

eTable 3. Details of the original and subsequent studies

No.	Original study								Subsequent study			Comparison of original and subsequent studies	
	Title	Design	Newspaper story in the year 2000	Participant	Intervention or exposure	Comparison	Outcome	ICD10	Title	Design	Outcome	“Unchallenged” or “Confirmed” or “Contradicted”	“Replicated” or “Initially stronger effects”
1	A comparison of etanercept and methotrexate in patients with early rheumatoid arthritis. <i>N Engl J Med. 2000 Nov 30;343(22):1586-93.</i>	RCT	Washington Post (November 30) Washington Post (December 5)	Early Rheumatoid arthritis	Etanercept	Methotrexate	Response (ACR-20)	M08	Different Original and Biosimilar TNF Inhibitors Similarly Reduce Joint Destruction in Rheumatoid Arthritis-A Network Meta-Analysis of 36 Randomized Controlled Trials. <i>Int J Mol Sci. 2019;20(18).</i>	SR and MA of RCTs	Percentage of the annual radiographic progression rate	Confirmed	-
2	A comparison of glyburide and insulin in women with gestational diabetes mellitus. <i>N Engl J Med. 2000 Oct 19;343(16):1134-8.</i>	RCT	Washington Post (October 31)	Gestational diabetes mellitus	Glyburide	Insulin	Glycemic control	O24	Glycemic control and neonatal outcomes in women with gestational diabetes mellitus treated using glyburide, metformin, or insulin: a pairwise and network meta-analysis. <i>BMC Endocr Disord. 2021;21(1):199.</i>	SR and MA of RCTs	Fasting blood glucose	Confirmed	Replicated - Original: SMD=0.18 - Subsequent: SMD=0.15 (-0.03 to 0.33)
3	A comparison of inhaled fluticasone and oral prednisone for children with severe acute asthma. <i>N Engl J Med. 2000 Sep 7;343(10):689-94.</i>	RCT	Washington Post (September 7)	Children with severe acute asthma	Inhaled fluticasone	Oral prednisone	Change in FEV <sub>1</sub>	J45	Inhaled Corticosteroids in Acute Asthma: A Systemic Review and Meta-Analysis. <i>J Allergy Clin Immunol Pract. 2020;8(2):605-17.e6.</i>	SR and MA of RCTs	Admission to hospital	Contradicted	-
4	A comparison of levomethadyl acetate, buprenorphine, and methadone for opioid dependence. <i>N Engl J Med. 2000 Nov 2;343(18):1290-7.</i>	RCT	Washington Post (November 2)	Opioid dependence	High dose methadone	Low dose methadone	Continued participation in the study	F11	A meta-analysis of retention in methadone maintenance by dose and dosing strategy. <i>Am J Drug Alcohol Abuse. 2009;35(1):28-33.</i>	SR and MA of RCTs	Adjusted retention rate	Confirmed	-
5	A comparison of nefazodone, the cognitive behavioral-analysis system of psychotherapy, and their combination for the treatment of chronic depression. <i>N Engl J Med. 2000 May 18;342(20):1462-70.</i>	RCT	New York Times (May 18)	Chronic depression	Nefazodone + Psychotherapy	1) Nefazodone only 2) Psychotherapy only	Hamilton depression rating scale	F33	None	-	-	Unchallenged	-
6	A controlled trial of sustained-release bupropion, a nicotine patch, or both for smoking cessation. <i>N Engl J Med. 1999 Mar 4;340(9):685-91.</i>	RCT	Daily Mirror (June 27)	Smoker	1) Sustained-release bupropion 2) Sustained-release bupropion + nicotine patch	Placebo	Abstinence	Z72	The effect of Varenicline and Bupropion on smoking cessation: A network meta-analysis of 20 randomized controlled trials. <i>Addict Behav. 2022;131:107329.</i>	SR and MA of RCTs	Number of people who quit smoking	Confirmed	-
7	A five-year study of the incidence of dyskinesia in patients with early Parkinson's disease who were treated with ropinirole or levodopa. <i>N Engl J Med. 2000 May 18;342(20):1484-91.</i>	RCT	Washington Post (May 23)	Early Parkinson's disease	Ropinirole	Levodopa	Incidence of dyskinesia	G20	None	-	-	Unchallenged	-

8	A placebo-controlled, double-blind, randomized trial of an extract of Ginkgo biloba for dementia. North American EGb Study Group. <i>JAMA. 1997 Oct 22-29;278(16):1327-32.</i>	RCT	New York Times (March 7)	Dementia	Ginkgo Biloba	Placebo	ADAS-Cog	F03	Ginkgo Biloba for Mild Cognitive Impairment and Alzheimer's Disease: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Curr Top Med Chem. 2016;16(5):520-8.</i>	SR and MA of RCTs	Cognitive function	Contradicted	-
9	A preliminary study of growth hormone therapy for Crohn's disease. <i>N Engl J Med. 2000 Jun 1;342(22):1633-7.</i>	RCT	New York Times (June 1) New York Times (August 15) Washington Post (June 1) Washington Post (June 6)	Crohn's disease	Growth hormone	Placebo	Crohn's Disease Activity Index	K50	None	-	-	Unchallenged	-
10	A prolonged outbreak of Pseudomonas aeruginosa in a neonatal intensive care unit: did staff fingernails play a role in disease transmission? <i>Infect Control Hosp Epidemiol. 2000 Feb;21(2):80-5.</i>	OS	Daily News (March 24)	Staff in NICU	Long nails or use of long artificial fingernails	Short nails	Incidence of infection of Pseudomonas Aeruginosa	A49	None	-	-	Unchallenged	-
11	A prospective study of coffee consumption and the risk of symptomatic gallstone disease in men. <i>JAMA. 1999 Jun 9;281(22):2106-12.</i>	OS	Daily Mail (August 1)	Men	More than two cups of coffee	No intake	Gallstone disease	Z72	Systematic review with meta-analysis: coffee consumption and the risk of gallstone disease. <i>Aliment Pharmacol Ther. 2015;42(6):637-48.</i>	SR and MA of OSs	Gallstone disease	Confirmed	Replicated - Original: RR=0.81 - Subsequent: RR=0.83 (0.78 to 0.89)
12	A prospective study of diet quality and mortality in women. <i>JAMA. 2000 Apr 26;283(16):2109-15.</i>	OS	Washington Post (April 26) Daily Mail (April 27) Daily Mirror (April 26)	Women	Current dietary guidelines	Stratified by Recommended Food Score	All-cause mortality	Z72	Evaluation of Dietary Patterns and All-Cause Mortality: A Systematic Review. <i>JAMA Netw Open. 2021;4(8):e2122277.</i>	SR of OSs	All-cause mortality	Confirmed	-
13	A randomized controlled trial of auricular acupuncture for cocaine dependence. <i>Arch Intern Med. 2000 Aug 14-28;160(15):2305-12.</i>	RCT	New York Times (August 15) Washington Post (August 14) Washington Post (August 22) USA Today (August 14)	Cocaine addiction	Acupuncture	1) Needle insertion 2) No-needle relaxation	Cocaine negative urine	F14	Acupuncture therapy for drug addiction. <i>Chin Med. 2016;11:16.</i>	SR of RCTs and OSs	Narrative description	Contradicted	-
14	A randomized, controlled trial of the effects of remote, intercessory prayer on outcomes in patients admitted to the coronary care unit. <i>Arch Intern Med. 1999 Oct 25;159(19):2273-8.</i>	RCT	USA Today (July 18)	CCU patients	Intercessory prayer	Usual care	MAHI-CCU score	unspecified	The Effect of Prayer on Patients' Health: Systematic Literature Review. <i>Religions. 2016;7(1).</i>	SR of RCTs	Narrative description	Confirmed	-
15	All-cause mortality associated with physical activity during leisure time, work, sports, and cycling to work. <i>Arch Intern Med. 2000 Jun 12;160(11):1621-8.</i>	OS	Daily Mirror (July 9)	General population	Leisure time physical activity	Sedentary	All-cause mortality	Z72	Protective Effect on Mortality of Active Commuting to Work: A Systematic Review and Meta-analysis. <i>Sports Med. 2020;50(12):2237-50.</i>	SR and MA of OSs	All-cause mortality	Confirmed	Initially stronger effects - Original: HR=0.72 - Subsequent: HR=0.91 (0.85 to 0.97)
16	Anti-digoxin Fab fragments in cardiotoxicity induced by ingestion of yellow oleander: a randomised controlled trial. <i>Lancet. 2000 Mar 18;355(9208):967-72.</i>	RCT	Daily Mail (April 2)	Cardiac arrhythmia	Anti-digoxin Fab	Placebo	ECG	I49	None	-	-	Unchallenged	-

17	Antitumor activity of thalidomide in refractory multiple myeloma. <i>N Engl J Med.</i> 1999 Nov 18;341(21):1565-71.	OS	New York Times (May 22) Washington Post (May 5)	Refractory myeloma	Thalidomide	No comparison	Decline in the level of paraprotein in serum or urine	C90	A systematic review of phase-II trials of thalidomide monotherapy in patients with relapsed or refractory multiple myeloma. <i>Br J Haematol.</i> 2006;132(5):584-93.	SR of OSs	Narrative description	Confirmed	-
18	Association of the California Tobacco Control Program with declines in cigarette consumption and mortality from heart disease. <i>N Engl J Med.</i> 2000 Dec 14;343(24):1772-7.	OS	New York Times (December 14)	General population	Tobacco Control Program	No program	Mortality from heart disease	Z72	Legislative smoking bans for reducing harms from secondhand smoke exposure, smoking prevalence and tobacco consumption. <i>Cochrane Database Syst Rev.</i> 2016;2(2):Cd005992.	SR of RCTs and OSs	Narrative description	Confirmed	-
19	Attendance at cultural events, reading books or periodicals, and making music or singing in a choir as determinants for survival: Swedish interview survey of living conditions. <i>BMJ.</i> 1996 Dec 21-28;313(7072):1577-80.	OS	Daily Telegraph (December 2)	General population	Attendance at cultural events "often"	Attendance at cultural events "rarely"	Survival	Z72	Social relationships and mortality risk: a meta-analytic review. <i>PLoS Med.</i> 2010;7(7):e1000316.	SR and MA of OSs	Survival	Confirmed	Replicated - Original: SMD=0.23 - Subsequent: SMD=0.25 (0.21 to 0.29)
20	Cardiopulmonary resuscitation by chest compression alone or with mouth-to-mouth ventilation. <i>N Engl J Med.</i> 2000 May 25;342(21):1546-53.	RCT	Washington Post (May 25)	Cardiopulmonary resuscitation	Chest compression alone	Chest compression with mouth-to-mouth ventilation	Survival to hospital discharge	I46	Current evidence of survival benefit between chest-compression only versus standard cardiopulmonary resuscitation in out-of-hospital cardiac arrest : Updated systematic review and meta-analysis of randomized controlled trials with trial sequential analysis. <i>Herz.</i> 2021;46(Suppl 2):198-208.	SR and MA of RCTs	Survival to hospital discharge	Confirmed	Replicated - Original: SMD=0.21 - Subsequent: SMD=0.12 (0.01 to 0.24)
21	Cognitive decline in women in relation to non-protein-bound oestradiol concentrations. <i>Lancet.</i> 2000 Aug 26;356(9231):708-12.	OS	Daily Mail (August 25)	Older women	High oestrogens	Low oestrogens	Cognitive impairment	F03	Blood-based biomarkers in hypothalamic-pituitary axes for the risk of dementia or cognitive decline: a systematic review and meta-analysis. <i>Aging (Albany NY).</i> 2020;12(20):20350-65.	SR and MA of OSs	Risk of dementia and cognitive decline	Contradicted	-
22	Community water fluoridation, bone mineral density, and fractures: prospective study of effects in older women. <i>BMJ.</i> 2000 Oct 7;321(7265):860-4.	OS	Daily Mail (October 6)	Older women	Water fluoridation	No exposure	Hip fractures	M80	Exposure to fluoride in drinking water and hip fracture risk: a meta-analysis of observational studies. <i>PLoS One.</i> 2015;10(5):e0126488.	SR and MA of OSs	Hip fractures	Contradicted	-
23	Comparison of leg compression stocking and oral horse-chestnut seed extract therapy in patients with chronic venous insufficiency. <i>Lancet.</i> 1996 Feb 3;347(8997):292-4.	RCT	Daily Mail (December 26)	Chronic venous insufficiency	Horse chestnut seed extract	Placebo	Logarithmically transformed volume data	I87	None	-	-	Unchallenged	-
24	Comparison of lifestyle and structured interventions to increase physical activity and cardiorespiratory fitness: a randomized trial. <i>JAMA.</i> 1999 Jan 27;281(4):327-34.	RCT	Washington Post (January 11)	Sedentary men and women	Lifestyle physical activity program	Traditional structured exercise	Energy expenditure	Z72	Effectiveness of Structured Physical Activity Interventions Through the Evaluation of Physical Activity Levels, Adoption, Retention, Maintenance, and Adherence Rates: A Systematic Review and Meta-Analysis.	SR and MA of RCTs and OSs	Physical activity level	Confirmed	-

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25	Comparison of St John's wort and imipramine for treating depression: randomised controlled trial. <i>BMJ. 2000 Sep 2;321(7260):536-9.</i>	RCT	USA Today (September 5) Daily Mail (September 1) Daily Mirror (September 1) Daily Mirror (September 2)	Depression	Hypericum	Imipramine	Hamilton depression rating scale	F32	A systematic review of St. John's wort for major depressive disorder. <i>Syst Rev. 2016;5(1):148.</i>	SR and MA of RCTs	Responder rate	Confirmed	Replicated - Original: RR=1.08 - Subsequent: RR=1.01 (0.90 to 1.14)
26	Comparison of wet combing with malathion for treatment of head lice in the UK: a pragmatic randomised controlled trial. <i>Lancet. 2000 Aug 12;356(9229):540-4.</i>	RCT	Times (August 24) Daily Mail (September 5) Daily Mirror (September 7)	Head lice	Malathion	Bug-busting (wet combing with a fine-toothed comb)	Presence of live lice	B85	Single blind, randomised, comparative study of the Bug Buster kit and over the counter pediculicide treatments against head lice in the United Kingdom. <i>Bmj. 2005;331(7513):384-7.</i>	RCT	Cure rate	Contradicted	-
27	Dexamethasone alone or in combination with ondansetron for the prevention of delayed nausea and vomiting induced by chemotherapy. The Italian Group for Antiemetic Research. <i>N Engl J Med. 2000 May 25;342(21):1554-9.</i>	RCT	Washington Post (May 30)	Chemotherapy	Dexamethasone or dexamethasone plus ondansetron	Placebo	Delayed vomiting and moderate-to-severe nausea	R11	None	-	-	Unchallenged	-
28	Directly observed therapy for treatment completion of pulmonary tuberculosis: Consensus Statement of the Public Health Tuberculosis Guidelines Panel. <i>JAMA. 1998 Mar 25;279(12):943-8.</i>	SR of RCTs and OSs	USA Today (October 16)	Pulmonary tuberculosis	Directly observed therapy	Standard care	Treatment completion	A15	Interventions to improve adherence to tuberculosis treatment: systematic review and meta-analysis. <i>Int J Tuberc Lung Dis. 2018;22(7):731-40.</i>	SR and MA of RCTs	Cure rate	Confirmed	-
29	Efavirenz plus zidovudine and lamivudine, efavirenz plus indinavir, and indinavir plus zidovudine and lamivudine in the treatment of HIV-1 infection in adults. Study 006 Team. <i>N Engl J Med. 1999 Dec 16;341(25):1865-73.</i>	RCT	USA Today (October 16)	HIV-1 infection	Combination of efavirenz, zidovudine, and lamivudine	Combination of indinavir, zidovudine, and lamivudine	Suppression of plasma HIV-1 RNA	B24	Initial highly-active antiretroviral therapy with a protease inhibitor versus a non-nucleoside reverse transcriptase inhibitor: discrepancies between direct and indirect meta-analyses. <i>Lancet. 2006;368(9546):1503-15.</i>	SR and MA of RCTs	Virological suppression	Confirmed	Initially stronger effects - Original: SMD=0.47 - Subsequent: SMD=0.26 (0.15 to 0.37)
30	Effect of a surgical training programme on outcome of rectal cancer in the County of Stockholm. Stockholm Colorectal Cancer Study Group, Basingstoke Bowel Cancer Research Project. <i>Lancet. 2000 Jul 8;356(9224):93-6.</i>	OS	Times (July 7)	Rectal cancer	Surgical training programme	Historical controls	Recurrence prevention	C18	Systematic review of quality improvement interventions directed at cancer specialists. <i>J Clin Oncol. 2013;31(12):1583-91.</i>	SR of RCTs and OSs	Narrative description	Contradicted	-
31	Effect of breastfeeding and formula feeding on transmission of HIV-1: a randomized clinical trial. <i>JAMA. 2000 Mar 1;283(9):1167-74.</i>	RCT	Daily News (March 1)	HIV-1 seropositive women	Breast milk substitutes	Breastfeeding	Infant HIV-1 infection	B24	Interventions for preventing late postnatal mother-to-child transmission of HIV. <i>Cochrane Database Syst Rev. 2009;2009(1):Cd006734.</i>	SR of RCTs	Narrative description	Confirmed	-

32	Effect of decreasing afferent vagal activity with ondansetron on symptoms of bulimia nervosa: a randomised, double-blind trial. <i>Lancet. 2000 Mar 4;355(9206):792-7.</i>	RCT	Washington Post (March 14) Daily Mail (March 3)	Bulimia nervosa	Ondansetron	Placebo	Number of binge/vomit episodes	F50	None	-	-	Unchallenged	-
33	Effect of exercise on coronary endothelial function in patients with coronary artery disease. <i>N Engl J Med. 2000 Feb 17;342(7):454-60.</i>	RCT	Washington Post (February 22)	Coronary artery disease	Exercise	Treatment as usual	Response to acetylcholine	I25	None	-	-	Unchallenged	-
34	Effect of lung-volume-reduction surgery in patients with severe emphysema. <i>N Engl J Med. 2000 Jul 27;343(4):239-45.</i>	RCT	Washington Post (July 27)	Emphysema	Lung-volume-reduction surgery	Medication	Changes in FEV1	J43	Surgical and endoscopic interventions that reduce lung volume for emphysema: a systemic review and meta-analysis. <i>Lancet Respir Med. 2019;7(4):313-24.</i>	SR and MA of RCTs	Mortality	Confirmed	-
35	Effectiveness of a hospital-wide programme to improve compliance with hand hygiene. Infection Control Programme. <i>Lancet. 2000 Oct 14;356(9238):1307-12.</i>	OS	Daily Mirror (October 13)	Hospital staff	Hand hygiene campaign	No comparison	Compliance with hand hygiene	A49	Interventions to improve hand hygiene compliance in patient care. <i>Cochrane Database Syst Rev. 2017;9(9):Cd005186.</i>	SR of RCTs and OSs	Narrative description	Confirmed	-
36	Effectiveness of manual physical therapy and exercise in osteoarthritis of the knee. A randomized, controlled trial. <i>Ann Intern Med. 2000 Feb 1;132(3):173-81.</i>	RCT	Washington Post (February 8)	Osteoarthritis	Manual physical therapy and exercise	Subtherapeutic ultrasound	Western Ontario and McMaster Universities Osteoarthritis Index score	M19	The Efficacy of Manual Therapy in Patients with Knee Osteoarthritis: A Systematic Review. <i>Medicina (Kaunas). 2021;57(7).</i>	SR of RCTs		Confirmed	
37	Effects of selenium supplementation for cancer prevention in patients with carcinoma of the skin. A randomized controlled trial. Nutritional Prevention of Cancer Study Group. <i>JAMA. 1996 Dec 25;276(24):1957-63.</i>	RCT	Daily Mail (September 12) Daily Mail (December 19)	Skin carcinoma	Selenium supplementation	Placebo	Incidence of basal and squamous cell carcinomas of skin	C44	-	-	-	*	-
38	Efficacy and safety of acetaminophen in the treatment of migraine: results of a randomized, double-blind, placebo-controlled, population-based study. <i>Arch Intern Med. 2000 Dec 11-25;160(22):3486-92.</i>	RCT	Washington Post (December 19)	Migraine	Acetaminophen	Placebo	Headache response	G43	Paracetamol (acetaminophen) with or without an antiemetic for acute migraine headaches in adults. <i>Cochrane Database Syst Rev. 2013;2013(4):Cd008040.</i>	SR and MA of RCTs	Pain-free at 2 hours	Confirmed	Replicated - Original: SMD=0.45 - Subsequent: SMD=0.38 (0.13 to 0.64)
39	Efficacy and safety of sertraline treatment of posttraumatic stress disorder: a randomized controlled trial. <i>JAMA. 2000 Apr 12;283(14):1837-44.</i>	RCT	Washington Post (April 18)	PTSD	Sertraline	Placebo	CAPS-2 total severity score	F43	Pharmacotherapy for post traumatic stress disorder (PTSD). <i>Cochrane Database Syst Rev. 2022;3(3):Cd002795.</i>	SR and MA of RCTs	CGI-I responder	Confirmed	Replicated - Original: SMD=0.26 - Subsequent: SMD=0.27 (0.15 to 0.40)

40	Efficacy of selective serotonin-reuptake inhibitors in premenstrual syndrome: a systematic review. <i>Lancet. 2000 Sep 30;356(9236):1131-6.</i>	SR and MA of RCTs	Washington Post (October 17) Times (October 12) Daily Mail (September 29) Daily Mail (September 29)	Premenstrual syndrome	SSRI	Placebo	Reduction in overall PMS symptoms	N94	Selective serotonin reuptake inhibitors for premenstrual syndrome. <i>Cochrane Database Syst Rev. 2013;2013(6):Cd001396.</i>	SR and MA of RCTs	All symptoms (end scores)	Confirmed	
41	Efficacy of voluntary HIV-1 counselling and testing in individuals and couples in Kenya, Tanzania, and Trinidad: a randomised trial. The Voluntary HIV-1 Counseling and Testing Efficacy Study Group. <i>Lancet. 2000 Jul 8;356(9224):103-12.</i>	RCT	Daily Mail (July 10)	Individual or couple patients in Kenya	HIV voluntary counselling and testing	Basic health information	Unprotected intercourse	B24	Systematic review of couple-based HIV intervention and prevention studies: advantages, gaps, and future directions. <i>AIDS Behav. 2014;18(10):1864-87.</i>	SR of RCTs and OSs	Narrative description	Confirmed	-
42	Enduring effects of nurse home visitation on maternal life course: a 3-year follow-up of a randomized trial. <i>JAMA. 2000 Apr 19;283(15):1983-9.</i>	RCT	Washington Post (May 2)	Pregnant women with sociodemographic risk factors	Home visitation of nurse	Assessment only	Subsequent pregnancy	Z35	None	-	-	Unchallenged	-
43	Etanercept in children with polyarticular juvenile rheumatoid arthritis. Pediatric Rheumatology Collaborative Study Group. <i>N Engl J Med. 2000 Mar 16;342(11):763-9.</i>	RCT	Washington Post (March 16)	Children with polyarticular juvenile rheumatoid arthritis	Etanercept	Placebo	Number of patients with disease flare	M08	The benefit-risk balance for biological agents in juvenile idiopathic arthritis: a meta-analysis of randomized clinical trials. <i>Rheumatology (Oxford). 2020;59(9):2226-36.</i>	SR and MA of RCTs	Relapse	Confirmed	-
44	Exercise and weight loss reduce blood pressure in men and women with mild hypertension: effects on cardiovascular, metabolic, and hemodynamic functioning. <i>Arch Intern Med. 2000 Jul 10;160(13):1947-58.</i>	RCT	Washington Post (July 18)	Mild hypertension	Aerobic exercise	Waiting list	Blood pressure	I10	Meta-Analysis of the Effect of Aerobic Training on Blood Pressure in Hypertensive Patients. <i>Comput Math Methods Med. 2022;2022:9281661.</i>	SR and MA of RCTs and OSs	Blood pressure	Confirmed	-
45	Folic acid antagonists during pregnancy and the risk of birth defects. <i>N Engl J Med. 2000 Nov 30;343(22):1608-14.</i>	OS	USA Today (November 30)	Pregnant women	Folic acid component of multivitamins	No comparison	Cardiovascular defects of infants	Z35	Maternal folic acid supplementation and the risk of congenital heart defects in offspring: a meta-analysis of epidemiological observational studies. <i>Sci Rep. 2015;5:8506.</i>	SR and MA of OSs	Risk of congenital heart defects	Confirmed	-
46	Gastrointestinal toxicity with celecoxib vs nonsteroidal anti-inflammatory drugs for osteoarthritis and rheumatoid arthritis: the CLASS study: A randomized controlled trial. Celecoxib Long-term Arthritis Safety Study. <i>JAMA. 2000 Sep 13;284(10):1247-55.</i>	RCT	Washington Post (September 19)	Osteoarthritis	Celecoxib	NSAIDs	Symptomatic upper GI ulcers	K25	Celecoxib for osteoarthritis. <i>Cochrane Database Syst Rev. 2017;5(5):Cd009865.</i>	SR and MA of RCTs	Number experiencing gastro-intestinal events	Contradicted	-
				Rheumatoid arthritis			Symptomatic upper GI ulcers		Celecoxib for rheumatoid arthritis. <i>Cochrane Database Syst Rev. 2017;6(6):Cd012095.</i>	SR and MA of RCTs	Incidence of gastroduodenal ulcers ≥ 3mm	Confirmed	-

47	Glucosamine and chondroitin for treatment of osteoarthritis: a systematic quality assessment and meta-analysis. <i>JAMA. 2000 Mar 15;283(11):1469-75.</i>	SR and MA of RCTs	Washington Post (March 21) Washington Post (May 16) Daily News (June 4)	Osteoarthritis	Glucosamine, Chondroitin	Placebo	Treatment effect defined in each primary study	M19	The Efficacy and Safety of Disease-Modifying Osteoarthritis Drugs for Knee and Hip Osteoarthritis-a Systematic Review and Network Meta-Analysis. <i>J Gen Intern Med. 2021;36(7):2085-93.</i>	SR and MA of RCTs	Treatment effect defined in each primary study	Confirmed	-
48	Group B streptococcal disease in the era of intrapartum antibiotic prophylaxis. <i>N Engl J Med. 2000 Jan 6;342(1):15-20.</i>	OS	USA Today (January 6)	Pregnant women	Prophylactic intrapartum antibiotics	Historical controls	Group B streptococcal disease in newborn (less than 7 days)	Z35	Intrapartum antibiotics for known maternal Group B streptococcal colonization. <i>Cochrane Database Syst Rev. 2014(6):Cd007467.</i>	SR and MA of RCTs	Early (postnatal age less than 7 days) Group B streptococcal infection in a neonate	Confirmed	-
49	HMG-CoA reductase inhibitors and the risk of fractures. <i>JAMA. 2000 Jun 28;283(24):3205-10.</i>	OS	Washington Post (June 28) Washington Post (July 4)	General population aged at least 50 years	HMG-CoA reductase inhibitors	No use	Fractures	S_ unspecifi ed	Effects of Statins on Relative Risk of Fractures for Older Adults: An Updated Systematic Review With Meta-Analysis. <i>J Am Med Dir Assoc. 2019;20(12):1566-78.e3.</i>	SR and MA of RCTs and OSs	Risk of fracture	Contradicted	-
50	Homicide and suicide rates associated with implementation of the Brady Handgun Violence Prevention Act. <i>JAMA. 2000 Aug 2;284(5):585-91.</i>	OS	USA Today (August 2)	General population	Brady Handgun Violence Prevention Act	No comparison	Homicide and suicide	T14	-	-	-	*	-
51	Hypericum extract versus imipramine or placebo in patients with moderate depression: randomised multicentre study of treatment for eight weeks. <i>BMJ. 1999 Dec 11;319(7224):1534-8.</i>	RCT	Times (January 27) Daily Mirror (January 4)	Depression	Hypericum	Placebo	Hamilton depression rating scale	F32	A systematic review of St. John's wort for major depressive disorder. <i>Syst Rev. 2016;5(1):148.</i>	SR and MA of RCTs	Depression scale score at 4 weeks or larger	Confirmed	Replicated - Original: RR=1.40 - Subsequent: RR=1.53 (1.19 to 1.97)
52	Immunologic and virologic effects of subcutaneous interleukin 2 in combination with antiretroviral therapy: A randomized controlled trial. <i>JAMA. 2000 Jul 12;284(2):183-9.</i>	RCT	Daily News (July 8)	HIV	Interleukin 2 and antiretroviral therapy	Antiretroviral therapy alone	CD4 cell count	B24	Interleukin-2 as an adjunct to antiretroviral therapy for HIV-positive adults. <i>Cochrane Database Syst Rev. 2017;5(5):Cd009818.</i>	SR and MA of RCTs	CD4 cell count and mortality	Contradicted	-
53	Impact of zanamivir on antibiotic use for respiratory events following acute influenza in adolescents and adults. <i>Arch Intern Med. 2000 Nov 27;160(21):3234-40.</i>	SR and MA of RCTs	Washington Post (December 12)	Acute influenza in adolescents and adults	Zanamivir	Placebo	Respiratory events leading to antibiotic prescriptions	J10	Effectiveness and safety of neuraminidase inhibitors in reducing influenza complications: a meta-analysis of randomized controlled trials. <i>J Antimicrob Chemother. 2010;65(7):1330-46.</i>	SR and MA of RCTs	Additional antibiotic treatment	Contradicted	-
54	Incidence of cancer after prophylaxis with warfarin against recurrent venous thromboembolism. Duration of Anticoagulation Trial.	RCT	Washington Post (June 29) Washington Post (July 18)	Venous thromboembolism	Vitamin K antagonists for six months	Vitamin K antagonists for six weeks	Incidence of cancer	I74	Long-Term Vitamin K Antagonists and Cancer Risk: A Systematic Review and Meta-Analysis. <i>Am J Clin Oncol. 2019;42(9):717-24.</i>	SR and MA of RCTs and OSs	Incidence of cancer	Confirmed	Initially stronger effects - Original: HR=0.60 - Subsequent: SMD=0.81 (0.67 to 0.97)

<i>N Engl J Med. 2000 Jun 29;342(26):1953-8.</i>													
55	Influenza vaccination and the risk of primary cardiac arrest.	OS	Times (October 9)	General population	Influenza vaccination	No influenza vaccination	Primary cardiac arrest	I46	Association of Influenza Vaccination With Cardiovascular Risk: A Meta-analysis.	SR and MA of RCTs	Major Adverse Cardiovascular Events	Confirmed	-
<i>Am J Epidemiol. 2000 Oct 1;152(7):674-7.</i>													
56	Inhaled zanamivir for the prevention of influenza in families. Zanamivir Family Study Group.	RCT	New York Times (November 7)	Influenza in families	Inhaled zanamivir	Placebo	Household protection	J10	Use of neuraminidase inhibitors for rapid containment of influenza: a systematic review and meta-analysis of individual and household transmission studies.	SR and MA of RCTs and OSs	Household protection	Confirmed	Replicated - Original: SMD=0.95 - Subsequent: SMD=0.95 (0.65 to 1.27)
<i>N Engl J Med. 2000 Nov 2;343(18):1282-9.</i>													
57	Inhibitors of hydroxymethylglutaryl-coenzyme A reductase and risk of fracture among older women.	OS	Washington Post (June 28) Washington Post (July 4) Daily News (June 23)	Older women	Inhibitors of hydroxymethylglutaryl-coenzyme A reductase	No dispensing	Fracture	S_ unspecifi ed	Effects of Statins on Relative Risk of Fractures for Older Adults: An Updated Systematic Review With Meta-Analysis.	SR and MA of RCTs and OSs	Fracture	Contradicted	-
<i>Lancet. 2000 Jun 24;355(9222):2185-8.</i>													
58	Irinotecan plus fluorouracil and leucovorin for metastatic colorectal cancer. Irinotecan Study Group.	RCT	New York Times (September 26) Washington Post (September 28) Washington Post (October 3) Daily News (September 28)	Metastatic colorectal cancer	Irinotecan plus fluorouracil and leucovorin	Irinotecan	Overall survival	C18	Irinotecan chemotherapy combined with fluoropyrimidines versus irinotecan alone for overall survival and progression-free survival in patients with advanced and/or metastatic colorectal cancer.	SR and MA of RCTs	Overall survival	Contradicted	-
<i>N Engl J Med. 2000 Sep 28;343(13):905-14.</i>													
59	Islet transplantation in seven patients with type 1 diabetes mellitus using a glucocorticoid-free immunosuppressive regimen.	Case series	New York Times (May 27) New York Times (June 25) New York Times (August 25) Washington Post (June 13)	Type 1 diabetes mellitus	Islet transplantation	No comparison	Glycemic Control	E10	Islet transplantation versus insulin therapy in patients with type 1 diabetes with severe hypoglycaemia or poorly controlled glycaemia after kidney transplantation (TRIMECO): a multicentre, randomised controlled trial.	RCT	Modified $\beta$ -score	Confirmed	-
<i>N Engl J Med. 2000 Jul 27;343(4):230-8.</i>													
60	Lamivudine as initial treatment for chronic hepatitis B in the United States.	RCT	Washington Post (February 6)	Chronic hepatitis B	Lamivudine	Placebo	Histologic Activity Index	B16	A comparative network meta-analysis of standard of care treatments in treatment-naïve chronic hepatitis B patients.	SR and MA of RCTs	HBeAg seroconversion	Confirmed	-
<i>N Engl J Med. 1999 Oct 21;341(17):1256-63.</i>													
<i>J Comp Eff Res. 2020;9(15):1051-65.</i>													



61	Lipid concentrations and the use of lipid lowering drugs: evidence from a national cross sectional survey. <i>BMJ. 2000 Nov 25;321(7272):1322-5.</i>	OS	Times (November 24) Daily Mail (November 24)	General population	Lipid lowering drugs	No comparison	Lipid concentrations	E78	-	-	-	*	-
62	Long-term effects of budesonide or nedocromil in children with asthma. The Childhood Asthma Management Program Research Group. <i>N Engl J Med. 2000 Oct 12;343(15):1054-63.</i>	RCT	New York Times (October 24) Washington Post (October 31)	Children with asthma	Budesonide	Placebo	FEV <sub>1</sub>	J45	-	-	-	*	-
63	Low cardiorespiratory fitness and physical inactivity as predictors of mortality in men with type 2 diabetes. <i>Ann Intern Med. 2000 Apr 18;132(8):605-11.</i>	OS	New York Times (May 23) Washington Post (May 9)	Men with type 2 diabetes mellitus	Physical active	Physically inactive	Mortality	E11	None	-	-	Unchallenged	-
64	Low-dose inhaled corticosteroids and the prevention of death from asthma. <i>N Engl J Med. 2000 Aug 3;343(5):332-6.</i>	OS	New York Times (August 3) Washington Post (August 3) Washington Post (August 8)	Asthma	Inhaled corticosteroids	Nonuse	Mortality	J45	None	-	-	Unchallenged	-
65	Motion sickness, ginger, and psychophysics. <i>Lancet. 1982 Mar 20;1(8273):655-7.</i>	RCT	Daily Mirror (November 12)	Motion sickness	Zingiber officinale	Placebo	Gastrointestinal sensations	T75	A. Ginger in gastrointestinal disorders: A systematic review of clinical trials. <i>Food Sci Nutr. 2019;7(1):96-108.</i>	SR of RCTs	Narrative description	Confirmed	-
66	Nefopam for severe hiccups. <i>N Engl J Med. 2000 Dec 28;343(26):1973-4.</i>	Case series	Daily Mail (December 29)	Hiccups	Nefopam	No comparison	Hiccups stop	R06	Pharmacologic Interventions for Intractable and Persistent Hiccups: A Systematic Review. <i>J Emerg Med. 2017;53(4):540-9.</i>	SR of RCTs and OSs	Narrative description	Confirmed	-
67	Olive oil and reduced need for antihypertensive medications. <i>Arch Intern Med. 2000 Mar 27;160(6):837-42.</i>	RCT	Washington Post (April 4)	Hypertension	Olive oil	Sunflower oil	Blood pressure	I10	Beneficial effects of dietary supplementation with olive oil, oleic acid, or hydroxytyrosol in metabolic syndrome: Systematic review and meta-analysis. <i>Free Radic Biol Med. 2021;172:372-85.</i>	SR and MA of RCTs and OSs	Blood pressure	Contradicted	-
68	Ondansetron for reduction of drinking among biologically predisposed alcoholic patients: A randomized controlled trial. <i>JAMA. 2000 Aug 23-30;284(8):963-71.</i>	RCT	Washington Post (August 23) Washington Post (August 29) Daily News (August 23)	Alcoholism	Ondansetron	Placebo	Drink per day	F10	Emerging pharmacotherapies for alcohol dependence: a systematic review focusing on reduction in consumption. <i>Drug Alcohol Depend. 2013;133(1):15-29.</i>	SR of RCTs and OSs	Narrative description	Confirmed	-
69	Peginterferon alfa-2a in patients with chronic hepatitis C. <i>N Engl J Med. 2000 Dec 7;343(23):1666-72.</i>	RCT	Washington Post (December 7)	Chronic hepatitis C	Peginterferon alfa-2a	Interferon alfa-2a	Virologic response	B18	Systematic review: peginterferon vs. standard interferon in the treatment of chronic hepatitis C. <i>Aliment Pharmacol Ther. 2003;18(7):661-70.</i>	SR of RCTs	Narrative description	Confirmed	-
70	Peginterferon alfa-2a in patients with chronic hepatitis C and cirrhosis. <i>N Engl J Med. 2000 Dec 7;343(23):1673-80.</i>	RCT	Washington Post (December 7)	Chronic hepatitis C and cirrhosis	Peginterferon alfa-2a	Interferon alfa-2a	Virologic response	B18	Systematic review: peginterferon vs. standard interferon in the treatment of chronic hepatitis C. <i>Aliment Pharmacol Ther. 2003;18(7):661-70.</i>	SR of RCTs	Narrative description	Confirmed	-
71	Physical activity and risk of stroke in women. <i>JAMA. 2000 Jun 14;283(22):2961-7.</i>	OS	Washington Post (June 14) Washington Post (June 20) Daily Mail (June 15)	Women	Physical activity	Low physical activity	Stroke	Z72	Sex Differences in Physical Activity and Incident Stroke: A Systematic Review. <i>Clin Ther. 2022;44(4):586-611.</i>	SR of OSs	Narrative description	Confirmed	-

72	Pravastatin therapy and the risk of stroke. <i>N Engl J Med.</i> 2000 Aug 3;343(5):317-26.	RCT	New York Times (December 23) Washington Post (August 8)	Myocardial infarction or unstable angina	Pravastatin	Placebo	Stroke	I21	Comparison of statins for secondary prevention in patients with ischemic stroke or transient ischemic attack: a systematic review and network meta-analysis. <i>BMC Med.</i> 2019;17(1):67.	SR and MA of RCTs	Cardiovascular event	Contradicted	-
73	Prevention of hip fracture in elderly people with use of a hip protector. <i>N Engl J Med.</i> 2000 Nov 23;343(21):1506-13.	RCT	Washington Post (November 24) Washington Post (November 28)	Elderly people	Hip protector	No use	Hip fracture	S32	Hip protectors for preventing hip fractures in older people. <i>Cochrane Database Syst Rev.</i> 2014(3):Cd001255.	SR and MA of RCTs	Hip fracture	Contradicted	-
74	Prevention of pulmonary embolism and deep vein thrombosis with low dose aspirin: Pulmonary Embolism Prevention (PEP) trial. <i>Lancet.</i> 2000 Apr 15;355(9212):1295-302.	RCT	Daily Telegraph (November 18) Daily Telegraph (December 9) Daily Mail (April 14)	Hip fracture and elective arthroplasty	Low dose aspirin	Placebo	Venous thrombo-embolism	I82	None	-	-	Unchallenged	-
75	Prospective evaluation of Roux-en-Y gastric bypass as primary operation for medically complicated obesity. <i>Mayo Clin Proc.</i> 2000 Jul;75(7):673-80.	OS	Washington Post (August 22)	Obesity	Roux-en-Y Gastric Bypass	No comparison	Body weight	E66	Surgery for weight loss in adults. <i>Cochrane Database Syst Rev.</i> 2014;2014(8):Cd003641.	SR and MA of RCTs	Mean weight	Confirmed	-
76	Randomised controlled trial of homoeopathy versus placebo in perennial allergic rhinitis with overview of four trial series. <i>BMJ.</i> 2000 Aug 19-26;321(7259):471-6.	Trial series of RCTs	Daily Mail (August 18)	Allergic rhinitis	Homoeopathy	Placebo	Nasal inspiratory peak flow	J30	Homeopathy for Allergic Rhinitis: A Systematic Review. <i>J Altern Complement Med.</i> 2017;23(6):426-44.	SR and MA of RCTs	Nasal symptom relief	Confirmed	-
77	Relationship of symptom-onset-to-balloon time and door-to-balloon time with mortality in patients undergoing angioplasty for acute myocardial infarction. <i>JAMA.</i> 2000 Jun 14;283(22):2941-7.	OS	New York Times (June 20)	Acute myocardial infarction	Minimizing door-to-balloon times	Door-to-balloon times longer than 2 hours	In-hospital mortality	I21	Coronary intervention door-to-balloon time and outcomes in ST-elevation myocardial infarction: a meta-analysis. <i>Heart.</i> 2018;104(16):1362-9.	SR and MA of OSs	Myocardial infarction with ST-segment elevation mortality	Confirmed	Replicated - Original: SMD=0.14 - Subsequent: SMD=0.18 (0.10 to 0.27)
78	Reversion of prion protein conformational changes by synthetic beta-sheet breaker peptides. <i>Lancet.</i> 2000 Jan 15;355(9199):192-7.	Laboratory study	Times (January 14) Times (May 11) Daily Mail (January 14)	Prion-related disorders	Beta-sheet breaker peptides	No comparison	Delayed the appearance of clinical symptoms	A81	None	-	-	Unchallenged	-
79	Saw palmetto extracts for treatment of benign prostatic hyperplasia: a systematic review. <i>JAMA.</i> 1998 Nov 11;280(18):1604-9.	SR and MA of RCTs	Daily News (September 25)	Benign prostatic hyperplasia	Saw palmetto extracts	Placebo	Urologic symptom scale	N40	Clinical Efficacy of <i>Serenoa repens</i> Versus Placebo Versus Alpha-blockers for the Treatment of Lower Urinary Tract Symptoms/Benign Prostatic Enlargement: A Systematic Review and Network Meta-analysis of Randomized Placebo-controlled Clinical Trials. <i>Eur Urol Focus.</i> 2021;7(2):420-31.	SR and MA of RCTs	International Prostate Symptom Score	Contradicted	-

80	Siblings, day-care attendance, and the risk of asthma and wheezing during childhood. <i>N Engl J Med.</i> 2000 Aug 24;343(8):538-43.	OS	New York Times (August 31) Washington Post (August 29) USA Today (August 24)	Young children	Exposure to older children	One or no siblings and no day care	Asthma	J45	Day-care center attendance and risk of Asthma-A systematic review. <i>Allergol Immunopathol (Madr).</i> 2018;46(6):578-84.	SR and MA of OSs	Risk of asthma	Contradicted	-
81	Smoking reduction with oral nicotine inhalers: double blind, randomised clinical trial of efficacy and safety. <i>BMJ.</i> 2000 Aug 5;321(7257):329-33.	RCT	Washington Post (August 22)	Smoker	Oral nicotine inhaler	Placebo inhaler	Smoking reduction	Z72	Smoking cessation medicines and e-cigarettes: a systematic review, network meta-analysis and cost-effectiveness analysis. <i>Health Technol Assess.</i> 2021;25(59):1-224.	SR and MA of RCTs and OSs	Sustained abstinence	Confirmed	-
82	Smoking, smoking cessation, and lung cancer in the UK since 1950: combination of national statistics with two case-control studies. <i>BMJ.</i> 2000 Aug 5;321(7257):323-9.	Trial series Of OSs	Washington Post (August 3) Daily Mail (August 3) Daily Mirror (August 3)	Smoker	Smoking cessation	Smoking	Lung cancer prevalence	C34	Lifetime Smoking History and Risk of Lung Cancer: Results From the Framingham Heart Study. <i>J Natl Cancer Inst.</i> 2018;110(11):1201-7.	OS	Lung cancer risk	Confirmed	-
83	St John's wort for depression: a systematic review. <i>Arch Intern Med.</i> 2000 Jan 24;160(2):152-6.	SR of RCTs	Washington Post (February 15)	Depression	Hypericum	Placebo	Response	F32	A systematic review of St. John's wort for major depressive disorder. <i>Syst Rev.</i> 2016;5(1):148.	SR and MA of RCTs	Response	Confirmed	-
84	Systematic review of water fluoridation. <i>BMJ.</i> 2000 Oct 7;321(7265):855-9.	SR and MA of OSs	Daily Mail (October 6)	Children	Fluoridated water	Non-fluoridated water	Decayed, missing, and filled primary/permanent teeth	K02	Effectiveness of water fluoridation in an upper-middle-income country: A systematic review and meta-analysis. <i>Int J Paediatr Dent.</i> 2022;32(4):503-13.	SR and MA of OSs	Decayed, missing, and filled teeth index	Confirmed	-
85	The effect of celecoxib, a cyclooxygenase-2 inhibitor, in familial adenomatous polyposis. <i>N Engl J Med.</i> 2000 Jun 29;342(26):1946-52.	RCT	Washington Post (June 29)	Familial adenomatous polyposis	Celecoxib	Placebo	Number of colorectal polyps	D12	None	-	-	Unchallenged	-
86	The effectiveness of vaccination against influenza in healthy, working adults. <i>N Engl J Med.</i> 1995 Oct 5;333(14):889-93.	RCT	Times (October 9)	Healthy working adults	Influenza vaccination	Placebo	Episodes of upper respiratory illness	J11	Vaccines for preventing influenza in healthy adults. <i>Cochrane Database Syst Rev.</i> 2018;2(2):Cd001269.	SR and MA of RCTs	Influenza-like illness	Confirmed	Replicated - Original: SMD=0.20 - Subsequent: SMD=0.15 (0.08 to 0.22)
87	The impact of an antismoking media campaign on progression to established smoking: results of a longitudinal youth study. <i>Am J Public Health.</i> 2000 Mar;90(3):380-6.	OS	Washington Post (March 1) Washington Post (March 26)	Younger adolescents	Antismoking media campaign exposure	No exposure	Established smoking	Z72	Using mass media campaigns to reduce youth tobacco use: a review. <i>Am J Health Promot.</i> 2015;30(2):e71-82.	SR of OSs	Narrative description	Confirmed	-
88	The Krukenberg procedure: a surgical option for the treatment of double hand amputees in Sierra Leone. <i>Lancet.</i> 2000 Sep 23;356(9235):1072-5.	Case series	New York Times (September 22)	Double hand amputees	Krukenberg procedure	No comparison	Grasping strength	S48	None	-	-	Unchallenged	-
89	The volume of primary angioplasty procedures and survival after acute myocardial infarction. National Registry of Myocardial Infarction 2 Investigators.	OS	New York Times (June 20)	Acute myocardial infarction	Higher volume of primary angioplasty	Lower volume	Mortality	I21	The relation between volume and outcome of coronary interventions: a systematic review and meta-analysis. <i>Eur Heart J.</i> 2010;31(16):1985-92.	SR and MA of OSs	In-hospital mortality	Confirmed	Replicated - Original: SMD=0.08 - Subsequent: SMD=0.08 (0.06 to 0.10)

<i>N Engl J Med. 2000 May 25;342(21):1573-80.</i>													
90	Transdermal testosterone treatment in women with impaired sexual function after oophorectomy.	RCT	New York Times (September 7) Washington Post (September 7) Times (November 16)	Women with impaired sexual function after oophorectomy	Testosterone	Placebo	Composite score of Brief Index of Sexual Functioning	F52	Safety and efficacy of testosterone for women: a systematic review and meta-analysis of randomised controlled trial data.	SR and MA of RCTs	Sexual desire	Confirmed	Replicated - Original: SMD=0.25 - Subsequent: SMD=0.26 (0.13 to 0.39)
<i>N Engl J Med. 2000 Sep 7;343(10):682-8.</i>													
91	Treatment of dysthymia and minor depression in primary care: A randomized controlled trial in older adults.	RCT	Daily News (October 2)	Minor depression or dysthymia	Paroxetine	Placebo	HSCL-D-20	F34	Efficacy and tolerability of antidepressants for sub-threshold depression and for mild major depressive disorder.	SR and MA of RCTs	Narrative description	Contradicted	-
<i>JAMA. 2000 Sep 27;284(12):1519-26.</i>													
92	Treatment of hypertension with ascorbic acid.	RCT	New York Times (January 4) Daily Mail (January 11)	Hypertension	Ascorbic acid	Placebo	Systolic blood pressure	I10	Effects of vitamin C supplementation on essential hypertension: A systematic review and meta-analysis.	SR and MA of RCTs	Systolic blood pressure	Confirmed	-
<i>Lancet. 1999 Dec 11;354(9195):2048-9.</i>													
93	Treatment of warfarin-associated coagulopathy with oral vitamin K: a randomised controlled trial.	RCT	Washington Post (November 14)	Warfarin-associated coagulopathy	Vitamin K	Placebo	International normalised ratio	D68	Vitamin K for reversal of excessive vitamin K antagonist anticoagulation: a systematic review and meta-analysis.	SR and MA of RCTs	International normalised ratio	Contradicted	-
<i>Lancet. 2000 Nov 4;356(9241):1551-3.</i>													
94	Trends in the incidence of coronary heart disease and changes in diet and lifestyle in women.	OS	Washington Post (August 24)	Women	Diet and lifestyle change	Historical controls	Nonfatal myocardial infarction or fatal coronary disease	Z72	Lifestyle factors, cardiovascular disease and all-cause mortality in middle-aged and elderly women: a systematic review and meta-analysis.	SR and MA of OSs	Cardiovascular disease, coronary heart disease, stroke, all-cause mortality etc.	Confirmed	-
<i>N Engl J Med. 2000 Aug 24;343(8):530-7.</i>													
95	Triggering of sudden death from cardiac causes by vigorous exertion.	OS	New York Times (November 9)	Men	Habitual vigorous exercise	No habitual vigorous exercise	Sudden death	Z72	None	-	-	Unchallenged	-
<i>N Engl J Med. 2000 Nov 9;343(19):1355-61.</i>													
96	Type of alcohol consumed and mortality from all causes, coronary heart disease, and cancer.	OS	Times (October 12)	General population	Wine drinking	Non-wine drinking	Cancer risk	Z72	A meta-analysis of alcohol consumption and the risk of brain tumours.	SR and MA of OSs	Brain cancer risk	Contradicted	-
<i>Ann Intern Med. 2000 Sep 19;133(6):411-9.</i>													

									Alcohol Consumption by Beverage Type and Risk of Breast Cancer: A Dose-Response Meta-Analysis of Prospective Cohort Studies.	SR and MA of OSs	Breast cancer risk	Contradicted	-
									<i>Alcohol Alcohol. 2020;55(3):246-53.</i>				
									Association between Alcohol Consumption and Survival in Colorectal Cancer: A Meta-analysis.	SR and MA of OSs	Colorectal cancer risk	Confirmed	-
									<i>Cancer Epidemiol Biomarkers Prev. 2019;28(11):1891-901.</i>				
									Alcohol consumption and the risk of endometrial cancer: a meta-analysis.	SR and MA of OSs	Endometrial cancer risk	Contradicted	-
									<i>Asia Pac J Clin Nutr. 2011;20(1):125-33.</i>				
									Alcohol intake, alcoholic beverage type and multiple myeloma risk: a meta-analysis of 26 observational studies.	SR and MA of OSs	Multiple myeloma risk	Confirmed	-
									<i>Leuk Lymphoma. 2015;56(5):1484-501.</i>				
									A meta-analysis of alcohol drinking and oral and pharyngeal cancers: results from subgroup analyses.	SR and MA of OSs	Oral and Pharyngeal cancer risk	Contradicted	-
									<i>Alcohol Alcohol. 2013;48(1):107-18.</i>				
									Alcohol Consumption and the Risk of Prostate Cancer: A Dose-Response Meta-Analysis.	SR and MA of OSs	Prostate cancer risk	Contradicted	-
									<i>Nutrients. 2020;12(8).</i>				
97	Use of automated external defibrillators by a U.S. airline.	OS	New York Times (October 26) Washington Post (November 9)	Passengers in airline	Automated external defibrillators	No use	Mortality	I46	A Systematic Review of Pediatric and Adult In-Flight Medical Emergencies.	SR of OSs	Narrative description	Confirmed	-
									<i>N Engl J Med. 2000 Oct 26;343(17):1210-6.</i> <i>Int J Pediatr. 2018;2018:6596490.</i>				
98	Vaginal misoprostol administered 1, 2, or 3 days after mifepristone for early medical abortion: A randomized trial.	RCT	USA Today (October 18)	Abortion	Misoprostol administration 1 day after mifepristone	Misoprostol administration from 2 to 3 days after mifepristone	Complete medical abortion without surgical intervention	O04	Medical termination for pregnancy in early first trimester ( $\leq 63$ days) using combination of mifepristone and misoprostol or misoprostol alone: a systematic review.	SR and MA of RCTs	Successful abortion	Confirmed	-
									<i>JAMA. 2000 Oct 18;284(15):1948-53.</i> <i>BMC Womens Health. 2020;20(1):142.</i>				
99	Vitamin E consumption and the risk of coronary disease in women.	OS	Daily Mail (November 21)	Women	High vitamin E intake	Low vitamin E intake	Coronary heart disease	I21	Effect of antioxidant vitamin supplementation on cardiovascular outcomes: a meta-analysis of randomized controlled trials.	SR and MA of RCTs	Myocardial infarction	Contradicted	-
									<i>N Engl J Med. 1993 May 20;328(20):1444-9.</i> <i>PLoS One. 2013;8(2):e56803.</i>				
100	Yoga-based intervention for carpal tunnel syndrome: a randomized trial.	RCT	Washington Post (October 17) USA Today (February 23)	Carpal tunnel syndrome	Yoga	Standard wrist splint	Grip strength	G56	None	-	-	Unchallenged	-
									<i>JAMA. 1998 Nov 11;280(18):1601-3.</i>				

Abbreviations: RCT, randomized controlled trial; OS, observational study; SR, systematic review; MA, meta-analysis \*: The primary outcome of original study did not indicate the effectiveness.