgman J: The effects of the HEALTHY study intervention on middle school student dietary intakes. The international journal of behavioral nutrition and physical activity 2011, 8:7.

112. Slade GD, Bailie RS, Roberts-Thomson K, Leach AJ, Raye I, Endean C, Simmons B, Morris P: Effect of health promotion and fluoride varnish on dental caries among Australian Aboriginal children: results from a community-randomized controlled trial. Community dentistry and oral epidemiology 2011, 39(1):29-43.

113. Smith SM, Paul G, Kelly A, Whitford DL, O'Shea E, O'Dowd T: Peer support for patients with type 2 diabetes: cluster randomised controlled trial. BMJ (Clinical research ed) 2011, 342:d715.

114. Spijker A, Wollersheim H, Teerenstra S, Graff M, Adang E, Verhey F, Vernooij-Dassen M: Systematic care for caregivers of patients with dementia: a multicenter, cluster-randomized, controlled trial. The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry 2011, 19(6):521-531.

115. Stiell IG, Nichol G, Leroux BG, Rea TD, Ornato JP, Powell J, Christenson J, Callaway CW, Kudenchuk PJ, Aufderheide TP et al: Early versus later rhythm analysis in patients with out-of-hospital cardiac arrest. The New England journal of medicine 2011, 365(9):787-797.

116. Taft AJ, Small R, Hegarty KL, Watson LF, Gold L, Lumley JA: Mothers' AdvocateS In the Community (MOSAIC)--non-professional mentor support to reduce intimate partner violence and depression in mothers: a cluster randomised trial in primary care. BMC public health 2011, 11:178.

117. Tagbor H, Cairns M, Nakwa E, Browne E, Sarkodie B, Counihan H, Meek S, Chandramohan D: The clinical impact of combining intermittent preventive treatment with home management of malaria in children aged below 5 years: cluster randomised trial. Tropical medicine & international health : TM & IH 2011, 16(3):280-289.

118. Taveras EM, Gortmaker SL, Hohman KH, Horan CM, Kleinman KP, Mitchell K, Price S, Prosser LA, Rifas-Shiman SL, Gillman MW: Randomized controlled trial to improve primary care to prevent and manage childhood obesity: the High Five for Kids study. Archives of pediatrics & adolescent medicine 2011, 165(8):714-722.

119. Tomonaga Y, Gutzwiller F, Luscher TF, Riesen WF, Hug M, Diemand A, Schwenkglenks M, Szucs TD: Diagnostic accuracy of point-of-care testing for acute coronary syndromes, heart failure and thromboembolic events in primary care: a cluster-randomised controlled trial. BMC family practice 2011, 12:12.

120. Tylleskar T, Jackson D, Meda N, Engebretsen IM, Chopra M, Diallo AH, Doherty T, Ekstrom EC, Fadnes LT, Goga A et al: Exclusive breastfeeding promotion by peer counsellors in sub-Saharan Africa (PROMISE-EBF): a cluster-randomised trial. Lancet 2011, 378(9789):420-427.

121. van Gaal BG, Schoonhoven L, Mintjes JA, Borm GF, Hulscher ME, Defloor T, Habets H, Voss A, Vloet LC, Koopmans RT et al: Fewer adverse events as a result of the SAFE or SORRY? programme in hospitals and nursing homes. part i: primary outcome of a cluster randomised trial. International journal of nursing studies 2011, 48(9):1040-1048.
122. van Stralen MM, de Vries H, Mudde AN, Bolman C, Lechner L: The long-term efficacy of two computer-tailored physical activity interventions for older adults: main effects and mediators. Health psychology : official journal of the Division of Health Psychology, American Psychological Association 2011, 30(4):442-452.
123. Victor RG, Ravenell JE, Freeman A, Leonard D, Bhat DG, Shafiq M, Knowles P, Storm JS, Adhikari E, Bibbins-Domingo K et al: Effectiveness of a barber-based intervention for improving hypertension control in black men: the BARBER-1 study: a cluster randomized trial. Archives of internal medicine 2011, 171(4):342-350.
124. Vidal J, Borras PA, Ortega FB, Cantaloops J, Ponseti X, Palou P: Effects of postural education on daily habits in children. International journal of sports medicine 2011, 32(4):303-308.
125. Vyth EL, Steenhuis IH, Heymans MW, Roodenburg AJ, Brug J, Seidell JC: Influence of placement of a nutrition logo on cafeteria menu items on lunchtime food Choices at Dutch work sites. Journal of the American Dietetic Association 2011, 111(1):131-136.
126. West KP, Jr., Christian P, Labrique AB, Rashid M, Shamim AA, Klemm RD, Massie AB, Mehra S, Schulze KJ, Ali H et al: Effects of vitamin A or beta carotene supplementation on pregnancy-related mortality and infant mortality in rural Bangladesh: a cluster randomized trial. JAMA : the journal of the American Medical Association 2011, 305(19):1986-1995.
127. Yamaoka K, Watanabe M, Hida E, Tango T: Impact of group-based dietary education on the dietary habits of female adolescents: a cluster randomized trial. Public health nutrition 2011, 14(4):702-708.
128. Yarris LM, Fu R, LaMantia J, Linden JA, Gene Hern H, Lefebvre C, Nestler DM, Tupesis J, Kman N: Effect of an educational intervention on faculty and resident satisfaction with real-time feedback in the emergency department. Academic emergency medicine : official journal of the Society for Academic Emergency Medicine 2011, 18(5):504-512.
129. Zamorano J, Erdine S, Pavia A, Kim JH, Al-Khadra A, Westergaard M, Sutradhar S, Yunis C: Proactive multiple cardiovascular risk factor management compared with usual care in patients with hypertension and additional risk factors: the CRUCIAL trial. Current medical research and opinion 2011, 27(4):821-833.
130. Zebis MK, Andersen LL, Pedersen MT, Mortensen P, Andersen CH, Pedersen MM, Boysen M, Roessler KK, Hannerz H, Mortensen OS et al: Implementation of neck/shoulder exercises for pain relief among industrial workers: a randomized controlled trial. BMC musculoskeletal disorders 2011, 12:205.
131. Zurovac D, Sudoi RK, Akhwale WS, Ndiritu M, Hamer DH, Rowe AK, Snow RW: The effect of mobile phone text-message reminders on Kenyan health workers' adherence to malaria treatment guidelines: a cluster randomised trial. Lancet 2011, 378(9793):795-803.
132. Zwarenstein M, Fairall LR, Lombard C, Mayers P, Bheekie A, English RG, Lewin S, Bachmann MO, Bateman E: Outreach education for integration of HIV/AIDS care, antiretroviral treatment, and tuberculosis care in primary care clinics in South Africa: PALSA PLUS pragmatic cluster randomised trial. BMJ (Clinical research ed) 2011, 342:d2022.