Services for all: prioritization of rehabilitation research

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Introduction

1 out of 11 Cochrane Systematic Reviews are related to Rehabilitation.

More than 50% of Review Groups produced Systematic Reviews relevant to rehabilitation professionals.

There are no data about the coverage of rehabilitation relevant topics and if there are gaps in the current CSR production.
What is prioritisation in Cochrane

Setting systematic review priorities is essential to ensure that Cochrane produces the right reviews.

Guidance document

- It does not recommend a standardized approach
- It aims to help determine the best approach according to specific goals and resource constraints

Set of standards

- mandatory (‘must do’)
- highly desirable (‘should do’)

Guidance note for Cochrane Groups to define systematic review priorities
Developed by the KT Working Group on Embedding Prioritization
Draft for consultation
July 2018
Search results: 168

- **Accuracy of screening methods for pancreatic cancer**
  Upper GI and Pancreatic Diseases Group

- **Active wound cleansing for treating people with diabetic foot ulcers**
  Wounds Group

- **Acupuncture for chronic non-specific low back pain**
  Back and Neck Group
Aims of our prioritisation process

Identify the current research gaps in Cochrane Review production
Define the priorities for research among these gaps.
Start: Cochrane Rehabilitation ebook index

CHAP 1: Rehabilitation approach to **Pediatric** health conditions
CHAP 2: Rehabilitation approach to **Geriatric** health conditions
CHAP 3: Rehabilitation approach to **Musculoskeletal** health conditions
CHAP 4: Rehabilitation approach to **Cardiovascular and Pulmonary** health conditions
CHAP 5: Rehabilitation approach to **Neurological** health conditions
CHAP 6: Rehabilitation approach to **Cancer-Organs Transplant and Immune-compromised** health conditions
CHAP 7: Rehabilitation approach to **Pelvic floor** health conditions
CHAP 8: Rehabilitation approach to **Pain** health conditions
CHAP 9: Rehabilitation **management**
Population

65 national PRM Scientific Societies members have been asked to participate

41 agreed to participate

100 rehabilitation professionals (9 different professions) from 39 countries in 5 continents
Participant countries: 26/39 European

- Austria
- Belgium
- Bulgaria
- Croatia
- Czech Republic
- Estonia
- FYROM
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Malta
- Montenegro
- Norway
- Poland
- Portugal
- Romania
- Russia
- Slovakia
- Slovenia
- Spain
- The Netherlands
- Ukraine
Participant countries: 13/39 extra-European

5 Asian
- China
- Israel
- Malaysia
- Pakistan
- Turkey

4 American
- AMLAR
- Canada
- Colombia
- Paraguay

3 African
- Ghana
- Morocco
- Sudan

1 Oceanian
- Australia
Delphi process

First 3 Delphi Rounds
• validation and modification of the index
• rating of the importance of each chapter
• final approval of the index

Count of the existing Cochrane Reviews and Protocols per each Chapter of the index

Last Delphi Round
• Definition of the priorities
Survey 1
Response rate: 58%

Percentage of answers - Continent

<table>
<thead>
<tr>
<th>Continent</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>61%</td>
</tr>
<tr>
<td>Asia</td>
<td>62%</td>
</tr>
<tr>
<td>Oceania</td>
<td>100%</td>
</tr>
<tr>
<td>America</td>
<td>46%</td>
</tr>
<tr>
<td>Africa</td>
<td>33%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>58%</td>
</tr>
</tbody>
</table>
Do you agree with the whole suggested chapter classification?

Yes: 45
No: 13

Should we modify something?
Results

Addition of 4 chapters to the original 9:

• CHAP 10: Rehabilitation approach to **Internal medicine** health conditions
• CHAP 11: Rehabilitation approach to **Psychiatric** health conditions
• CHAP 12: Rehabilitation approach to **Sport medicine** health conditions
• CHAP 13: General **prophylaxis** approach using **rehabilitation interventions**

Addition of several paragraphs to each chapter
Survey 2
Response rate: 58%

Percentage of answers – Continent

- Europe: 55%
- Asia: 62%
- Oceania: 100%
- America: 62%
- Africa: 17%
- TOTAL: 55%
Please make a classification of the chapters in order of importance (the highest score to the most important chapter). If you think two or more chapters are equally important, give them the same score.
Which of these chapters do you think should absolutely not be missing from the ebook?

1. CHAP 1: Rehabilitation approach to pediatric health conditions - 51
2. CHAP 2: Rehabilitation approach to geriatric health conditions - 52
3. CHAP 3: Rehabilitation approach to musculoskeletal health conditions - 50
4. CHAP 4: Rehabilitation approach to Cardiovascular and Pulmonary health conditions - 48
5. CHAP 5: Rehabilitation approach to Neurological health conditions - 52
6. CHAP 6: Rehabilitation approach to Cancer-Organ Transplant and Immune-... - 34
7. CHAP 7: Rehabilitation approach to Pelvic floor health conditions - 33
8. CHAP 8: Rehabilitation approach to Pain health conditions - 47
9. CHAP 9: Rehabilitation management - 23
10. CHAP 10: Rehabilitation approach to internal medicine health conditions (nephrology,...) - 26
11. CHAP 11: Rehabilitation approach to psychiatric health conditions - 26
12. CHAP 12: Rehabilitation approach to sport medicine health conditions - 40
13. CHAP 13: General prophylaxis approach using rehabilitation interventions - 32

Should we modify something?
Regarding your profession and your country, please rate how important each chapter is to you.

![Diagram showing ratings for each chapter]
Survey 3

Response rate: 60%

Percentage of answers - Continent

Europe: 60%
Asia: 62%
Oceania: 100%
America: 54%
Africa: 67%
TOTAL: 60%
## Final index

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Paragraphs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHAP 1:</td>
<td>Rehabilitation approach to <strong>Pediatric</strong> health conditions</td>
<td>5</td>
</tr>
<tr>
<td>CHAP 2:</td>
<td>Rehabilitation approach to <strong>Geriatric</strong> health conditions</td>
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<tr>
<td>CHAP 3:</td>
<td>Rehabilitation approach to <strong>Musculoskeletal</strong> health conditions</td>
<td>25</td>
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<tr>
<td>CHAP 4:</td>
<td>Rehabilitation approach to <strong>Cardiovascular and Pulmonary</strong> health conditions</td>
<td>5</td>
</tr>
<tr>
<td>CHAP 5:</td>
<td>Rehabilitation approach to <strong>Neurological</strong> health conditions</td>
<td>29</td>
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<tr>
<td>CHAP 6:</td>
<td>Rehabilitation approach to <strong>Cancer- Organ Transplant and Immune-compromised</strong> health conditions</td>
<td>6</td>
</tr>
<tr>
<td>CHAP 7:</td>
<td>Rehabilitation approach to <strong>Pelvic floor</strong> health conditions</td>
<td>8</td>
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<tr>
<td>CHAP 8:</td>
<td>Rehabilitation approach to <strong>Pain</strong> health conditions</td>
<td>17</td>
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<tr>
<td>CHAP 9:</td>
<td>Rehabilitation <strong>management</strong></td>
<td>8</td>
</tr>
<tr>
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<td>Rehabilitation approach to <strong>Internal medicine</strong> health conditions</td>
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<td>7</td>
</tr>
<tr>
<td>CHAP 12:</td>
<td>Rehabilitation approach to <strong>Sport medicine</strong> health conditions</td>
<td>2</td>
</tr>
<tr>
<td>CHAP 13:</td>
<td>General <strong>prophylaxis</strong> approach using rehabilitation interventions</td>
<td>7</td>
</tr>
</tbody>
</table>
Survey 4 – Preliminary results
Response rate: 58%

Percentage of answers - Continents

- Europe: 37%
- Asia: 46%
- Oceania: 100%
- America: 31%
- Africa: 17%
- TOTAL: 37%
## Starting point

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Existing Cochrane Evidence</th>
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<tbody>
<tr>
<td>CHAP 1</td>
<td>Rehabilitation approach to Pediatric health conditions</td>
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<tr>
<td>CHAP 2</td>
<td>Rehabilitation approach to Geriatric health conditions</td>
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<tr>
<td>CHAP 3</td>
<td>Rehabilitation approach to Musculoskeletal health conditions</td>
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<tr>
<td>CHAP 4</td>
<td>Rehabilitation approach to Cardiovascular and Pulmonary health conditions</td>
<td>79</td>
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<td>CHAP 5</td>
<td>Rehabilitation approach to Neurological health conditions</td>
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<tr>
<td>CHAP 6</td>
<td>Rehabilitation approach to Cancer- Organ Transplant and Immune-compromised health conditions</td>
<td>34</td>
</tr>
<tr>
<td>CHAP 7</td>
<td>Rehabilitation approach to Pelvic floor health conditions</td>
<td>42</td>
</tr>
<tr>
<td>CHAP 8</td>
<td>Rehabilitation approach to Pain health conditions</td>
<td>134</td>
</tr>
<tr>
<td>CHAP 9</td>
<td>Rehabilitation management</td>
<td>47</td>
</tr>
<tr>
<td>CHAP 10</td>
<td>Rehabilitation approach to Internal medicine health conditions</td>
<td>4</td>
</tr>
<tr>
<td>CHAP 11</td>
<td>Rehabilitation approach to Psychiatric health conditions</td>
<td>20</td>
</tr>
<tr>
<td>CHAP 12</td>
<td>Rehabilitation approach to Sport medicine health conditions</td>
<td>5</td>
</tr>
<tr>
<td>CHAP 13</td>
<td>General prophylaxis approach using rehabilitation interventions</td>
<td>25</td>
</tr>
</tbody>
</table>
Fourth Survey – Preliminary Results

According to the number of Cochrane Systematic Reviews and Protocols that have already been produced on every chapter, please rate how important is the need to produce more reviews for each chapter.
# Fourth Survey – Preliminary Results

According to each chapter, the topic for which the need to produce new CSRs is rated as **highest** is listed below.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Topic</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHAP 1: Rehabilitation approach to <strong>Pediatric</strong> health conditions</td>
<td>Musculoskeletal health conditions</td>
<td></td>
</tr>
<tr>
<td>CHAP 2: Rehabilitation approach to <strong>Geriatric</strong> health conditions</td>
<td>Depression</td>
<td></td>
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<tr>
<td>CHAP 3: Rehabilitation approach to <strong>Musculoskeletal</strong> health conditions</td>
<td>Compression Fractures of the Spine</td>
<td></td>
</tr>
<tr>
<td>CHAP 4: Rehabilitation approach to <strong>Cardiovascular and Pulmonary</strong> health conditions</td>
<td>Deconditioning</td>
<td></td>
</tr>
</tbody>
</table>
# Fourth Survey – Preliminary Results

According to each chapter, the topic for which the need to produce new CSRs is rated as highest is listed below.

<table>
<thead>
<tr>
<th>Chapter</th>
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</tr>
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<tbody>
<tr>
<td>CHAP 5:</td>
<td>Rehabilitation approach to <strong>Neurological</strong> health conditions</td>
</tr>
<tr>
<td></td>
<td>Spinal Cord Injury</td>
</tr>
<tr>
<td>CHAP 6:</td>
<td>Rehabilitation approach to <strong>Cancer-Orga</strong>n Transplant and Immune-compromised health conditions</td>
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<td></td>
<td>Palliative care</td>
</tr>
<tr>
<td>CHAP 7:</td>
<td>Rehabilitation approach to <strong>Pelvic floor</strong> health conditions</td>
</tr>
<tr>
<td></td>
<td>Sexuality and Disability</td>
</tr>
<tr>
<td>CHAP 8:</td>
<td>Rehabilitation approach to <strong>Pain</strong> health conditions</td>
</tr>
<tr>
<td></td>
<td>Headache</td>
</tr>
</tbody>
</table>
Fourth Survey – Preliminary Results

According to each chapter, the topic for which the need to produce new CSRs is rated as highest is listed below.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Topic</th>
<th>Subtopic</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHAP 9</td>
<td>Rehabilitation management</td>
<td>Intervention protocols treatment</td>
</tr>
<tr>
<td>CHAP 10</td>
<td>Rehabilitation approach to Internal medicine health conditions</td>
<td>Rehabilitation of patients with burns</td>
</tr>
<tr>
<td>CHAP 11</td>
<td>Rehabilitation approach to Psychiatric health conditions</td>
<td>Functional neurological disorders</td>
</tr>
<tr>
<td>CHAP 12</td>
<td>Rehabilitation approach to Sport medicine health conditions</td>
<td>Muscle injuries in sports</td>
</tr>
<tr>
<td>CHAP 13</td>
<td>General prophylaxis approach using rehabilitation interventions</td>
<td>Biomechanical evaluation for prevention of chronic pain</td>
</tr>
</tbody>
</table>
Fourth Survey – Preliminary Results

The Fourth survey is still ongoing and will be closed in the next weeks. Since the importance of the task, we are aiming to increase the number of answers as much as possible.

The results will then be sent to the Cochrane Review Groups to inform them on the current research gaps in Cochrane Review production and consequently on the need to produce new Cochrane Systematic Reviews on the topics that will be rated as most important.
Mandatory standards

Governance
- Provide a leading team

Stakeholder engagement
- Include at least one stakeholder
- Publish the intention to conduct a priority setting process

Documentation and dissemination:
- Document the priority setting plan
- Document the implementation of the priority-setting process

- Publish a list of priority topics
- Ensure that priority reviews are promoted on publication using the KT dissemination brief.
- Provide formal feedback on the results of the priority setting process to the stakeholders

Currency/timeframe:
- Repeat at regular intervals. At a minimum within five (5) years.
Highly desirable standards

Governance
– Include external stakeholders in the priority setting steering group.

Stakeholder engagement
– Engagement with multiple stakeholder groups

Documentation & dissemination
– Publish a report in a relevant academic journal
– Publish a detailed report on the individual website
– Notify stakeholders when the priority reviews have been conducted
– Develop a plan for how the priority reviews will be delivered
– Evaluate priority setting process and outcomes

Currency/Timeframe
– The priority-setting exercise should be repeated within three (3) years
Conclusion

The priority setting exercise of Cochrane Rehabilitation is almost concluded. It allowed to:

• refine the **current ebook index**
• indentify some **priorities**

The process has been **coherent with Cochrane** requests

**Results will be published**

How this will be implemented by the Cochrane Groups will be **monitored**
Thank you!

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