Consensus on Exercise Reporting Template (CERT): Modified Delphi Study


Background. Exercise interventions are often incompletely described in reports of clinical trials, hampering evaluation of results and replication and implementation into practice.

Objective. The aim of this study was to develop a standardized method for reporting exercise programs in clinical trials: the Consensus on Exercise Reporting Template (CERT).

Design and Methods. Using the EQUATOR Network’s methodological framework, 137 exercise experts were invited to participate in a Delphi consensus study. A list of 41 items was identified from a meta-epidemiologic study of 73 systematic reviews of exercise. For each item, participants indicated agreement on an 11-point rating scale. Consensus for item inclusion was defined a priori as greater than 70% agreement of respondents rating an item 7 or above. Three sequential rounds of anonymous online questionnaires and a Delphi workshop were used.

Results. There were 57 (response rate = 42%), 54 (response rate = 95%), and 49 (response rate = 91%) respondents to rounds 1 through 3, respectively, from 11 countries and a range of disciplines. In round 1, 2 items were excluded; 24 items reached consensus for inclusion (8 items accepted in original format), and 16 items were revised in response to participant suggestions. Of 14 items in round 2, 3 were excluded, 11 reached consensus for inclusion (4 items accepted in original format), and 7 were reworded. Sixteen items were included in round 3, and all items reached greater than 70% consensus for inclusion.

Limitations. The views of included Delphi panelists may differ from those of experts who declined participation and may not fully represent the views of all exercise experts.

Conclusions. The CERT, a 16-item checklist developed by an international panel of exercise experts, is designed to improve the reporting of exercise programs in all evaluative study designs and contains 7 categories: materials, provider, delivery, location, dosage, tailoring, and compliance. The CERT will encourage transparency, improve trial interpretation and replication, and facilitate implementation of effective exercise interventions into practice.
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hronic diseases are an emerging global issue that substantially contributes to disability and health care costs. The burden of these conditions is increasing with the aging population, and there is an urgent need to identify effective management strategies to reduce disability and associated health care costs.1,2 Supported by multiple systematic reviews,3–7 clinical practice guidelines,8–15 and position statements,14–16 exercise programs are recommended as part of the management for many chronic conditions, including, but not limited to, back and neck pain, osteoarthritis, osteoporosis, type 2 diabetes, cardiovascular and respiratory disease, cancer, human immunodeficiency virus–acquired immunodeficiency virus, and depression.

However, exercise has many dimensions and varies in type, intensity, duration, and frequency. Without explicit descriptions of exercise programs, it is not possible to explore why different trials report heterogeneous results or accurately replicate exercise protocols in other studies. The poor reporting of exercise programs makes it difficult to implement the programs/protocols in other studies. A 2012 meta-epidemiological study that included 73 systematic reviews of exercise trials for people with chronic health conditions showed that exercise programs were often incompletely reported.17,18 In particular, important domains such as type of exercise, dosage, intensity, progression rules, supervision, or whether the exercise was delivered to individuals or groups were not consistently reported. These findings reflect the generally poor quality of descriptions of complex interventions in the peer-reviewed literature.19,20 Interpretation of clinical trials, efficient use of research resources (eg, time, funding), and uptake of effective exercise programs into routine care would be facilitated if exercise programs were reported in a standardized and comprehensive manner.

The authors of the Template for Intervention Description and Replication (TIDierR), an extension of the Consolidated Standards of Reporting Trials (CONSORT) Statement, have made general recommendations for the explicit reporting of complex interventions in clinical trials.19–22 However, additional details, such as exercise type, dosage, intensity, frequency, supervision, progression and individualization, are needed to fully appreciate exercise-specific interventions.17 Here, we describe the development of the Consensus on Exercise Reporting Template (CERT), which is intended to be used as a further extension of the CONSORT Statement and the TIDierR for the explicit reporting of exercise programs across all evaluative study designs for exercise research.

Materials and Methods

Design

We followed the methodological framework for developing reporting guidelines recommended by the EQUATOR (Enhancing the QUAliity and Transparency Of health Research) Network (http://www.equator-network.org).23 The CERT was registered on the Equator Network as a reporting guideline under development (http://www.equator-network.org/library/reporting-guidelines-under-development/).

The CERT study protocol has been published.24 In brief, we used a modified Delphi method, a survey-based approach to consensus building that is based on fundamental principles of purposive sampling of experts in the field of interest, panelist anonymity, iterative questionnaire presentation, and feedback of statistical analysis.25,26 The study was designed, implemented, and coordinated by an international steering committee (S.C.S., C.E.D., M.U., and R.B.) that determined questionnaire development, data analysis, and a priori criteria for item consensus and survey termination.24

Steering Committee

The international steering committee (S.C.S., C.E.D., M.U., and R.B.) comprised expertise across a range of disciplines (epidemiology, general medical practice, physical therapy, and rheumatology), geographical areas (Australia, United Kingdom, and Canada), and research expertise (qualitative, quantitative, and Delphi methods).

Participants—Selection and Recruitment

An international panel of exercise experts was identified from exercise systematic review authorship, established national and international profiles in exercise research and practice, and peer recommendations. An expert was defined as an individual who has demonstrated expertise in the conduct and evaluation of exercise interventions. In identifying panel members, attention was given to obtaining wide geographical and professional coverage. Participants were provided with an explanatory statement that informed them of the study objectives, how much input would be expected of them, and how their contribution would be used. We also provided a summary of the evidence and the proposed exercise reporting grid from the 2012 meta-epidemiological study.17

Ethics

The Cabrini Institute Ethics Committee approved the project (HREC 02-07-04-14). Potential participants were informed that by responding to the questionnaire, they were deemed to have consented to participate in the study and to have their de-identified responses included in any analyses. All named participants also provided consent to be acknowledged in this article.

Survey Tool

We used the results of the 2012 meta-epidemiological study that identified 43 key exercise descriptors and items recommended in the American College of Sports Medicine models for exercise prescription as the initial draft item set.16,17 After removal of irrelevant or duplicate items and pilot testing, 41 items were included in the first survey (Appendix 1). For each item, participants were asked to indicate their level of agreement on an 11-point numerical rating scale (ranging from 0=strongly disagree to 10=strongly agree; 5=neither agree nor disagree) that the item is essential to include in a checklist of reporting requirements for exercise programs in clinical trials. We also had a free-text field for each item to encourage feedback and suggestions, and a final question asked for any additional comments or suggestions.
Survey Process and A Priori Decisions

Survey Monkey (http://www.surveymonkey.com) software was used to produce and conduct the survey. Identified experts were invited to participate in June–July 2014 via an email that included an explanatory statement and offer of coauthorship for participants completing all Delphi rounds. Survey rounds were conducted until consensus was achieved and no new issues or items emerged.

There were 3 sequential rounds of anonymous online surveys. Each Delphi round was conducted over a 14-day period with approximately 8 weeks between rounds to allow for analysis, item refinement, and pilot testing. Each Delphi round took approximately 30 minutes to complete, could be completed over multiple computer sessions, and could be reviewed prior to submission. Reminders were emailed to nonresponders approximately 10 days after the initial mailing in each round, with additional reminders at 2-week intervals after the requested submission date. Only participants who completed a survey round were included in the subsequent round. The results for each item in each round were displayed graphically together with a narrative summary and a thematic analysis of qualitative data (free-text responses). The feedback document included a full description of the results for each item, including whether they fulfilled criteria for inclusion or exclusion or consensus had not been reached, and a summary of participant comments. These data were emailed to participants just prior to rounds 2 and 3.

Consensus for inclusion of an item into the CERT was defined a priori as greater than 70% of respondents rating an item as 7 or above on the 0 to 10 scale. Items were excluded if greater than 70% of respondents rated an item as 3 or below. We assumed that items were unclear if they were rated 4, 5, or 6 by greater than 30% of respondents or generated more than 10 comments. Suggestions or comments for modifications of concept or wording were considered by the steering committee (eg, where there was ambiguous wording, similarity to another item, and so on). Using data from the qualitative content analysis, the steering committee reworded or combined items that were deemed unclear from earlier rounds for inclusion in subsequent rounds.

Round 1 was conducted in June–July 2014, and round 2 was conducted in September–October 2014. The results of rounds 1 and 2 were presented at a workshop at the XIII International Low Back Forum in October 2014, which was attended by 30 researchers and clinicians with expertise in low back pain and musculoskeletal conditions (http://www.lbpforum.com.br), 8 of whom were participating in the Delphi survey. The purpose of the presentation was to invite comments about the process of development of the CERT and whether the CERT had broad applicability to low back pain exercise trials. We also invited comments about the wording of items, but...
not about whether they should be included in the CERT. The workshop was audio-recorded with informed consent, transcribed, and analyzed qualitatively with content analysis methods, and the findings were used to inform the third Delphi round.

Round 3 was conducted in December 2014–January 2015. For this round, we included all items that had reached consensus for inclusion in rounds 1 and 2 in their original format, items that reached consensus for inclusion in round 2 but required further clarification, and any remaining items for which no consensus had been reached. Feedback from comments received in round 2 informed rewording of all items. We also rearranged and categorized the items to be consistent with the framework and domain categories of the CONSORT Statement and TIDieR.19,21,22

Role of the Funding Source
This research project was funded by Arthritis Australia (Philip Benjamin, Grant No: 2014G1A03). Professor Buchbinder is funded by an Australian National Health and Medical Research Council (NHMRC) Senior Principal Research Fellowship.

Results
Participants
Of 137 invited experts, 57 participants (response rate=42%) completed round 1, 54 completed round 2 (response rate=95%), and 49 completed round 3 (response rate=91%). The respondents came from 11 countries (Australia [n=11], Brazil [n=2], Canada [n=9], Denmark [n=8], France [n=1], Germany [n=1], the Netherlands [n=8], New Zealand [n=2], Norway [n=2], United Kingdom [n=9], and United States [n=4]) and represented the following disciplines: biostatistics (n=2), chiropractic (n=5), epidemiology (n=4), exercise physiology (n=6), general and specialist medical practice (n=5), occupational therapy (n=1), physical therapy (n=28), psychology (n=1), sports science (n=1), and surgery (n=5). Five of the participants reported having more than one discipline: chiropractor/physical therapist
(n=1), specialist medical practitioner/epidemiologist (n=1), biostatistician/specialist medical practitioner (n=1), physical therapist/epidemiologist (n=1), and psychologist/specialist medical practitioner (n=1). Across participants, there was expertise in exercise across a range of health conditions, including cardiovascular, respiratory, stroke and other neurologic conditions, musculoskeletal, depression and anxiety, diabetes, cancer, and urinary incontinence.

Results of Delphi Process

Figure 1 summarizes the results of individual rounds of the study and the flow of items through the study. In round 1, not all participants answered every question and indicated their level of agreement for all items, and level of agreement was 100% for 8 items (57/57 participants), 98% for 8 items (56/57 participants), 96% for 18 items (55/57 participants), and 95% for 7 items (54/57 participants). Of the 41 items included in round 1, 24 items reached consensus for inclusion, 2 reached consensus for exclusion, and no consensus was reached for 15 items (Figs. 1 and 2, Appendix 1 [round 1]). The 2 excluded items were the context of the qualifications of the exercise instructor and the participants’ pre-existing fitness levels. Items with the greatest consensus for inclusion were: type of exercise equipment used (95% scored it 7 or above and 61% scored it 10); whether there were measures of exercise adherence (89% scored it 7 or above, and 62% scored it 10); whether the exercises were supervised or unsupervised (94.6% scored it 7 or above, and 71% scored it 10); specification of the number of exercise sessions per week (82% scored it 7 or above and 72% scored it 10); and duration of the exercise program (97% scored it 7 or above, and 72% scored it 10). Additionally, 512 comments were generated. Based on these comments, wording of 16 of the 24 included items required revision. These 16 items, together with the 15 items that failed to reach consensus, were reformulated (reworded or combined according to participant feedback) by the steering committee into 14 items for round 2 (Fig. 1, Appendix 1 [round 2]).

In round 2, level of agreement was indicated by 53/54 participants (99%) for 4 items and all participants for the remaining 10 items. Eight items reached consensus for inclusion, 3 items reached consensus for exclusion, and no consensus was reached for 3 items (Figs. 1 and 3, Appendix 1 [round 2]). The 3 excluded items were: number of years of instructor experience, whether there were warm-up or cool-down activities, and whether the speed of the exercises was described. Items with the greatest consensus for inclusion were: whether there were measures of exercise adherence (98% scored it 7 or above, and 57% scored it 10), whether exercises were tailored to the individual or “one size fits
all” (96% scored it 7 or above, and 64% scored it 10), and whether the exercise dosage (e.g., number of exercise repetitions, sets, and sessions) was described (89% scored it 7 or above, and 65% scored it 10). Comments were provided for all items, with 180 comments overall. Based on this feedback, we reformulated all accepted items (8 items from round 1 and 8 items from round 2), together with the 3 items that failed to reach consensus, into 16 items for round 3 (Fig. 1, Appendix 1 [round 3]).

All of the items included in round 3 reached consensus for inclusion (Fig. 4), and no new issues were raised in the 133 comments that were received. In round 3, level of agreement was indicated by 47/49 participants (96%) for one item, by 48 participants (98%) for 2 items, and by all participants for the remaining 13 items. Items with the greatest consensus for inclusion were: whether the exercises were performed individually or in a group (84% scored it 7 or above, and 53% scored it 10); whether nonexercise components were included (92% scored it 7 or above, and 55% scored it 10); specification of the explicit details of the program dosage, such as the number of exercise repetitions and sets (90% scored it 7 or above and 58% scored it a 10); whether there were measures of exercise adherence (96% scored it 7 or above, and 59% scored it 10); and whether adverse events that occurred during exercise were described (88% scored it 7 or above, and 59% scored it 10).

In summary, round 3 included 16 items (8 items from round 1, 4 items from round 2, and 4 revised items).

The final 16-item CERT checklist is shown in abbreviated form in the Table and is modeled on the TIDieR domains and headings. It consists of the following 7 categories consistent with the TIDieR: (1) What—materials: item 1 (the equipment that is used for the exercise intervention), (2) Who—provider: item 2 (the characteristics and expertise of the exercise instructor), (3) How—delivery: items 3 through 11 (the way in which the exercises are delivered to the participant), (4) Where—location: item 12 (the setting in which the exercises are performed), (5) When, how much—dosage: item 13 (a detailed description of how the exercises are performed), (6) Tailoring—what, how: items 14 and 15 (the way in which the exercises are prescribed and progressed), and (7) How well—compliance/planned or actual: item 16 (whether the exercises are delivered and performed as intended).

**Discussion**

International exercise experts reached a high level of consensus on a set of key items that they considered to be necessary for reporting replicable exercise programs. The need for an exercise-specific reporting guideline became evident from the results of a meta-epidemiological study. The
The CERT will be generalizable across all exercise-specific domain was needed. The TIDieR, the study participants indi-

cating a health research reporting guideline, recommended by Moher et al23 for develop-

ing and harmonized the CERT with the CONSORT Statement and the TIDieR for con-

We included international exercise experts from 11 countries, many of whom are multilingual, thus maximizing the potential for cross-cultural adapta-

tion. It is, however, currently a limitation that the items are published only in Eng-

lish. It also will be important to develop and publish standard adaptations.

The views of included Delphi panelists also may differ from those of experts who declined participation and may not fully represent the views all exercise experts. To try to minimize this limitation, a comprehensive search was con-

ducted to identify experts, supplemented by a snowballing technique of peer recommendation, to ensure a final respondent sample that represented a range of international researchers and cli-

icians. Our participant group included a multidisciplinary range of participants who had expertise in exercise trials across a range of health conditions. It is likely, therefore, that our results will be generalizable across exercise interven-

tions regardless of the health condition under study.

There is debate over who constitutes an 

expert in the Delphi process. We sup-

port a suggestion by Fink et al that “[a]n 

expert should be a representative of 

their professional group with sufficient 

expertise not to be disputed or the 

power required to instigate the 

findings.”27(p982) In our Delphi study, all 

participants appeared to fulfill this 

definition.

In summary, the CERT checklist evolved 

through several iterations and followed the EQUATOR Network recommenda-

tions. The process began with a prelimi-

nary checklist of 41 items derived from a meta-epidemiologic study of systematic 

reviews of exercise trials for chronic 

health conditions. The checklist was 

refined by international exercise experts 

in 3 iterative Delphi consensus survey 

rounds and a Delphi workshop, and the

Table.

Final Consensus on Exercise Reporting Template (CERT) With 16 Abbreviated Items

<table>
<thead>
<tr>
<th>Item Category</th>
<th>Item No.</th>
<th>Abbreviated Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHAT: materials</td>
<td>1</td>
<td>Type of exercise equipment</td>
</tr>
<tr>
<td>WHO: provider</td>
<td>2</td>
<td>Qualifications, teaching/supervising expertise, and/or training of the exercise instructor</td>
</tr>
<tr>
<td>HOW: delivery</td>
<td>3</td>
<td>Whether exercises are performed individually or in a group</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Whether exercises are supervised or unsupervised</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Measurement and reporting of adherence to exercise</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Details of motivation strategies</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Decision rules for progressing the exercise program</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Each exercise is described so that it can be replicated (eg, illustrations, photographs)</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Content of any home program component</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Nonexercise components</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>How adverse events that occur during exercise are documented and managed</td>
</tr>
<tr>
<td>WHERE: location</td>
<td>12</td>
<td>Setting in which exercises are performed</td>
</tr>
<tr>
<td>WHEN, HOW MUCH: dosage</td>
<td>13</td>
<td>Detailed description of the exercises (eg, sets, repetitions, duration, intensity)</td>
</tr>
<tr>
<td>TAILORING: what, how</td>
<td>14</td>
<td>Whether exercises are generic (“one size fits all”) or tailored to the individual</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Decision rule that determines the starting level for exercise</td>
</tr>
<tr>
<td>HOW WELL: planned, actual</td>
<td>16</td>
<td>Whether the exercise intervention is delivered and performed as planned</td>
</tr>
</tbody>
</table>
CERT: Exercise Reporting Guideline

Dr Slade, Professor Dionne, Professor Underwood, and Professor Buchbinder designed the study and survey tool, drafted the manuscript with input from all other authors, and performed data analysis. Dr Slade was responsible for implementing the survey. All authors read and approved the final manuscript.

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References
CERT: Exercise Reporting Guideline


Appendix 1.
Iteration of Consensus on Exercise Reporting Template (CERT) Items

Round 1: 41 Items
1. It is essential to specify the setting in which exercise is to be performed (eg, whether the exercises are performed in clinic, gym, hospital, at home)
2. It is essential to specify whether the exercises are performed individually or in a group
3. It is essential to report the type of exercise equipment that is used for the program (eg, weights, machines, exercise bicycle, treadmill)
4. It is essential to specify the professional qualifications of the exercise instructor (eg, physical therapist, other allied health professional, exercise physiologist, gym instructor)
5. It is essential to report the type of qualification of the exercise instructor (eg, certificate, diploma, undergraduate, postgraduate)
6. It is essential to report the context of qualification of the exercise instructor (eg, country)
7. It is essential to report the number of years of experience of the exercise instructor
8. It is essential to identify or know the level of participant exercise skill/ability
9. It is essential to identify or know participant familiarity with exercise
10. It is essential to identify or know important comorbidities that will require exercise to be modified
11. It is essential to report the initial level of participant muscle strength
12. It is essential to report the initial level of participant fitness
13. It is essential to report participant exercise preferences (eg, activity, gym, dance, yoga, martial arts, water, home, indoor, outdoor)
14. It is essential to specify whether the exercises are supervised or unsupervised
15. It is essential to specify whether exercises are tailored for the individual
16. For tailored or individualized programs, it is essential that the assessment and tailoring are described in detail
17. It is essential to specify whether the program is a predetermined set of generic exercises
18. It is essential to specify whether and how adherence to exercise is to be reported
19. It is essential to specify details of motivation strategies (motivation strategies increase the effectiveness of exercise, but it is unclear whether or how they should be reported for exercise programs)
20. It is essential to specify warm-up activities (eg, stretching, treadmill)
21. It is essential to specify cool-down activities (eg, stretching).
22. It is essential to report what guidance a participant is given about symptoms experienced during exercises (Exercise may cause generalized pain or an aggravation of symptoms, which may influence a person’s willingness or ability to participate in an exercise program. It may be appropriate to give advice regarding what symptoms are acceptable or not and guidelines for when to continue, modify, or cease exercise because of pain.)
23. It is essential to report a decision rule that assists in determining the starting point of exercise performance (exercise prescription involves making decisions about commencing a program at a level that is appropriate for the participant)
24. It is essential to specify or name each of the exercises (eg, squat, “lat pulldown,” push-up, lunge, sit-ups)
25. It is essential to specify the position in which each exercise is performed (eg, lying supine or prone, sitting, standing)
26. It is essential to describe the type of each exercise (eg, concentric, eccentric, isometric, plyometric, aerobic, stretching, strengthening, endurance, power)
27. It is essential to report the duration (eg, number of seconds) of each exercise

(Continued)
Appendix 1.
Continued

32. It is essential to report the number of repetitions of each exercise.
33. It is essential to report the number of sets of each exercise.
34. It is essential to report the total duration (time in minutes) of each exercise session (all exercises included).
35. It is essential to report the number of exercise sessions per week.
36. It is essential to report the duration (total time in weeks) of the entire exercise program.
37. It is essential that the speed (fast or slow) of each exercise is reported.
38. It is essential that the order in which the exercises are performed is reported (the sequence of exercise may influence the quality of performance or the overall outcome of exercise results).
39. It is essential to report the presence and/or length of a rest period between sets of exercise in a program.
40. It is essential to describe the nonexercise components of the intervention (eg, education, behavioral).
41. It is essential to report how the fidelity of the exercise intervention or program will be assessed or measured (ie, whether the planned program and actual performance concurred).

Round 2: 14 Items
1. It is essential to report the training that an instructor has in teaching and supervising exercise (eg, physical therapist, exercise physiologist, other health care professional, gym instructor, personal trainer).
2. It is essential to report the number of years of experience (eg, less than 5 years, more than 5 years) that an instructor has in teaching and supervising exercise.
3. It is essential to report participant characteristics (eg, exercise familiarity and/or ability and/or preferences, comorbid factors).
4. It is essential to report, and describe, a decision rule that uses baseline measures, such as strength or aerobic capacity, to determine the starting level at which participants commence exercise.
5. It is essential to specify whether exercises are tailored to the individual (personalized, individualized, or adapted) or generic (“one size fits all”).
6. If the intervention was planned to be personalized, individualized, or adapted, it is essential to describe what, why, when, and how.
7. It is essential to specify whether and how adherence to exercise is to be measured and reported.
8. It is essential to explicitly describe warm-up and/or cool-down activities (eg, stretching, treadmill).
9. It is essential to report what guidance or instructions a participant is given for when to continue, modify, or cease exercise because of pain or symptom aggravation.
10. It is essential to describe the way in which it is decided to progress through an exercise program (eg, Borg Exertion Scale, quantified resistance or weight, 1 repetition maximum [1RM]).
11. It is essential to specify and describe each exercise so that it can be replicated (eg, photographs, illustrations, online appendixes and supplementary data, starting position, action).
12. It is essential to describe the intervention participants received over what period of time, the number of sessions, the duration of each session, and the number of exercise repetitions and exercise sets.
13. It is essential that the speed (fast, slow, continuous, static hold) and order of performance of each exercise is reported.
14. It is essential to report the presence and/or length of a rest period between sets of exercises in a program.

Round 3: 16 Items
1. It is essential to specify the type of exercise equipment (eg, weights, machines, exercise bicycle, treadmill).
2. It is essential to specify the qualifications, and teaching/supervising expertise, of the exercise instructor.
3. It is essential to specify whether the exercises are performed individually or in a group.
4. It is essential to specify whether exercises are supervised or unsupervised.
5. It is essential to specify how adherence to exercise is to be measured and reported.
6. It is essential to specify details of motivation strategies.
7. It is essential to describe the way in which it is decided to progress through an exercise program.
8. It is essential to specify and describe each exercise so that it can be replicated (eg, photographs, illustrations, online appendixes).
9. It is essential to specify the content of any home program component.
10. It is essential to describe the nonexercise components of the intervention (eg, cognitive behavioral therapy).
11. It is essential to report adverse events that occur during an exercise intervention.
12. It is essential to specify the setting in which exercise is to be performed.
13. It is essential to specify and explicitly describe the exercise intervention (ie, number of exercise repetitions, number of exercise sets, number of sessions, duration of each session, duration of intervention or program).
14. It is essential to specify whether exercises are generic or whether, and how, they are tailored to the individual.
15. It is essential to specify, where applicable, a decision rule that determines the starting level at which participants commence exercise (ie, beginner, intermediate, or advanced).
16. It is essential to report how the adherence or fidelity to the exercise intervention will be assessed or measured.
CERT: Exercise Reporting Guideline

Appendix 2.
Consensus on Exercise Reporting Template (CERT) Delphi Panel

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