

Cochrane Rehabilitation

Knowledge translation activities

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ISPRM WHO Liaison committee chair

[@CarlotteK](#) [@CochraneRehab](#) [@montecatone](#)

Trusted evidence.

Informed decisions.

Better health.



How to use the Cochrane Evidence in the field of Spinal Cord Injury: The Cochrane Rehabilitation strategy

- Cochrane Rehabilitation knowledge translation activities.
Carlotte Kiekens
- What is a Cochrane Review and how to use it in Spinal Cord Injury rehabilitation practice. Julia Patrick Engkasan
- Overview of Cochrane Reviews in Spinal Cord Injury rehabilitation.
Chiara Arienti
- Cochrane Rehabilitation special projects. Stefano Negrini
- Discussion

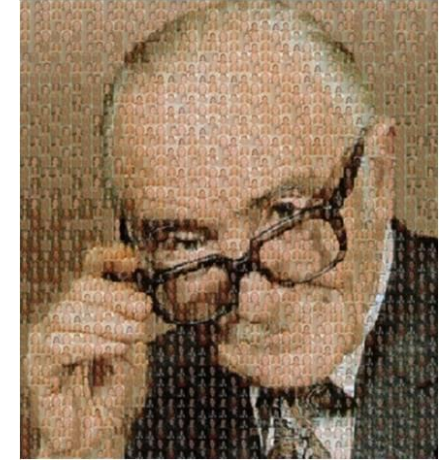




Join Cochrane

Global independent network with members and supporters from more than 130 countries: researchers, health professionals, patients, carers, and people passionate about improving health outcomes for everyone, everywhere.

A world of improved health where decisions about health and health care are informed by high-quality, relevant and up-to-date **synthesized research evidence**.



Evidence Based Clinical Practice

The integration of

- best research evidence
- with clinical expertise
- and patient values



What does Cochrane do ?

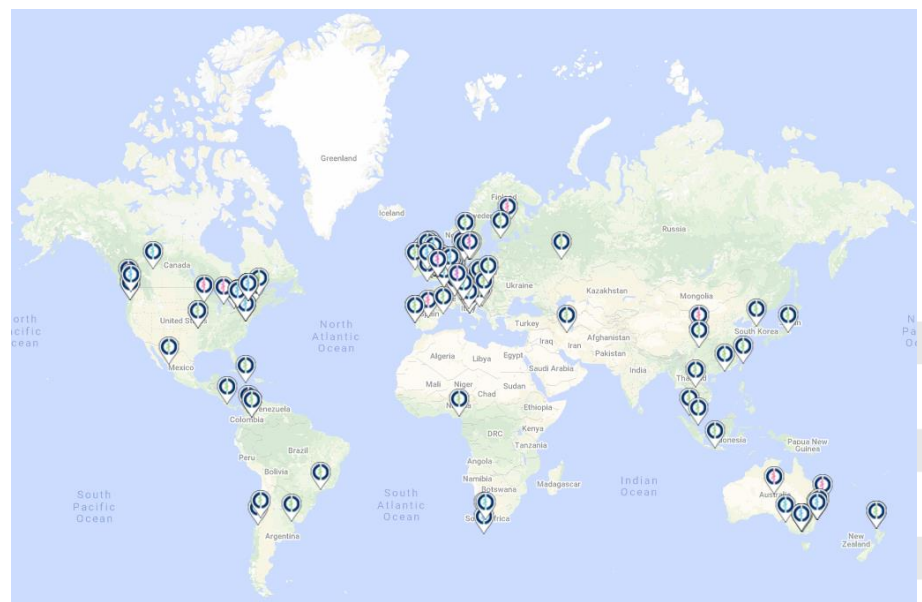
Cochrane gathers and summarizes the best evidence from research producing **systematic reviews and meta-analysis** including only Randomized Controlled Trials (RCTs).

Cochrane **does not accept commercial or conflicted funding**



The revised pyramid





Organization

Review Group Networks (8)

Review Groups: systematic reviews (68)

Methods Groups: development of methods for reviews (17)

Geographic Centres: local knowledge translation (48)

Fields: knowledge translation for a specific health community other than a condition (12)

Fields

Focus on a dimension of health care other than a condition or topic

- the **setting** of care (primary care)
- the type of **consumer** (children, older people)
- or the type of **provider** (nursing)

Cochrane Rehabilitation focuses on a specific **health strategy**

1. Cochrane Child Health
2. Cochrane Complementary Medicine
3. Cochrane Consumer Network
4. Cochrane Global Ageing
5. Cochrane Insurance Medicine
6. Cochrane Neurosciences
7. Cochrane Nursing Care
8. Cochrane Nutrition
9. Cochrane Pre-hospital and Emergency Care
10. Cochrane Primary Care
- 11. Cochrane Rehabilitation**
12. Cochrane First Aid
13. Sustainable Healthcare

56 Cochrane Review Groups

>20 reviews of rehab interest, >1 review of rehab interest

- | | | | |
|---|---|---|--|
| 1. Acute Respiratory Infections Group | 14. Dementia and Cognitive Improvement Group | 26. Hepato-Biliary Group | 43. Pain, Palliative and Supportive Care Group |
| 2. Airways Group | 15. Developmental, Psychosocial and Learning Problems Group | 27. HIV/AIDS Group | 44. Pregnancy and Childbirth Group |
| 3. Anaesthesia, Critical and Emergency Care Group | 16. Drugs and Alcohol Group | 28. Hypertension Group | 45. Public Health Group |
| 4. Back and Neck Group | 17. Effective Practice and Organisation of Care Group | 29. IBD Group | 46. Schizophrenia Group |
| 5. Bone, Joint and Muscle Trauma Group | 18. ENT Group | 30. Incontinence Group | 47. Skin Group |
| 6. Breast Cancer Group | 19. Epilepsy Group | 31. Infectious Diseases Group | 48. STI Group |
| 7. Childhood Cancer Group | 20. Eyes and Vision Group | 32. Injuries Group | 49. Stroke Group |
| 8. Cochrane Response | 21. Fertility Regulation Group | 33. Kidney and Transplant Group | 50. Test CRG |
| 9. Colorectal Cancer Group | 22. Gynaecological, Neuro-oncology and Orphan Cancer Group | 34. Lung Cancer Group | 51. Tobacco Addiction Group |
| 10. Common Mental Disorders Group | 23. Gynaecology and Fertility Group | 35. Metabolic and Endocrine Disorders Group | 52. Upper GI and Pancreatic Diseases Group |
| 11. Consumers and Communication Group | 24. Haematological Malignancies Group | 36. Methodology Review Group | 53. Urology Group |
| 12. Covidence Review Group | 25. Heart Group | 37. Movement Disorders Group | 54. Vascular Group |
| 13. Cystic Fibrosis and Genetic Disorders Group | | 38. Multiple Sclerosis and Rare Diseases of the CNS Group | 55. Work Group |
| | | 39. Musculoskeletal Group | 56. Wounds Group |
| | | 40. Neonatal Group | |
| | | 41. Neuromuscular Group | |
| | | 42. Oral Health Group | |

Role of Cochrane Fields: a bridge, knowledge translation

Rehabilitation
stakeholders



Cochrane
Groups

Yokohama Bay Bridge

Vision of Cochrane Rehabilitation

All **rehabilitation professionals** can apply
Evidence Based Clinical Practice

Decision makers will be able to take decisions
according to the best and most appropriate
evidence



Mission of Cochrane Rehabilitation

Allow all rehabilitation professionals to combine the best available **evidence** as gathered by high quality Cochrane systematic reviews, with their own **clinical expertise** and the **values of patients**

Improve the methods for evidence synthesis, to make them coherent with the needs of disabled people and daily clinical practice in rehabilitation.



Areas of work

Communication

Education

Methodology

Publication

Reviews

Rehabilitation Professionals Representative

LMIC Representative



The Advisory Committee

- 1. Stefano Negrini, MD (Italy) – Director**
- 2. Carlotte Kiekens, MD (Belgium) – Co-Director**
- 3. Chiara Arienti, MSc, PhD (Italy) – Coordinator**
4. Francesca Gimigliano, MD, PhD (Italy) – Communication
5. Frane Grubisic, MD (Croatia) – Publication
6. Tracey Howe, PT (United Kingdom) – Professional representative
7. Elena Ilieva, MD, PhD (Bulgaria) – Education
8. William Levack, PT, PhD (New Zealand) – Reviews
9. Thorsten Meyer, Psy, PhD (Germany) – Methodology
10. Aydan Oral, MD (Turkey) – Publication
- 11. Julia Patrick Engkasan, MD (Malaysia) – Education**
12. Farooq Rathore, MD (Pakistan) – Reviews; LMIC representative



Our activities, in line with
the themes of the
Cochrane
Knowledge Translation
Strategy



Packaging, push and support to implementation

Ensuring our users receive and can act on our reviews and products

Reviews

- Review selection and website database

Communication

- Website, newsletter and social media

Publication

- Cochrane Corners

Ebook (in production)





Reviews

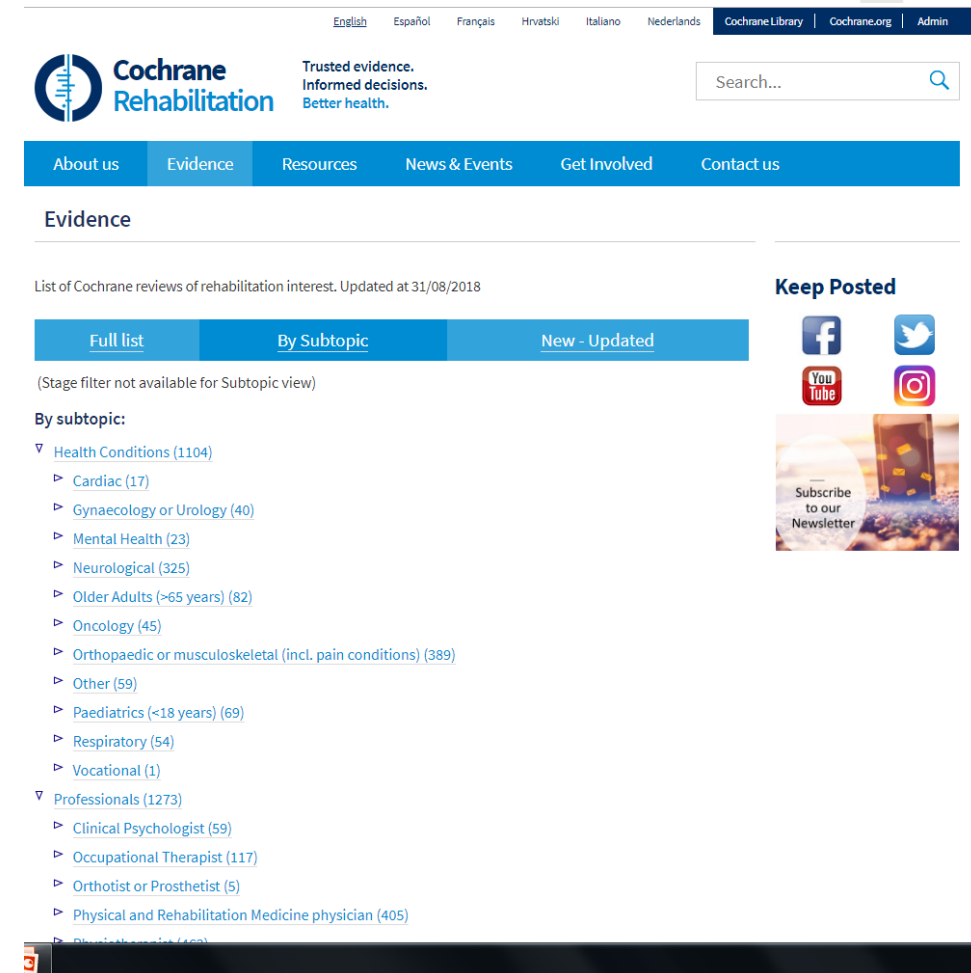
Tagged all the Cochrane reviews from 1996 to June 2019

Ongoing process to constantly update the results

One in 11 Cochrane reviews are on rehabilitation interventions, according to pragmatic inclusion criteria developed by Cochrane Rehabilitation.

Levack WM, Rathore FA, Pollet J, Negrini S.

Arch Phys Med Rehabil. 2019



The screenshot shows the Cochrane Rehabilitation website interface. At the top, there are language options (English, Español, Français, Hrvatski, Italiano, Nederlands) and links for Cochrane Library, Cochrane.org, and Admin. The main header includes the Cochrane Rehabilitation logo and the tagline "Trusted evidence. Informed decisions. Better health." with a search bar. Below the header is a navigation menu with "Evidence" selected. The main content area displays "Evidence" and a list of Cochrane reviews of rehabilitation interest, updated on 31/08/2018. The list is filtered by "By Subtopic" and shows a list of subtopics with their respective review counts:

- Health Conditions (1104)
 - Cardiac (17)
 - Gynaecology or Urology (40)
 - Mental Health (23)
 - Neurological (325)
 - Older Adults (>65 years) (82)
 - Oncology (45)
 - Orthopaedic or musculoskeletal (incl. pain conditions) (389)
 - Other (59)
 - Paediatrics (<18 years) (69)
 - Respiratory (54)
 - Vocational (1)
- Professionals (1273)
 - Clinical Psychologist (59)
 - Occupational Therapist (117)
 - Orthotist or Prosthetist (5)
 - Physical and Rehabilitation Medicine physician (405)
 - Physiotherapist (169)

On the right side of the page, there is a "Keep Posted" section with social media icons for Facebook, Twitter, YouTube, and Instagram, and a "Subscribe to our Newsletter" button.



Communication

	2017	2018	2019	2020
Website	4727	7073	10,348	5,639 (up to June)
Newsletter	361	801	929	1062
Twitter	715	1485	1821	2112
Facebook	1292	2040	2382	2422
Instagram	-	532	764	1254
YouTube channel	28	76	111	140
Blogshots	4	39	47	65

Tweets by @CochraneRehab

@CochraneRehab Retweeted
 Cochrane UK @CochraneUK
 Based on the currently available evidence, "neither absence nor presence of signs or symptoms are accurate enough to rule in or rule out #COVID19 disease." buff.ly/2O5aYnx In this blog, @SarahChapman30 explains the latest Cochrane evidence from @Cochrane_IDG



Jul 9, 2020

@CochraneRehab Retweeted



Latest News and Events

Cochrane Rehabilitation versus COVID-19

News

The RCTRACK (RCT Rehabilitation Checklist)

News

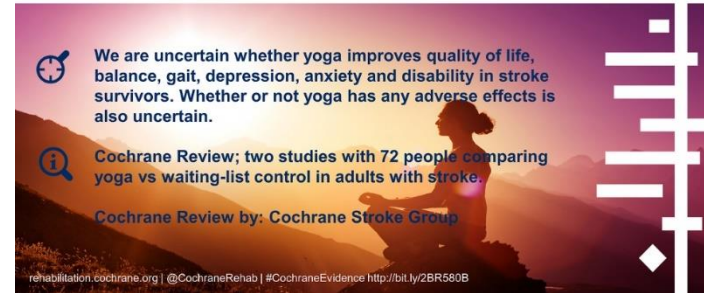
To discuss the PhD thesis in COVID-19 times by Chiara

PhD News

ISPRM/AAP Meeting

News

Blogshots (translations)



We are uncertain whether yoga improves quality of life, balance, gait, depression, anxiety and disability in stroke survivors. Whether or not yoga has any adverse effects is also uncertain.

Cochrane Review; two studies with 72 people comparing yoga vs waiting-list control in adults with stroke.

Cochrane Review by: **Cochrane Stroke Group**

rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/2BR580B>

Elektromechanische en robot ondersteunde training van de arm voor het verbeteren van activiteiten van het dagelijks leven, functie en spierkracht van de arm na een hersenbloeding

Elektromechanische en robot ondersteunde training, vergeleken met alle andere interventies, verbeteren activiteiten van het dagelijks leven en functie en spierkracht van de arm bij volwassenen na een hersenbloeding aan het einde van de behandeling.

Cochrane Review; 45 studies met 1619 volwassenen na een hersenbloeding, vergelijken elektromechanische en robot ondersteunde training van de arm vs. alle andere interventies.

Cochrane Review door: **Cochrane Stroke Group**

rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/RehabCD006876> | Vertaald door Cochrane Belgium



Vježbanje kod reumatoidnog artritisa šaka

Vježbanje poboljšava snagu i jačinu pincetnog hvata obje šake, što može povećati funkciju šake i suradljivost pacijenta te može srednjoročno i dugoročno umanjiti bol. Nema izvještaja o nuspojavama vježbanja. Autori pregleda nisu sigurni da li vježbanje poboljšava funkciju šake, snagu i jačinu pincetnog hvata samo lijeve ili desne šake te djeluje li na kratkoročno smanjenje boli.

Cochrane pregled; 7 studija u koje je uključena 841 odrasla osoba s reumatoidnim artritisom, usporedba sa stanjem bez vježbanja.

Cochrane sustavni pregled izradila: **Cochrane grupa za mišićnokoštani sustav.**

rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/RehabCD003832> | Prevodeno od strane: Hrvatsko društvo za fizikalnu i rehabilitacijsku medicinu Hrvatskog tehničkog zborna



Rehabilitación cardíaca basada en ejercicio para personas con dispositivos de asistencia ventricular implantables

Es incierto que la rehabilitación cardíaca basada en ejercicio reduzca la mortalidad, la re-hospitalización y la infección en personas con dispositivos de asistencia ventricular implantables en comparación con el cuidado usual.

VACÍO EN LA EVIDENCIA

Revisión de Cochrane; 2 estudios que incluyeron 40 adultos con dispositivos de asistencia ventricular implantables, que compararon la rehabilitación cardíaca basada en el ejercicio vs. el cuidado usual.

Revisión de Cochrane por: **Cochrane Heart Group**

rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/RehabCD012222> | Traducido por Grupo Rehabilitación en Salud-Universidad de Antioquia



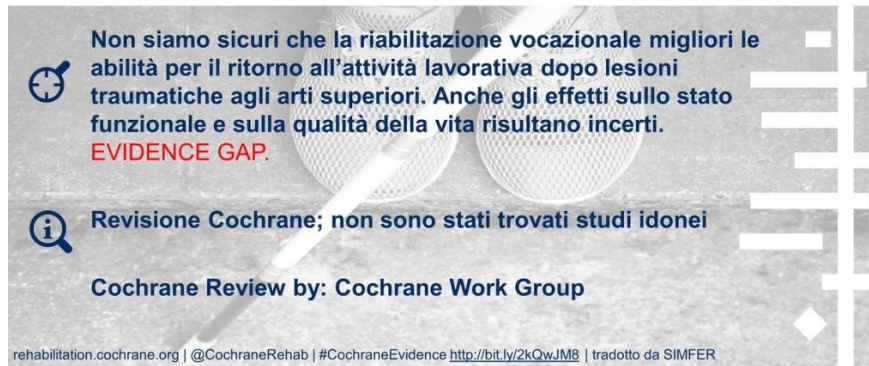
La Riabilitazione vocazionale favorisce il ritorno all'attività lavorativa dopo lesioni traumatiche agli arti superiori

Non siamo sicuri che la riabilitazione vocazionale migliori le abilità per il ritorno all'attività lavorativa dopo lesioni traumatiche agli arti superiori. Anche gli effetti sullo stato funzionale e sulla qualità della vita risultano incerti.
EVIDENCE GAP.

Revisione Cochrane; non sono stati trovati studi idonei

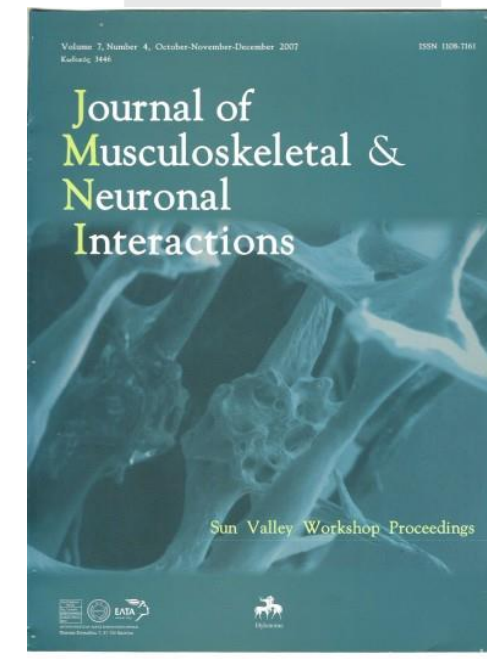
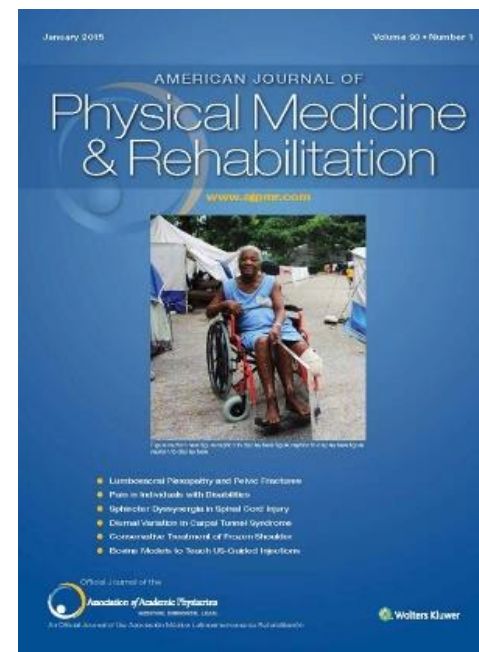
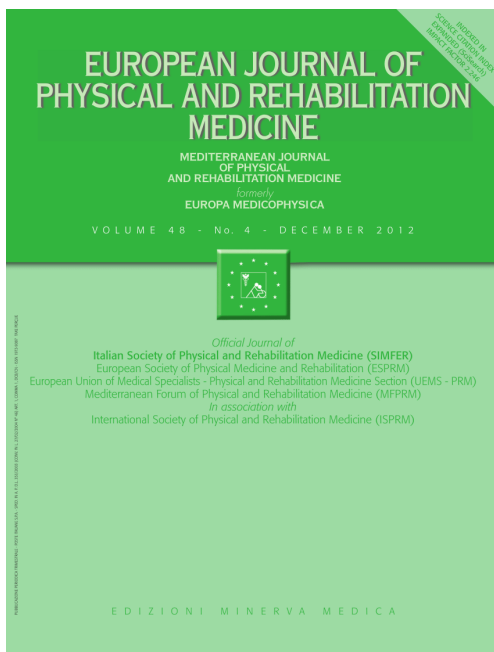
Cochrane Review by: **Cochrane Work Group**

rehabilitation.cochrane.org | @CochraneRehab | #CochraneEvidence <http://bit.ly/2kQwJM8> | tradotto da SIMFER





Publication Committee Cochrane Corners (14 journals)





Cochrane Rehabilitation ebook

“**Live**” **e-book** available for free in Internet to be constantly updated including all [Cochrane reviews relevant to rehabilitation](#)

Contents

- Titles
- Abstracts
- Plain language summary
- Summaries for the different audiences
 - Students, health managers & politicians, clinicians
- Blogshots and other relevant products





Facilitating pull

Growing our users' capacity to find and use our reviews Education

Ex. 2019

- 3 Workshops in 2 Scientific Meetings in 2 continents
- 3 Sessions in 2 Scientific Meetings in 2 continents
- 18 Presentations in 15 Scientific Meetings in 5 continents
- Area in the website with educational material under development

Cochrane Interactive Learning, Cochrane Training



Exchange

Engaging with our users to support their evidence informed decision making

Advisory Board

Participation in International and Regional Meetings (ex. **ISCOS 2020** 😊)

Partnerships (Memoranda of Understanding, MoUs)

30 Publications in Indexed journals



Advisory Board

3 Cochrane Groups: Italy, Musculoskeletal, Stroke

4 Cochrane Networks

5 World Scientific Societies: ISPO, ISPRM, WCPT, WFNR, WFOT

1 Advocacy organisation: Global Rehabilitation Alliance

4 Regional Scientific Societies: AMLAR, AOSPRM, ESPRM, UEMS-PRM Section

12 Journals: Am J PMR, Arch PMR, Aust Occup Ther J, Clin Rehabil, Dev Neurorehabil, Eur J PRM, JOSPT, J Rehab Med, Manual Ther, Neurorehab neural repair, Phys Ther, Prost Orthot Int, Ann PRM.

4 Experts: China, Colombia, Switzerland, USA

4 Representatives: consumers, LMIC (2), WHO

First meeting in Buenos Aires #ISPRM 2017

Second meeting in Paris #ISPRM 2018

Third meeting in Kobe #ISPRM2019

Fourth meeting in Orlando #ISPRM2020



Partners



Partners

- ◆ Mission and Goals
- ◆ Perspective
- ◆ Organisational Chart
- ◆ Field Director
- ◆ Field Coordinator
- ◆ Executive committee
- ◆ Committees
- ◆ Advisory Board
- ◆ Community
- ◆ Activities
- ◆ Partners
 - ◆ Hosting and Financing
 - ◆ International and Regional Societies
 - ◆ Journals
 - ◆ National Societies
 - ◆ Universities, Hospitals, Research Centres and other organizations

Cochrane Rehabilitation has been signing Memoranda of U to create partnerships with different Groups, Societies, Uni Journals and other Rehabilitation stakeholders.

Partners are defined according to their relationships with C Rehabilitation as:

- **Hosting and Financing**
- **Financing and Strategic**
- **Strategic**
- **Journals**
- **National Societies**
- **Universities, Hospitals, Research Centres and other**



Strategic



World Federation of NeuroRehabilitation (WFNR)
WFNR is a multidisciplinary organisation open to any professional with an interest in neurological rehabilitation. WFNR agreed to collaborate in educational and methodological activities.



Latin American Medical Association of Rehabilitation (AMLAR)
AMLAR is a non-governmental non-profit association. AMLAR agreed to collaborate in educational and communication activities



International Society for Prosthetics and Orthotics (ISPO)
The International Society for Prosthetics and Orthotics (ISPO) is a multidisciplinary organization that promotes access to appropriate and equitable rehabilitation, mobility devices, and other assistive product services to improve the quality of life for people with reduced mobility. It agreed to collaborate in educational and communication activities.



The International Spinal Cord Society (ISCoS)
The International Spinal Cord Society (ISCoS) promotes the highest standard of care in the practice of spinal cord injury for everyone throughout the world. Through its medical and multidisciplinary team of Professionals, ISCoS endeavours to foster education, research and clinical excellence.

The Global Rehabilitation Alliance



The Global Rehabilitation Alliance (GRA) has been founded in May 2018 by 14 non-governmental organisations with main focus on rehabilitation. The initiative for founding GRA was taken after the World Health Organisation's Initiative "Rehabilitation 2030 – a call for action". The Alliance aims to become a powerful and cohesive body of diverse stakeholders, united to further the development of rehabilitation around the world. The mission of the Alliance is to advocate for the availability of quality, coordinated and affordable rehabilitation through system strengthening

Prioritization exercise

Prioritization exercise completed,
involving 100 scientific societies
representatives from 39 Countries and all
continents

- Defined index of topics for rehabilitation
- Identified needs for new reviews for rehabilitation

Spinal cord injury !



Methodology

A think tank to help solving problems of EBM in rehabilitation

Yearly journal special issues and/or sections on methodology

- First one in EJPRM after 2-days meeting #ISPRM2018 in Paris
- Second meeting #ISPRM2019 Kobe in AJPMR
- Third meeting “Rehabilitation definition” Milan 2020 in EJPRM
- Fourth meeting #ISPRM2020 Orlando scheduled in:
AJPMR, EJPRM, Arch PMR



Special projects

- ◆ [be4rehab](#)
- ◆ [Prioritization](#)
- ◆ [Randomized Controlled Trial Rehabilitation Checklists](#)

Special Projects

The page is under construction, please come back tomorrow!

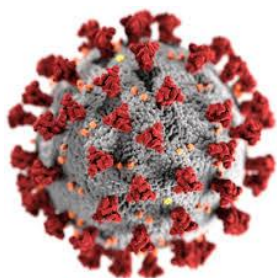
[be4rehab](#)[Ebook](#)[Prioritization](#)[RCTRACK](#)[Rehabilitation definition](#)

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REH-COVER Rehabilitation and Covid-19 – Evidence-based Response

Get involved !

SCI is a priority topic for Cochrane Rehabilitation.

- Mapping?
- Reviews?
- Overview of systematic reviews
- ...

Mail me:

carlotte.kiekens@montecatone.com

Cochrane Rehabilitation Contributors

We currently have 256 members from 54 countries.



Here a list of the contributors that have actively collaborated with different committees of Cochrane Rehabilitation in 2018.

Betty Bellard O'Keefe , USA	Francesca Cecchi , Italy	Francesco Agostini , Italy	Alberto Giattini , Italy
NL Contributor	NL Contributor	NL Contributor	Translator
Sara Laxe Garcia , Spain	Sabrina Paganoni , USA	David Morgenroth , USA	Saad Bindawas , Saudi Arabia
NL Contributor	Education Committee	Education Committee	Review Committee



Thank you 😊
Join us, follow us !

Receive Weekly Evidence in Rehabilitation

<http://rehabilitation.cochrane.org>

cochrane.rehabilitation@gmail.com

     @CochraneRehab



**MONTECATONE
REHABILITATION INSTITUTE**