

The Global Spine Care Initiative: methodology, contributors, and disclosures

Online Supplemental File

Table 1 Table of contents chapter list for the GSCI project

Topic	DOI	Title
Executive Summary	https://doi.org/10.1007/s00586-018-5722-x	The Global Spine Care Initiative: World Spine Care executive summary on reducing spine-related disability in low- and middle-income communities
Methodology	https://doi.org/10.1007/s00586-018-5723-9	The Global Spine Care Initiative: methodology, contributors, and disclosures
Global burden	https://doi.org/10.1007/s00586-017-5432-9	The Global Spine Care Initiative: a summary of the global burden of low back and neck pain studies.
Community burden	https://doi.org/10.1007/s00586-017-5393-z	The Global Spine Care Initiative: a systematic review of individual and community-based burden of spinal disorders in rural populations in low- and middle-income communities.
Assessment	https://doi.org/10.1007/s00586-017-5446-3	The Global Spine Care Initiative: a systematic review for the assessment of spine-related complaints in populations with limited resources and in low- and middle-income communities
Psychosocial	https://doi.org/10.1007/s00586-017-5434-7	The Global Spine Care Initiative: a narrative review of psychological and social issues in back pain in low- and middle-income communities.
Prevention	https://doi.org/10.1007/s00586-018-5635-8	The Global Spine Care Initiative: public health and prevention interventions for common spine disorders in low- and middle-income communities
Non-invasive	https://doi.org/10.1007/s00586-017-5433-8	The Global Spine Care Initiative: applying evidence-based guidelines on the non-invasive management of back and neck pain to low- and middle-income communities.
Osteoporosis	https://doi.org/10.1007/s00586-017-5273-6	The Global Spine Care Initiative: a review of reviews and recommendations for the non-invasive management of acute osteoporotic vertebral compression fracture pain in low- and middle-income communities.
Invasive	https://doi.org/10.1007/s00586-017-5392-0	The Global Spine Care Initiative: a consensus process to develop and validate a stratification scheme for surgical care of spinal disorders as a guide for improved resource utilization in low- and middle-income communities.
Stratification	https://doi.org/10.1007/s00586-017-5332-z	The Global Spine Care Initiative: a summary of guidelines on invasive interventions for the management of persistent and disabling spinal pain in low- and middle-income communities.
Classification	https://doi.org/10.1007/s00586-018-5724-8	The Global Spine Care Initiative: classification system for spine-related concerns
Care pathway	https://doi.org/10.1007/s00586-018-5721-y	The Global Spine Care Initiative: care pathway for people with spine-related concerns
Resources	https://doi.org/10.1007/s00586-018-5725-7	The Global Spine Care Initiative: resources to implement a spine care program
Model of care	https://doi.org/10.1007/s00586-018-5720-z	The Global Spine Care Initiative: model of care and implementation

Table 2 Contributing experts and regional representation, names are in alphabetical order by last name

First name	Last name	Country of current residence	Exec Summary	Methodology	Global	Community	Assessment	Non-Invasive	Psychosocial	Osteoporosis	Invasive	Stratification	Prevention	Classification	Care Pathway	Resources	Model of Care
Ellen	Aartun	Norway	x	x										x			x
Emre	Acaroğlu	Turkey	x	x			x				x	x		x	x	x	x
Afua	Adjei-Kwayisi	Ghana	x	x											x		x
Arthur	Ameis	Canada	x	x						x				x	x	x	x
Selim	Ayhan	Turkey	x	x								x		x	x	x	x
Amer	Aziz	Pakistan	x	x								x					
Teresa	Bas	Spain	x	x								x					x
Fiona	Blyth	Australia	x	x										x	x		x
David	Borenstein	USA	x	x										x	x	x	x
O'Dane	Brady	USA	x	x			x							x	x	x	x
Peter	Brooks	Australia	x	x											x	x	x
Connie	Camilleri	Canada	x	x											x		x
Juan M.	Castellote	Spain	x	x									x		x		x
Christine	Cedraschi	Switzerland	x	x			x	x	x					x	x	x	x
Roger	Chou	USA	x	x			x	x	x	x	x			x	x	x	x
Michael	Clay	USA	x	x									x		x		x
Pierre	Côté	Canada	x	x	x	x	x	x	x	x	x			x	x	x	x
Fereydoun	Davatchi	Iran	x	x										x	x	x	x
Jean	Dudler	Switzerland	x	x			x										x
Robert	Dunn	South Africa	x	x								x			x	x	x
Stefan	Eberspaecher	Botswana	x	x													x
Juan	Emmerich	Argentina	x	x								x					x
Jean Pierre	Farcy	USA	x	x								x					x
Norman	Fisher-Jeffes	South Africa	x	x								x					
Christine	Goertz	USA	x	x										x	x	x	x
Bart N.	Green	USA	x	x									x	x	x	x	x
Michael	Grevitt	UK	x	x								x					x
Erin	Griffith	USA	x	x									x		x		x
Najia	Hajjaj-Hassouni	Morocco	x	x										x		x	x
Scott	Haldeman	USA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Jan	Hartvigsen	Denmark	x	x		x								x		x	x
Maria	Hondras	USA	x	x										x	x	x	x
Eric	Hurwitz	USA	x	x	x	x	x	x	x	x			x	x	x	x	x
Claire D.	Johnson	USA	x	x					x				x	x	x	x	x
Edward	Kane	USA	x	x									x		x		x
Deborah	Kopansky-Giles	Canada	x	x					x					x	x	x	x

Julie	Laplante	Canada	x	x														x
Nadege	Lemeunier	France	x	x			x							x	x	x	x	x
John	Mayer	USA	x	x										x	x	x	x	x
Silvano	Mior	Canada	x	x										x		x	x	x
Tiro	Mmopelwa	Botswana	x	x						x	x			x	x			x
Michael	Modic	USA	x	x			x							x	x			x
Jean	Moss	Canada	x	x												x	x	x
Rajani	Mullerpatan	India	x	x			x							x	x	x	x	x
Elijah	Muteti	Kenya	x	x								x				x	x	x
Lillian	Mwaniki	Kenya	x	x										x	x	x	x	x
Madeleine	Ngandeu-Singwe	Cameroon	x	x										x	x	x	x	x
Margareta	Nordin	France	x	x			x	x	x	x	x	x	x	x	x	x	x	x
Geoff	Outerbridge	Canada	x	x										x	x	x	x	x
Shanmuganathan	Rajasekaran	India	x	x									x					x
Kristi	Randhawa	Canada	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Heather	Shearer	Canada	x	x						x						x		x
Matthew	Smuck	USA	x	x										x				x
Erkin	Sönmez	Turkey	x	x			x								x	x		x
Patricia	Tavares	Canada	x	x														x
Anne	Taylor-Vaisey	Canada	x	x			x			x								x
Carlos	Torres	Canada	x	x			x							x	x	x	x	x
Paola	Torres	Chile	x	x		x	x	x							x	x	x	x
Alexander	van der Horst	Namibia	x	x														x
Leslie	Verville	Canada	x	x		x										x		x
Emiliano	Vialle	Brazil	x	x								x						x
Gomatam	Vijay Kumar	India	x	x														x
Adriaan	Vlok	South Africa	x	x												x	x	x
William	Watters III	USA	x	x										x	x			x
Chung Chek	Wong	Malaysia	x	x												x	x	x
Jessica J.	Wong	Canada	x	x						x		x						x
Hainan	Yu	Canada	x	x	x	x	x	x		x			x	x	x			x
Selcen	Yüksel	Turkey	x	x									x					x

Table 1: Affiliations, relationships and declarations by the participants of the GSCI listed in alphabetical order by family name

Name	Affiliation	Declarations, including potential or perceived, financial or non-financial, competing or conflicts of interest
Afua Adjei-Kwayisi	Ridge Regional Hospital, Ghana World Spine Care, Accra, Greater Accra, Ghana	None
Arthur Ameis	University of Montreal Faculty of Medicine Certification Program in Insurance Medicine and MedicoLegal Expertise, Toronto, ON, Canada	None
Amer Aziz	Ghurki Trust Teaching Hospital Lahore Pakistan, Orthopaedics and Spine Department, Lahore, Punjab, Pakistan	None
Ellen Aartun	UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	EA declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care.
Emre Acaroğlu	ARTES Spine Center, Ankara, Turkey	EAc declares grants: Depuy Synthes Spine, Medtronic; Speaker's bureau: AOSpine, Zimmer Biomet.
Selim Ayhan	ARTES Spine Center, Acibadem University, Ankara, Turkey	None
Teresa Bas	Hospital Universitario and Politecnico La Fe, Valencia University at the Department of Surgery, Valencia, Spain	TB declares European Spine Journal provided a grant to investigate scoliosis.
Fiona Blyth	Concord Clinical School University of Sydney, Concord, NSW, Australia	None
David Borenstein	Arthritis and Rheumatism Associates, The George Washington University Medical Center, Potomac, MD, USA	None
O'Dane Brady	World Spine Care, Tampa, FL, USA	OB declares he is a consultant for: Pacira Pharmaceuticals, Inc. Palladian Health. Travel expenses: World Spine Care. Stipend: World Spine Care.
Peter Brooks	Centre For Health Policy, School Of Population And Global Health, University Of Melbourne, Toorak , Melbourne, Victoria, Australia	PB declares contribution to salary for Global Musculoskeletal Alliance (G-MUSC), The Bone and Joint Decade work.
Connie Camilleri	St Michael's Hospital, North York, ON, Canada	None
Juan M. Castellote	National School of Occupational Medicine, Carlos III Institute of Health and Physical Medicine and Rehabilitation, University of Complutense, Madrid, Madrid, Spain	JMC declares Government Grant ESPY 1281/15.
Christine Cedraschi	Division of General Medical Rehabilitation and Division of Clinical Pharmacology and Toxicology, Multidisciplinary Pain Centre, Geneva University Hospitals, Geneva, Switzerland	None
Roger Chou	Department of Medical Informatics & Clinical Epidemiology and Department of Medicine, Oregon Health & Science University, Portland, OR, USA	RC declares funding from AHRQ to conduct systematic reviews on treatments for low back pain within last 2 years. Honoraria for speaking at numerous meetings of professional societies and non-profit groups on topics related to low back pain (no industry sponsored talks).
Michael B. Clay	Rehabilitation Care Line, Physical Medicine and Rehabilitation, Cincinnati Veterans Affairs Medical Center, Cincinnati, OH, USA	None
Pierre Côté	Faculty of Health Sciences, University of Ontario Institute of Technology, Oshawa, Canada; UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	PC is funded by a Canada Research Chair in Disability Prevention and Rehabilitation at the University of Ontario Institute of Technology, and declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care. Canadian Institutes of Health Research Canada. Research Chair Ontario Ministry of Finance. Financial Services Commission of Ontario. Ontario Trillium Foundation, ELIB Mitac. Fond de Recherche and Sante du Quebec.
Fereydoun Davatchi	Rheumatology Research Center, Tehran University of Medical Sciences, Tehran, Tehran, Iran	None

Jean Dudler	Department of rheumatology. HFR Fribourg - Hospital Cantonal, Fribourg, FR, Switzerland	None
Robert Dunn	Department of Orthopaedic Surgery, University of Cape Town and Groote Schuur Hospital, Cape Town, Western Cape, South Africa	None
Stefan Eberspaecher	Department of Orthopedics, Princess Marina Hospital, Botswana	SE is an employee of the Botswana Ministry of Health and Wellness
Juan Emmerich	University of La Plata, La Plata, Buenos Aires, Argentina	None
Jean Pierre Farcy	Retired from Department of Orthopedic Surgery New York University, Piermont, NY, USA	None
Norman Fisher-Jeffes	Private Practice - Panorama Medi Clinic and Sessional Consultant - Groote Schuur Hospital, Cape Town, Western Cape, South Africa	None
Christine Goertz	Palmer College of Chiropractic and The Spine Institute for Quality, Davenport, IA, USA	CG declares travel expenses: Palmer College to GSCI meetings. Consultant: American Chiropractic Association, Spine IQ, Healthwise, Quality Insights of Pennsylvania, RAND Co.; Prezacor, Inc. (Stock Options). PCORI (Board Member). Grants: Collaborative Care for Veterans with Spine pain and Mental Health Issues. NIH/ Kiernan Chiropractic Care in Rehabilitation at Crotched Mountain: Crotched Mountain Private Sector Integrated Chiropractic Study N/A. NCMIC Foundation Chiropractic services, Assessment of Chiropractic Treatment for Low Back Pain; RAND Subcontract, Department of Defense Prime Award #W81XWH-11-2-017 Sub #9920110071.
Bart N. Green	Qualcomm Health Center, Stanford Health Care, San Diego, CA, USA; National University of Health Sciences, Lombard, IL, USA	BNG declares speaker fees and travel reimbursement from NCMIC Speakers' Bureau; he is secretary of Brighthall Inc; the views in this article are those of the authors and not those of Stanford University, Stanford Health Care, or Qualcomm.
Michael Grevitt	Nottingham University Hospitals, Edwalton, Nottingham, UK	None
Erin Griffith	Emergency Medicine, Carlsbad, CA, USA	None
Scott Haldeman	Department of Epidemiology, School of Public Health, University of California Los Angeles, Los Angeles, CA, USA; Department of Neurology, University of California, Irvine, Irvine, CA, USA; World Spine Care, Santa Ana, CA, USA	SH declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care. Clinical Policy Advisory Board and stock holder, Palladian Health. Advisory Board, SpineHealth.com. Book Royalties, McGraw Hill. Travel expense reimbursement - CMCC Board.
Jan Hartvigsen	Department of Sports Science and Clinical Biomechanics, University of Southern Denmark, Odense, Denmark; Nordic Institute of Chiropractic and Clinical Biomechanics, Odense, Denmark	JH declares his research group has extensive funding from Danish public funding agencies, the European Union, and Danish charities.
Najia Hajjaj-Hassouni	Mohammed VI University of Health Sciences (UM6SS), Casablanca, Morocco	None
Maria Hondras	Department of Anesthesiology, University of Kansas Medical Center, Kansas City, KS, USA	MH declares travel support from World Spine Care.
Eric L. Hurwitz	Office of Public Health Studies, University of Hawaii, Honolulu, Hawai'i, Mānoa, USA	EH declares he is a consultant for: RAND Corporation; EBSCO Information Services; Southern California University of Health Sciences; Western University of Health Sciences Data and Safety Monitoring Committee. Chair, Palmer Center for Chiropractic Research. Research Committee Co-chair, World Spine Care.
Claire D. Johnson	National University of Health Sciences, Lombard, IL, USA; Qualcomm Health Center, Stanford Health Care, San Diego, CA, USA	CDJ declares that she is president of Brighthall Inc; she is an NCMIC Board of Director, however neither she nor NCMIC board make funding decisions for the NCMIC Foundation; the views in this article are those of the authors and not those of Stanford University, Stanford Health Care, or Qualcomm.
Deborah Kopansky-Giles	Graduate Education and Research Programs, Canadian Memorial Chiropractic College, ON, Canada; Department of Family and Community Medicine, University of Toronto, Toronto, ON, Canada	DKG declares travel expenses: CMCC to present at the World Spine Care Spine Conference in Botswana.

Edward J. Kane	College of Rehabilitative Sciences, Doctor of Physical Therapy Program, University of St. Augustine for Health Sciences, San Marcos, CA, USA	None
Julie Laplante	School of Sociological and Anthropological Studies, University of Ottawa, Ottawa, ON, Canada	None
Nadège Lemeunier	Institut Franco-Européen de Chiropraxi.e., Toulouse, France	None
John Mayer	U.S. Spine & Sport Foundation, San Diego, CA, USA	JM declares general research resources from USF Research Center. Research grants from funding agencies: FEMA, US Department of Homeland Security (EMW-2013-FP-00723). Palladian Health Advisory board: Clinical Policy and Advisory Board,. Intellectual property rights: Inventor of Web-based system to deliver exercise (Employer - USF: copyright holder).
Silvano Mior	Canadian Memorial Chiropractic College, Toronto, ON, Canada	None
Jean Moss	Canadian Memorial Chiropractic College, President Emerita, Toronto, ON, Canada	JM declares World Spine Care Board Member.
Michael Modic	Cleveland Clinic, Lerner College of Medicine, Cleveland, OH, USA	None
Tiro Mmopelwa	ARTES Ankara Spine Centre, Life Gaborone Hospital, Gaborone, Botswana	TM declares Fellowship grant-Medtronics.
Rajani Mullerpatan	Mahatma Gandhi Mission Institute of Health Sciences, MGM School of Physiotherapy, Navi Mumbai, Maharashtra, India	None
Elijah Muteti	Moi University/Moi Teaching & Referral Hospital, Eldoret, Kenya	EM declares AO Spine Africa Faculty courses - honorarium.
Lillian Mwaniki	Law Society of Kenya, Nairobi, Kenya	None
Madeleine Ngandeu-Singwe	Faculty Of Medicine and Biomedical Sciences, The University of Yaoundé I, Yaounde, Center Region, Cameroon	None
Margareta Nordin	Departments of Orthopedic Surgery and Environmental Medicine, New York University, New York, NY, USA; World Spine Care Europe, Holmfirth, UK	MN declares funding from Skoll Foundation and NCMIC Foundation through World Spine Care; . Co-Chair, World Spine Care Research Committee. Palladian Health, Clinical Policy Advisory Board member. Book Royalties Wolters Kluwer and Springer. Honoraria for speaking at research method courses.
Geoff Outerbridge	World Spine Care and Canadian Memorial Chiropractic College, Chelsea, Quebec, Canada	GO declares he is a consultant and receives travel support as Clinic Director, World Spine Care.
Shanmuganathan Rajasekaran	Department of Orthopaedics and Spine Surgery, Ganga Hospital, Coimbatore, Tamilnadu, India	None
Kristi Randhawa	Faculty of Health Sciences, University of Ontario Institute of Technology, Oshawa, Canada; UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	KR declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care.
Heather Shearer	UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	HR declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care.
Matthew Smuck	Department of Orthopaedic Surgery, Stanford University, Redwood City, CA, USA	MS declares he is a Scientific Advisor, NuSpine; Consultant, and State Farm.
Erkin Sönmez	Başkent University School of Medicine, Department of Neurological Surgery, Ankara, Turkey	ES declares funding from Başkent University Research Fund.
Patricia Tavares	Canadian Memorial Chiropractic College, Toronto, ON, Canada	None
Anne Taylor-Vaisey	UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	ATV declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care.
Carlos Torres	University of Ottawa and Department of Medical Imaging, The Ottawa Hospital, Ottawa, ON, Canada	None
Paola Torres	Exercise Science Laboratory, School of Kinesiology, Faculty of Medicine, Universidad Finis Terrae, Santiago, Chile	None
Alexander van der Horst	Department of Surgery, University of Namibia, Windhoek, Namibia; Central Hospital, Windhoek, Namibia	None

Leslie Verville	UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada; Faculty of Health Sciences, University of Ontario Institute of Technology, Oshawa, Canada	LV declares funding to UOIT from Skoll Foundation and NCMIC Foundation through World Spine Care.
Emiliano Vialle	Catholic University of Parana, Curitiba, Paraná, Brasil	None
Gomatam Vijay Kumar	Head of Neurosurgery, AMRI Hospitals, Salt Lake, Kolkata, Kolkata, West Bengal, India	None
Adriaan Vlok	Division of Neurosurgery, University of Stellenbosch, Bellville, Western Cape, South Africa	None
Chung Chek Wong	Sarawak General Hospital, Kuching, Sarawak, Malaysia	None
William Watters III	Department of Orthopedic Weill Cornell Medical School and Institute of Academic Medicine at Houston Methodist Hospital, Houston, TX. USA; Department of Orthopedic Surgery, University of Texas Medical Branch, Galveston, TX. USA	WW declares Palladian Health, Clinical Policy Advisory Board member
Jessica J. Wong	UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	JW declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care.
Hainan Yu	Faculty of Health Sciences, University of Ontario Institute of Technology, Oshawa, Canada; UOIT-CMCC Centre for Disability Prevention and Rehabilitation, Toronto, Canada	HY declares funding to UOIT from Skoll Foundation, NCMIC Foundation through World Spine Care.
Selcen Yüksel	Ankara Yildirim Beyazit University Medical School, Department of Biostatistics, Ankara, Turkey	None

Appendix 1
GSCI Participant Survey

Global Spine Care Initiative - Participant Information

Dear Colleague

You are receiving this survey because you are listed as a lead author, coauthor, or acknowledgment on one or more of the GSCI papers.

Thank you for assisting the efforts of the GSCI, which aims to reduce the global burden of disease and disability by bringing together leading health care scientists and specialists, government agencies, and other stakeholders to transform the delivery of spine care in underserved and low income communities worldwide.

This survey asks you to provide information about yourself as a participant and collects important information regarding your authorship or acknowledgement status for one or more of the Global Spine Care Initiative papers. It should take approximately 30 minutes or less to complete.

Your timely response and participation in this process are greatly appreciated. I would appreciate your completion of this survey by May 15.

Sincerely,
Scott Haldeman, DC, MD, PhD

**President World Spine Care
Clinical Faculty, Department of Neurology, University of California, Irvine
Adjunct Professor, Department of Epidemiology, School of Public Health,
University of California, Los Angeles**

INFORMED CONSENT: Because your name will be included in the final publications, and since we are committed to methodological transparency, you are being asked to provide your consent for participating in this process.

POSSIBLE RISKS OR DISCOMFORT: Information about GSCI participants will be observed and reviewed. Information about participants will be reported in the final methodology paper that will include declared conflicts of interests for all participants. This information will be made publically available in the final publication of these works. All participants will have the opportunity to review the final draft of the methodology manuscript before it is submitted for publication.

BENEFITS: Participating in this process includes participants in the integrity of reporting and transparency of the processes of the GSCI.

CONFIDENTIALITY: Answers to questions during the blinded surveys will be kept confidential to guide subsequent discussions but the final products and publications will include participant names in order to be transparent. It is important to note that due to the publications process, there is no long term confidentiality for this project. The GSCI research papers will be published with information including: participant names, information from surveys/emails, and relevant conflict of interest information. All of these are normally reported with publications in order for processes to be transparent.

AUTHORIZATION: I have read and understand this consent form. I understand that my participation, responses, work products, and processes relevant to GSCI are being recorded and evaluated for inclusion in the GSCI Methodology paper. I understand that I will not be compensated for participation and that I have the right to refuse or withdraw without penalty. By completing the form below, I volunteer to participate in this study. w
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Consent to participate - by filling this in you agree to participate. Please type in your current author contact information.

Question Title

1. Consent to participate - by filling this in you agree to participate. Please type in your current author contact information.

First name/Given name

Last name/Surname

Postal Mailing Address

City/Town

State/Province

ZIP/Postal Code

Country

Email Address

Phone Number

Please provide your 16-digit ORCID author identification number (if available) <https://orcid.org>

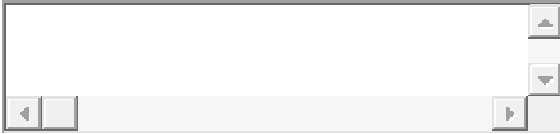
Question Title

2. Please provide your 16-digit ORCID author identification number (if available) <https://orcid.org>

Please list your current affiliations (workplace and/or academic) that you would like to have noted on the paper (eg, university, company, etc). Please list each on a separate line.

Question Title

3. Please list your current affiliations (workplace and/or academic) that you would like to have noted on the paper (eg, university, company, etc). Please list each on a separate line.



Please select ONE that best describes your current *primary* job duty. [coding is from the International Standard Classification of Occupations (ISCO)]

Question Title

4. Please select ONE that best describes your current *primary* job duty. [coding is from the International Standard Classification of Occupations (ISCO)]

- 2211 Generalist medical doctors (primary care, family medicine)
- 2212 Specialist medical doctors (surgeons, specialists, psychiatrists)
- 239 Epidemiologists
- 2264 Physiotherapists
- 3259 Chiropractors and osteopaths
- 2221 Nursing professionals
- 262 Librarians, archivists and curators
- 263 Anthropologists
- 2230 Traditional and complementary medicine professionals
- 212 Mathematicians and statisticians
- 2310 University and higher education teachers
- 2264 Psychologists
- 2230 Acupuncturists, naturopaths and ayurvedic practitioners
- 2269 Occupational therapists
- 227 Medical Assistant professionals
- 213 Life science professionals
- 263 Social and religious professionals
- 241 Finance professionals
- 242 Administration professionals
- 243 Sales, marketing and public relations professionals

261 Legal professionals

264 Authors, journalists and linguists

Please provide the percentage of your time of your current primary job duties (Example, 20% research , 60% clinical , 10% teaching, administrative 0%, industry 10%, Other 0%). NOTE: All categories combined must add up to 100%

Question Title

5. Please provide the percentage of your time of your current primary job duties (Example, 20% research , 60% clinical , 10% teaching, administrative 0%, industry 10%, Other 0%). NOTE: All categories combined must add up to 100%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Research

Clinical Practice

Teaching

Administrative

Industry/lay

person

Other

What professional degrees have you completed? Select all that apply. Please describe any specialty certification/qualifications/fellowships in the comments box.

Question Title

6. What professional degrees have you completed? Select all that apply. Please describe any specialty certification/qualifications/fellowships in the comments box.

MD (please list any specialty certification/qualifications below)

DO (please list any specialty certification/qualifications below)

DC or other chiropractic degree (eg, BSc(chiro), M(chiro), MTech(chiro))

DPT or other physical therapy degree (eg, BScPT, MPT)

RN or other nursing degree

PsyD or other clinical psychology degree

DSW or other clinical social work degree

Other clinical degree not listed above (eg, Podiatry, Dentistry, Optometry)

Other professional degree, non-clinical (lawyer, etc)

I am a patient advocate

None of the above

Please describe any specialty/board certifications, clinical qualifications, fellowships here. (eg, surgery, rheumatology, neurology, etc)

What non-clinical, academic degrees (above a bachelor degree) have you completed? Select all that apply. Please include field of study in the comments section.

Question Title

7. What non-clinical, academic degrees (above a bachelor degree) have you completed? Select all that apply. Please include field of study in the comments section.

PhD

Other doctorate (DPH, EdD, etc) non-clinical

Master's degree (non-clinical, such as public health, education, business, or other non-clinical field)

I have no other academic degrees

For each degree you marked above, please list primary field of study (eg, epidemiology, public health, business, etc)

In the following areas, how many total years of experience do you have with participating as a clinician delivering spine care. Please type in the names of the countries where you have provided spine care in the comment field below.

Question Title

8. In the following areas, how many total years of experience do you have with participating as a clinician delivering spine care. Please type in the names of the countries where you have provided spine care in the comment field below.

none 1-5 6-10 11-15 16+

low-income countries

middle-income countries

high-income countries

underserved areas in high-income countries

Please list the countries here.

This question helps us understand your personal experience with spine conditions. Have you or a close family member (eg, parent, siblings, spouse/partner, children) ever experienced any of the following? (pick all that apply) Your personal information will not be linked to your responses.

Question Title

9. This question helps us understand your personal experience with spine conditions. Have you or a close family member (eg, parent, siblings, spouse/partner, children) ever experienced any of the following? (pick all that apply) Your personal information will not be linked to your responses.

myself close family member

- Mild back or neck pain
- Moderate or severe back or neck pain
- Spine related neurological problems
- Acute or chronic spine pathology or disease
- Spine deformity
- Spine pain referred from non-spine sources
- Spine problem that required emergency or surgical intervention
- Spine trauma/injury (eg, car accident, fall)
- Never experienced any spine problems
- Prefer not to respond

What types of care have you or your close family member sought to address any of the above? Please list general types of care here.

Have you ever taught or received any formal training (course or program in school or postgraduate) in any of the following?

Question Title

10. Have you ever taught or received any formal training (course or program in school or postgraduate) in any of the following?

Have taught this	Have taken formal training in school, postgraduate, or other courses	Neither taught nor received formal training
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- cultural competency
- interprofessional collaboration
- programs that provide services to underserved populations

Comments

AUTHORSHIP and ACKNOWLEDGMENT

Please confirm for which of the papers listed below you are a coauthor, acknowledgment, or neither. Please indicate status for each paper.

We are using the [ICMJE](#) Definition of Authorship.

Question Title

11. AUTHORSHIP and ACKNOWLEDGMENT

Please confirm for which of the papers listed below you are a coauthor, acknowledgment, or neither. Please indicate status for each paper.

We are using the [ICMJE](#) Definition of Authorship.

I am a coauthor on this paper	I am not a coauthor but participated and give permission to be acknowledged	I did not participate (Neither a coauthor nor acknowledged)
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Executive Summary

Methodology and Processes

Global burden of spinal disorders

Burden of spinal disorders in rural communities and developing countries

Biopsychosocial risk factors and prevention of spinal disorders

Psychosocial issues in spine related disability

Assessments of spinal disorders

Non-invasive management of non-specific spinal pain

Non-invasive management of spinal compression fractures

Elective surgical and interventional procedures for the management of spinal pain

Stratification scheme for surgical care of spinal disorders

Classification system for spinal disorders

Care pathway for spinal disorders

Resources for care of spinal disorders

Model of care for spinal disorders

Comments

Please answer the following questions as they relate to you and the work(s) (study/manuscript) under consideration for publication. These questions relate to the work under consideration anytime over the past 7 years. If any marked "yes" please describe in the comments box.

Question Title

12. Please answer the following questions as they relate to you and the work(s) (study/manuscript) under consideration for publication. These questions relate to the work under consideration anytime over the past 7 years. If any marked "yes" please describe in the comments box.

Yes No

Did you receive resources either directly or indirectly (such as via your institution), to enable you to complete the work?

Did you or your institution receive funds from a third party to support the work, such as a granting agency, charitable foundation or commercial sponsor?

Did you or your institution at any time receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (ie, grants, manuscript preparation, statistical analysis, etc.)?

If any above are marked "yes" please describe here.

Please answer the following questions as they relate to any relevant financial activities outside of the submitted work(s). Please report any relationships that were present during the last 3 years. Did you have financial relationships (regardless of amount of compensation) with entities listed below? If yes, please describe in the comments box.

Question Title

13. Please answer the following questions as they relate to any relevant financial activities outside of the submitted work(s). Please report any relationships that were present during the last 3 years. Did you have financial relationships (regardless of amount of compensation) with entities listed below? If yes, please describe in the comments box.

Yes No

Do you have any financial relationships with entities in the bio-medical arena that could be perceived to influence, or that give the appearance of potentially influencing, the material in the submitted work?

Have you received grants from entities that could be perceived to be affected financially by the published work, such as drug or surgical device companies, or any entities that could be perceived to have a financial stake in the outcome?

Do you have any intellectual property, patents, whether planned, pending or issued, broadly relevant to the work? (if so, please describe in the comment section)

Are there any other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, the material in the submitted work?

If any above are marked "yes" please describe here.

Please list any additional conflict of interest not already listed above. Examples of potential conflicts of interests that are directly or indirectly related to the research may include but are not limited to the following:

- Research grants from funding agencies (please give the research funder and the grant number)
- Honoraria for speaking at symposia
- Financial support for attending symposia
- Financial support for educational programs
- Employment or consultation
- Support from a project sponsor
- Position on advisory board or board of directors or other type of management relationships
- Multiple affiliations
- Financial relationships, for example equity ownership or investment interest
- Intellectual property rights (e.g. patents, copyrights and royalties from such rights)
- Holdings of spouse and/or children that may have financial interest in the work

Interests that go beyond financial interests and compensation (non-financial interests) that may be important to readers should be disclosed. These may include but are not limited to personal relationships or competing interests directly or indirectly tied to this research, or professional interests or personal beliefs that may influence your research.

Please list any additional conflict of interest not already listed in the above questions in the box below.

Question Title

14. Please list any additional conflict of interest not already listed above. Examples of potential conflicts of interests that are directly or indirectly related to the research may include but are not limited to the following:

- **Research grants from funding agencies (please give the research funder and the grant number)**
- **Honoraria for speaking at symposia**
- **Financial support for attending symposia**
- **Financial support for educational programs**
- **Employment or consultation**
- **Support from a project sponsor**
- **Position on advisory board or board of directors or other type of management relationships**
- **Multiple affiliations**

- **Financial relationships, for example equity ownership or investment interest**
- **Intellectual property rights (e.g. patents, copyrights and royalties from such rights)**
- **Holdings of spouse and/or children that may have financial interest in the work**

Interests that go beyond financial interests and compensation (non-financial interests) that may be important to readers should be disclosed. These may include but are not limited to personal relationships or competing interests directly or indirectly tied to this research, or professional interests or personal beliefs that may influence your research.

Please list any additional conflict of interest not already listed in the above questions in the box below.

A rectangular text input box with a light gray border. On the right side, there is a vertical stack of three buttons: a small square button with a right-pointing arrow, a small square button with a downward-pointing arrow, and a small square button with a right-pointing arrow. Below the main text area, there is a horizontal scroll bar with a left-pointing arrow, a small square button, and a right-pointing arrow.

Do you have any additional comments you would like to add?

Question Title

15. Do you have any additional comments you would like to add?

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Please be sure to click the "done" button. If you accidentally did not complete an answer to any of the above questions, the system will prompt you to complete that question before it accepts your "done" request.

Thank you for your participation in the GSCI.