

Table 3 – TCIM Literature Review Summary

Summary of studies included studies, quality appraisal results, and thematic contributions. This table presents the studies included in the systematic review, their quality appraisal outcomes using the Newcastle–Ottawa Scale or the Critical Appraisal Skills Programme, and the key themes identified in each study.

No.	Author/s	Year	Title	Country	Aim of study	Type of study	Population description	Sample	Technique	Study funding sources	Conflicts of interest	NOS Stars/6	CASP	Perceptions and Attitudes	Behaviours	Facilitators	Barriers
1	Adams et al.	2022	Practitioner and practice characteristics of Australian osteopaths who discuss lifestyle factors with patients: Findings from a national practice-based research network	Australia	Examine the practitioner and practice characteristics, and clinical management of osteopaths who discuss common lifestyle topics with patients in Australia. These topics include diet/nutrition, smoking/drugs/alcohol, physical activity/fitness, and stress management.	Cross sectional study	Osteopath	992	Survey	Osteopathy Australia	None	6	N/A		X	X	
2	Fernandez et al.	2019	The prevalence and determinants of physical activity promotion by Australian chiropractors: A cross-sectional study	Australia	Examine the prevalence and characteristics of Australian chiropractors who frequently discuss patient physical activity.	Cross sectional study	Chiropractor	2005	Survey	Australian Chiropractors Association (ACA)	Not stated	6	N/A		X	X	X
3	Fikar et al.	2015	Current preventative and health promotional care offered to patients by chiropractors in the United Kingdom: a survey	United Kingdom	To determine if care is being provided by UK chiropractors in regard to preventative healthcare and health promotion, particularly in the areas of nutrition, physical fitness and exercise, psychosocial wellbeing, smoking and alcohol consumption. Also to identify to what extent such care is provided.	Cross sectional study	Chiropractor	509	Survey	Not stated	None	5	N/A	X	X	X	
4	Harnett et al.	2022	Naturopathic practitioners' approach to caring for people with cardiovascular disease risk factors: A cross-cultural cross-sectional study reporting the providers perspective	United States and Australia	Conduct a cross-cultural survey to obtain information about how Naturopathic Practitioners in the United States and Australia approach the management of people living with CVD risk factors.	Cross sectional study	Naturopath	151	Survey	None	Not stated	4	N/A		X		
5	Hawk & Dusio	1995	A survey of 492 US Chiropractors on primary-care and prevention related issues	United States	Gain information on the issue of scope of chiropractic practice, particularly in relation to primary care and prevention.	Cross sectional study	Chiropractor	492	Survey	Not stated	Not stated	6	N/A	X	X		
6	Hawk et al.	2004	A survey of US chiropractors on clinical preventive services	United States	Assess baseline attitudes of current chiropractic students, public health faculty, and field practitioners toward the topics of clinical preventive and health promotion services.	Cross sectional study	Chiropractor	496	Survey	Foundation for Chiropractic Education and Research	Not stated	5	N/A	X	X	X	
7	Hopton et al.	2012	Acupuncture in practice: mapping the providers, the patients and the settings in a national cross-sectional survey	United Kingdom	Investigate the current state of Acupuncture practice in the UK. Survey the major professional associations in order to characterise the practitioners, the conditions that are most commonly treated and some characteristics of the treatment process.	Cross sectional study	Acupuncturist	330	Survey	National Institute of Health Research Career Scientist Award, awarded to Hugh MacPherson	None	5	N/A		X		
8	Jamison	2002	Health information and promotion in chiropractic clinics	Australia	Assess the willingness of chiropractors to encourage patient self-care through educational measures and to ascertain the health information interest shared by chiropractors and their patients. Explore health information topics and strategies chiropractors were willing to use to enable their patients to make informed everyday lifestyle choices. Identify health information initiatives intrinsic to the practice of maintenance care. Assess the willingness of chiropractors to advise patients on injury prevention and the extent to which chiropractors themselves avoided work-related injury.	Cross sectional study	Chiropractor	138	Survey	Australian Spinal Research Foundation	Not stated	3	N/A	X	X		
9	Lee et al.	2018	The use of nutritional guidance within chiropractic patient management: a survey of 333 chiropractors from the ACORN practice-based research network	Australia	Measure the proportion of chiropractors who apply nutritional management; identifying methods used to assess nutritional status of patients; and identifying how chiropractors guide and educate their patients regarding nutrition.	Cross sectional study	Chiropractor	333	Survey	None	Not stated	6	N/A		X		
10	Mistry et al.	2018	Attitudes and self-reported practices of New Zealand osteopaths to exercise consultation	New Zealand	Survey New Zealand (NZ) osteopaths to investigate attitudes towards exercise consultation in the context of both general health and specific medical conditions, determine the proportion of NZ osteopaths who practice exercise consultation for general health and specific medical conditions, and identify factors influencing these attitudes and practices.	Cross sectional study	Osteopath	125	Survey	Not stated	RM (author) is an Executive Editor of the journal but was not involved in decisions regarding this manuscript. No other conflicts of interest declared.	5	N/A	X	X	X	X

11	Muramoto et al.	2015	Intervention development for integration of conventional tobacco cessation interventions into routine CAM practice	United States	Describe the iterative community based participatory research (CBPR) process used to develop the CAMR intervention protocol and the resulting intervention that included both a patient/client centred tobacco cessation BI training and a practice system intervention tailored for CAM practitioners.	Mixed method study	Chiropractor, Acupuncturist, Massage Therapist	Interview 11 (3 chiropractors, 3 acupuncturists, 5 massage therapists) Survey: 356. Differences in response rate by discipline: chiropractors, 30% (n = 56); acupuncturists 50% (n = 63); massage therapists, 19% (n = 237).	Interviews and survey	National Cancer Institute	None	3	Yes		X	X		X
12	Newman et al.	1989	Nutrition-related backgrounds and counseling practices of doctors of chiropractic	United States	Examine the nutrition counseling practices of San Francisco Bay Area Chiropractic Society members and determine whether there are any relationships among their counseling practices, nutrition education backgrounds, and sources of nutrition information.	Cross sectional study	Chiropractor	100 or 99, unclear	Survey	Not stated	Not stated	4	N/A			X		
13	Pinto et al.	2022	Lifestyle and health behaviour change support in traditional acupuncture: a mixed method survey study of reported practice (UK)	United Kingdom	Establish the prevalence of UK traditional Acupuncturists support for lifestyle and health behaviour change (LHBC) and the patterns of support across different behaviours (particularly diet, physical activity, alcohol consumption, smoking and sleep hygiene) and across different patients (those presenting with acute/chronic conditions). Test which Theory of Planned Behaviour (TPB) variables and other practitioner characteristics predict acupuncturists engagement in LHBC support. What factors might guide clinical decisions about when to first offer LHBC support.	Mixed method study	Acupuncturist	352	Survey with both quantitative and qualitative questions	British Acupuncture Council and University of South Hampton VC scholarship	JWP is a member of the BAoC and has received a BAoC Research Award towards this research. FLB has received speaker's honoraria from the BAoC. DN & KB declare that they have no competing interests.	5	Yes		X	X	X	X
14	Rupert	2000	A survey of practice patterns and the health promotion and prevention attitudes of US chiropractors. Maintenance care: Part I	United States	Explore primary care prevention and health promotion attitudes and practice patterns of chiropractors, in particular the concept of maintenance care.	Cross sectional study	Chiropractor	658	Survey	National Chiropractic Mutual Insurance Company and Cleveland Chiropractic College, Kansas City, Mo, and administered by the Foundation for Chiropractic Education and Research	Interests not stated	5	N/A		X	X		
15	Sawyer & Boline	1990	Chiropractic attitudes about exercise and other health behaviors	United States	Examine health promotion attitudes of Chiropractic Doctors, specifically their views regarding the importance of exercise and other key health behaviours.	Cross sectional study	Chiropractor	371	Survey	Not stated	Not stated	4	N/A		X	X		X
16	Sherman et al.	2005	The practice of acupuncture: Who are the providers and what do they do?	United States	Provide basic information about the training and practices of licensed Acupuncturists.	Cross sectional study	Acupuncturist	217	Survey	Grants from the Group Health Foundation, the Agency for Healthcare Policy and Research, the National Institutes of Health. In-kind support was provided by the Centers for Disease Control and Prevention	None	4	N/A			X		
17	Steel et al. (a)	2020	Overview of international naturopathic practice and patient characteristics: results from a cross-sectional study in 14 countries	Other: Portugal, United Kingdom, Switzerland, Spain, Canada, United States, Chile, Brazil, Hong Kong, India, Nepal, Australia, New Zealand and South Africa.	Describe the characteristics of typical Naturopathic practices and their associated patients internationally.	Cross sectional study	Naturopath	56	Survey	World Naturopathic Federation (WNF)	None	4	N/A			X		

18	Steel et al. (b)	2020	Integrative physiology and traditional naturopathic practice: Results of an international observational study	Other: European (Portugal, United Kingdom, Switzerland, Spain), Americas (Canada, United States, Chile, Brazil), Western Pacific (Hong Kong, Australia, New Zealand) and African (South Africa) world regions.	Characterise Naturopathic practice as it relates to the identification of multiple physiological systems in the diagnosis and treatment of patients.	Cross sectional study	Naturopath	56	Survey	World Naturopathic Federation (WNF). Representatives of the WNF were involved in preliminary stages of study design and analysis.	AS is an editorial board member of this journal but editorial board member status had no bearing on editorial consideration. The authors have no other conflict of interest to declare.	4	N/A		X	X			
19	Steel & Lloyd	2021	Community education and health promotion activities of naturopathic practitioners: results of an international cross-sectional survey	Other: World regions North America, Latin American, South East Asian, European, Western Pacific, Other (African, Eastern Mediterranean, not specified).	Examine health promotion behaviours of Naturopathic Practitioners internationally.	Cross sectional study	Naturopath	813	Survey	No funding was provided to support this research. The World Naturopathic Federation provided funds for the open access publication and had input in the design of the study and interpretation of the results of the analysis.	None	4	N/A		X	X	X		
20	Steel et al. (c)	2020	The naturopathic profession in Australia: A secondary analysis of the Practitioner Research and Collaboration Initiative (PRACI)	Australia	Describe the characteristics of Naturopaths and Naturopathy practice in Australia.	Cross sectional study	Naturopath	281	Survey	Endeavour College of Natural Health	None	4	N/A		X	X			
21	Steel et al.	2017	An overview of the Practitioner Research and Collaboration Initiative (PRACI): a practice-based research network for complementary medicine	Australia	Update on the progress of the Practitioner Research Collaboration Initiative (PRACI) project and describes the characteristics of PRACI members in order to inform and facilitate further sub-studies through the PRACI Practice based Research Network (PBRN).	Cross sectional study	Multi-modality; Massage therapy, Naturopathy, Noncomplementary medicine health qualification, Nutrition, Reflexology, Acupuncture, Western herbal medicine, Myotherapy, Aromatherapy, Homeopathy, Chinese Herbal Medicine, Bowen therapy, Kinesiology, Yoga, Ayurveda.	764	Survey	Endeavour College of Natural Health	None	4	N/A		X				
22	Tripodi et al.	2021	Osteopaths' perspectives on patient adherence to self-management strategies: A qualitative content analysis	Australia	Assess osteopaths perceptions of patient adherence to self-management strategies and evaluate the practitioner perceived patient barriers and enablers in osteopathic practice.	Interviews	Osteopath	14	One-on-one semi structured interviews	None	None	N/A	Yes				X	X	
23	Walker et al.	2000	Provision of nutrition counseling, referrals to registered dietitians, and sources of nutrition information among practicing chiropractors in the United States	United States	Examine Chiropractors' provision of nutrition counseling, referrals to registered dietitians, and sources of nutrition information. Determine Chiropractors' knowledge of the minimum educational requirement for registered dietitians and evaluation of the nutrition training received in chiropractic schools.	Cross sectional study	Chiropractor	375	Survey	Not stated	Not stated	5	N/A		X	X		X	
24	Ziegler et al.	2023	Discrepant perceptions of biopsychosocial and active care recommendations between doctors of chiropractic and midlife and older adult patients: A descriptive survey	United States	To assess perceptions about the inclusion of biopsychosocial and active care recommendations during chiropractic clinical encounters between Chiropractic Doctors and their midlife and older adult patients and identify if there were any discrepancies between their recollections	Cross sectional study	Chiropractor	29	Survey	NCIMC Foundation	None	3	N/A		X	X			