









Holger Schünemann, MD, MSc, PhD, FRCPC @schunemann_mac | schuneh@mcmaster.ca On behalf of the eCOVID RecMap team

HEI @McMaster CERC @Humanitas

EBHC, Taormina 27 | 10 | 2023

Disclosures

No direct financial conflicts

GRADE Working Group Co-Chair

Cochrane Canada - Director

Guidelines International Network - chair

INGUIDE – steering committee lead

Research grants from Canadian Institutes of

Health Research (FRN VR4-172741, GA3-

177732 & REC 183153), American Society of

Hematology (ASH), WHO, Public Health

Agency of Canada

Thank you: WHO Global TB program, ASH,

RecMap team, CAN-PCC team &

Elie Akl!

Views expressed my own









Land Acknowledgment

McMaster University sits on the traditional territories of the Mississauga and Haudenosaunee nations and within the lands protected by the Dish With One Spoon wampum agreement.

Today's talk

Living guidelines....

What they are

Beyond single guidelines: Recommendation Mapping

One role for Al

Introduction of living guidelines (Cochrane Canada 2017):

In a living guideline, the unit of update is the individual recommendation and not necessarily the whole guideline (underlying principle).





Journal of Clinical Epidemiology

Journal of Clinical Epidemiology 91 (2017) 47-53

Living systematic reviews: 4. Living guideline recommendations

Elie A. Akl^{a,*}, Joerg J. Meerpohl^b, Julian Elliott^c, Lara A. Kahale^d, Holger J. Schünemann^e, on behalf of the Living Systematic Review Network

^aDepartment of Internal Medicine and Clinical Research Institute, American University of Beirut, Beirut, Lebanon

^bCochrane Germany, Medical Center - University of Freiburg, Freiburg, Germany

^cDepartment of Infectious Diseases and Cochrane Australia, School of Public Health and Preventive Medicine, Monash University, Melbourne, Australia

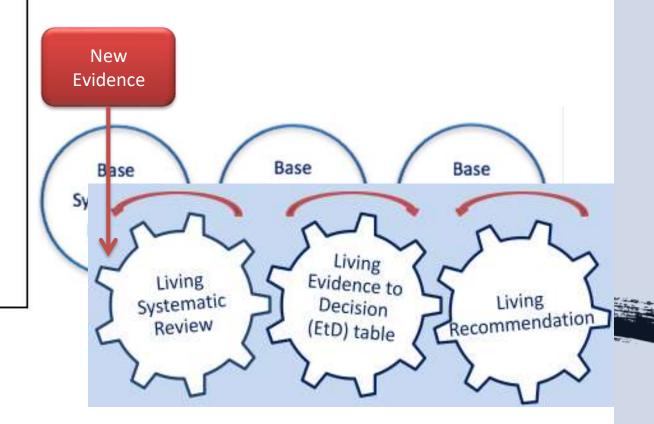
^dClinical Research Institute, American University of Beirut, Beirut, Lebanon

^eDepartment of Medicine and Department of Health Research Methods, Evidence, and Impact, Hamilton, Ontario, Canada

Accepted 17 August 2017; Published online 11 September 2017

Box 3 Elements necessary for producing living recommendations

- Living systematic review
- Living Evidence Profile
- Living Evidence to Decision (EtD) table
- Living guideline panel
- Living peer review process
- Living publication and dissemination
- Living budget



Definitions 2017

- Living practice guideline: an optimization of the guideline development process to allow updating of individual recommendations as soon as relevant new evidence becomes available.
- Living recommendation: a recommendation which is updated <u>as soon as relevant new</u> evidence becomes available.
- Living systematic review: a systematic review which is continually updated, incorporating relevant new evidence as it becomes available.





Journal of Clinical Epidemiology

Degree of Circust Speleonology 91 (2017) 47-52





Cochrane Database of Systematic Reviews

Parenteral anticoagulation in ambulatory patients with cancer (Living Systematic Review)

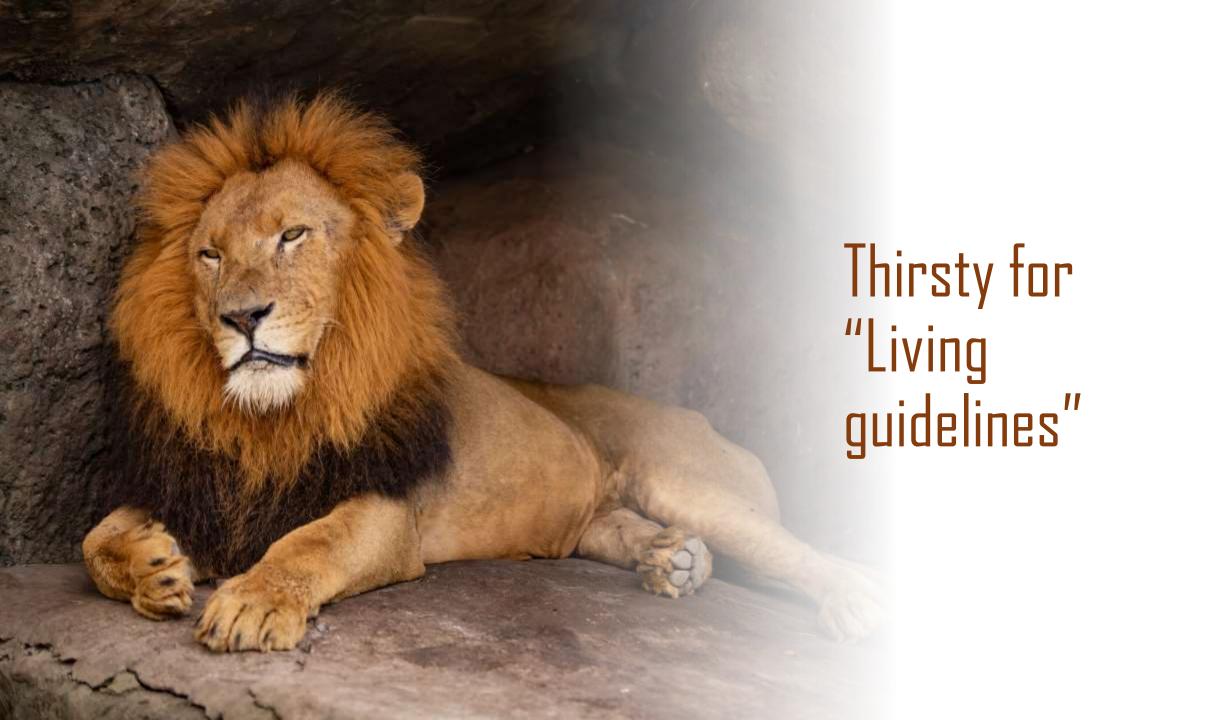
Aki EA, Kahale LA, Hakoum MB, Matar CF, Sperati F, Barba M, Yosuico VED, Terrenato I, Synnot A, Schünemann H

Aki EA, Kahale LA, Haksum MB, Matar CF, Sperati F, Barba M, Yosuico VED, Terrenato I, Synnot A, Schünemann H. Parenteral anticoagulation in ambulatory patients with cancer. Cochrime Database of Systematic Reviews 2017, Issue 9. Art. No.: CD006652, DOE 10.1002/14653958. CD006652.pubbs.

www.cochranelibrary.com

Parenteral anticoagulation in ambulatory patients with cancer (Review)
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WILEY



Definitions

 Living practice guide. updating of individual rec. available.

 Living recommendation: a recommendation evidence becomes available.

 Living systematic review: a systematic revi. incorporating relevant new evidence as it becu.

We tried to make it simple but it was e guideline development process to allow as relevant new evidence becomes

ed as soon as relevant new

Begrest of Clercal Spagementage 93 (2017) 47-40

lying systematic reviews: 4. Living guideline recommendations

Elie A. Aklin, Joerg J. Meerpohl, Julian Elliott, Lara A. Kahale, Holger J. Schünemann, on behalf of the Living Systematic Review Network

Why too simple? to not say naïve



American Society of Hematology living guidelines on the use of anticoagulation for thromboprophylaxis in patients with COVID-19: May 2021 update on the use of intermediate-intensity anticoagulation in critically ill patients

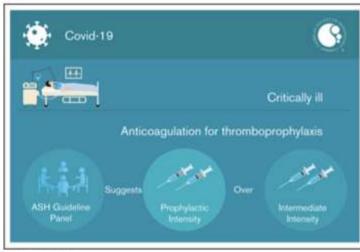
Adam Cuker, ^{1,8} Eric K. Tseng, ^{2,4} Robby Nieuwlast, ³ Partep Angchasuksin, ⁴ Clifton Blair, ⁵ Kathryn Dane, ⁶ Jennifer Davila, ⁷ Maria T. DeSancho, ⁸ David Diuguid, ⁹ Daniel O, Griffin, ¹⁰⁻¹² Susan R. Kathr, ¹³ Frederikus A. Klok, ¹⁴ Alfred Jan Lee, ¹⁵ Ignacio Neumann, ¹⁸ Ashok Pai, ¹⁷ Marc Righini, ¹⁸ Kristen M. Sanflippo, ¹⁹ Deborah Siegal, ²⁰ Mike Skára, ²¹ Deirdra R. Terrell, ²² Kamshad Tour, ²³ Elie A. Akl, ²⁴ Inad Bou Akl, ²⁴ Antonio Bognanni, ³⁰ Ary Soulos, ²⁵ Romina Brignardello-Petersen, ³ Rana Chande, ²⁶ Matthew Chan, ²⁷ Karin Deamess, ²⁸ Andrea J. Darzi, ³ Philipp Kolb, ²⁶ Luis E. Colunga-Lozano, ²⁹ Razan Mansour, ³⁰ Gian Paolo Morgano, ³ Rami Z. Morsi, ³¹ Giovanna Muti-Schünemann, ³ Alefeh Noori, ³² Binu A. Philip, ³ Thomas Piggott, ³ Yuan Cku, ³² Yetiani Roldan, ³ Finn Schünemann, ³³ Adnienne Stevens, ³ Karla Solo, ³ Wojtek Wiercioch, ³ Reem A. Mustala, ^{3,34} and Holger J. Schünemann, ³³

Critically III Patients

In patients with COVID-19 related <u>critical illness</u> who do not have confirmed or suspected venous thromboembolism, should we use prophylactic-intensity vs. intermediate-intensity anticoagulation?

Access the guidelines published in Blood Advances on February 8, 2021:

American Society of Hematology living guidelines on the use of anticoagulation for thromboprophylaxis in patients with COVID-19: May 2021 update on the use of intermediate-intensity anticoagulation in critically ill patients



RECOMMENDATION 1A (PUBLISHED IN BLOOD ADVANCES ON FEB 8, 2021)

The American Society of Hematology (ASH) guideline panel suggests using prophylactic-intensity over intermediate-intensity anticoagulation for patients with coronavirus disease 2019 (COVID-19)-related critical illness who do not have suspected or confirmed venous thromboembolism (VTE) (low certainty of evidence).



Living recommendation: a recommendation <u>which is updated as soon</u> as relevant new evidence becomes available.

Update as soon as new evidence becomes available?

- Update meaning what exactly?
- And what evidence?
 - E.g., systematic reviews on baseline risk pretty complicated...
 - On EtD factors that determine a recommendation
- And even if there was evidence... working with trialists was challenging
 - Did not really share data
 - Different outcomes then what we needed for guidelines
 - Disagreement on analytical approaches





Journal of Clinical Epidemiology

Journal of Clinical Epidentorius (62 (2023) 196-199

COMMENTAR

Prospective collaborative recommendation development: a novel model for more timely and trustworthy guidelines

Elie A. Akl^{a,h,*}, Adam Cuker^{c,d,*}, Reem A. Mustafa^h, Robby Nieuwlaat^h, Adrienne Stevens^f, Holger J. Schünemann^{h,g}

Consequential evidence

CLINICAL GUIDELINES



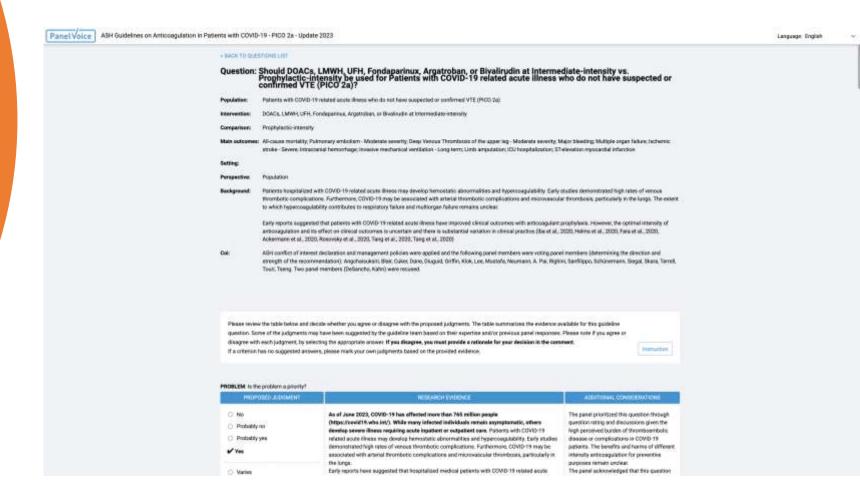
American Society of Hematology living guidelines on the use of anticoagulation for thromboprophylaxis in patients with COVID-19: May 2021 update on the use of intermediate-intensity anticoagulation in critically ill patients

If the chairs decide to move forward with reconsidering a recommendation, the panel will be asked whether or not the new evidence will warrant discussion of a revised EP and EtD based on the following criteria:

- Information on a critical outcome that previously had no included studies
- Magnitude of the absolute effect changed importantly for at least one critical outcome
 - The panel will be asked to make judgments of the magnitude of effects for individual outcomes going forward and subsequently if this magnitude of effect may change (including the direction of change), e.g. from moderate to large for a critical outcome
- Certainty of the evidence for absolute effect increased for at least one critical outcome
 - Suggestion: increase from Very low or Low to Moderate or High
- Potential change in the judgments regarding any other criteria that had an important bearing on the recommendation (costs, feasibility, acceptability, equity)

How we determined if we should update a recommendation

- If >50% of panel members agree, we will proceed to update.
 - Introduced <u>decision thresholds for magnitudes of effect</u> to ensure internal consistency



Evaluation

- Panelview tool
 - Evaluation of the process etc by panel
- Scores on a 7-point scale
 - All means > 6.2!
 - A whole lot of love in the panel

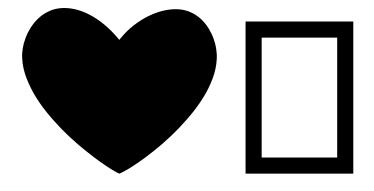


Table 1: PANELVIEW evaluation at the initial and living phase of developing recommendations

Wiercioch et al. (GIN 2023)

PANELVIEW Item Ratings December 2020 March 2022 1 - strongly disagree; 7 - strongly agree) Rating (n=19) Rating (n=15) Mean Mean 1. The logistical support provided for organization of the guideline project and panel meeting was appropriate (e.g. 6.9 (0.3) 6.6 (0.6) scheduling of meeting 2. There was adequate preparatory work and meetings/teleconferences prior to the final panel meeting. 6.9 (0.3) 6.6 (0.5) 3. Adequate time was given for guideline group members to complete tasks (e.g. surveys, providing feedback) throughout the development of the guideline, and to review the evidence summary and other material prior to the 6.3 (1.3) 6.4 (0.7) panel meeting. 4. Adequate time was allotted for the final panel meeting for all guideline questions to be discussed and 6.9 (0.3) 6.6 (0.5) recommendations to be formulated. 5. The panel meeting(s) had a clearly defined agenda and objectives. 6.9 (0.2) 6.9 (0.4) 6. Information was provided about the specific methodology and frameworks to ensure understanding of the 6.9 (0.3) 6.5 (0.7) overall process and steps that would be used to develop the guideline. 7. The panel chair(s) was able to provide clinical and methodological guidance during the meeting, providing 6.9 (0.2) 6.8 (0.4) direction and support for decision-making. 8. The panel chair(s) was able to manage the group process, establishing an atmosphere of support that ensured 6.9 (0.3) 6.7 (0.5) involvement of all panel members in the discussion and free expression of opinions. 9. There was appropriate management of potential interests (financial, academic) of guideline group members, of 6.9 (0.3) 6.8 (0.4) the organization, and in the evidence synthesis being free from bias. 10. There was appropriate management of potential bias in panel members' interpretation of evidence and 6.8 (0.4) 6.6 (0.5) alignment with prior beliefs. 11. The panel was given sufficient opportunity to be involved in the prioritization of questions and scoping of the 6.8 (0.4) 6.5 (0.8) 12. The final scope of the guideline was clearly communicated to the guideline development group and 6ment was 6.8 (0.4) 6.7 (0.5) 13. The evidence synthesis was rigorous. 6.8 (0.4) 6.6 (0.6) 14. A transparent and usable summary of the evidence was made available for the panel discussion. 6.7 (0.6) 6.6 (0.6) 15. Appropriate consideration was given to the evidence, including all relevant types, and balanced with panel 6.8 (0.4) 6.6 (0.5) members' input and opportunity to use their experience to interpret the evidence. 16. The method or process used for decision making with the available evidence was appropriate: 6.7 (0.6) 6.6 (0.5) 17. There was appropriate involvement and consultation with key stakeholders during the guideline development. 6.4(1) 6.2(1) 18. Appropriate consideration was given to patients' views, perspectives, values and preferences. 6.5 (0.6) 5.6 (1.5) 19. An appropriate method was used for formulating the recommendations with transparency of judgements made. 6.7 (0.5) 6.5 (0.6) 20. Appropriate consideration was given to relevant external factors (e.g. policy implications, setting-specific 6.6 (0.6) 6.5 (0.7) healthcare factors, acceptability of recommendations) in formulating the guideline recommendations. 21. The consensus method used by the panel was appropriate, allowing ability to reach consensus. 6.7 (0.5) 6.5 (0.6) 22. The wording of the guideline recommendations formulated was clear and actionable. 6.8 (0.4) 6.5 (0.6) 23. There was transparency in going from the panel's recommendation to the final recommendations that appear in 6.8 (0.4) 6.7 (0.5) the guideline report and notice was given about any changes made. 24. There was diversity in membership and adequate representation of backgrounds, specialties and balance of 6.8 (0.4) 6.2 (1.4) expertise in the panel composition. 25. The panel size was appropriate. 6.8 (0.5) 6.6 (0.5) 26. The required commitment was at an appropriate level for the guideline group members. 6.8 (0.4) 6.6 (0.5) 27. The contributions of the guideline group members were valued and appropriate credit was given. 6.8 (0.4) 6.7 (0.5) 28. There was mutual respect between guideline group members with friendly and professional conduct. 6.9 (0.3) 6.8 (0.4) 29. Appropriate consideration was given to the discussion of research gaps and needs for future research. 6.8 (0.4) 6.2 (1.1) 30. Appropriate consideration was given for the planning of dissemination and implementation of the guideline. 6.8 (0.4) 6.3 (1.3) 31. The writing of the guideline was well planned, with 6ment on the format(s) and opportunity for panel members 6.7 (0.7) 6.7 (0.5) to provide input and review the guideline draft.

Qualitative study

• N = 15 panel members

Table 2: Highlights of key themes identified by the guideline panel and evidence synthesis team as barriers, challenges, and facilitators in the living guideline process:

Challenges and Barriers	Facilitators			
Evidence Synthesis and Formulating Recommendations				
Dealing with very low certainty evidence o "The time frame and the pace of the movement in this area have combined to increase pressure to produce guidelines even in the absence of adequate data."	Applying rigorous evidence synthesis methods following a priori protocol.			
Handling of pre-prints, concerns about inaccuracy of data, and waiting for full publication and access to full data "Out of the control for anyone. Trials announced a long time ago but we have been waiting for data. Concern about inaccuracy of data and getting it wrong with the recommendation."	Clear triggers for updating recommendations.			
Tracking of changes in inclusion and exclusion criteria through living process. Information overload with volume of evidence to screen.	Use of online systematic review tools, detailed data abstraction forms, guidance documents.			
Changing evidence and changing baseline risk estimates for health condition in question	Weekly meetings with evidence synthesis team and methods advisory group.			
Panel Group Process				
Maintaining patient representative engagement o "It was challenging to include input from patient representatives. I think the virtual format made this more difficult."	Virtual meetings o "I think the virtual format was key. The living phase would not have been possible if in person meetings had been required."			
Maintaining frequency of panel meetings, and requiring ad hoc meetings o "Issue of timing and bandwidth. We can only do so many updates and have monthly meetings organized, can we have weekly updates and panel meetings?"	Chairing of group process and panel meetings. Central coordination of guideline development and evidence synthesis. "Nobody tried to be leader and impose his opinions."			
Publication and Dissemination of Living Recommendations	vi			
Delays in publication of updated recommendations o "The articles took much too long to be published. ASH could consider streamlining approval and publication processes."	Arrangement, discussion and submission of publication to host journal.			
Speed at which primary studies and trials are published and made available.				

CLINICAL GUIDELINES



American Society of Hematology living guidelines on the use of anticoagulation for thromboprophylaxis in patients with COVID-19: May 2021 update on the use of intermediate-intensity anticoagulation in critically ill patients

Adam Cuker, 1.º Eric K. Tseng, 2.º Robby Nieuwlast, 3 Pantep Angchaisuksiri, 4 Clifton Blair, 5 Kathryn Dane, 6 Jennifer Davila, 7 Maria T. DeSancho, David Duguid, Daniel O. Griffin, 10-12 Susan R. Kahn, 13 Frederikus A. Klok, 14 Alfred Ian Lee, 15 Ionacio Neumann, 18 Ashok Pai, 17 Marc Righini, 18 Kristen M, Sanflippo, 19 Deborah Siegal, 20 Mike Skara, 21 Deirdra R, Terrell, 22 Kamshad Touri, 23 Elie A. Aki, 26 Imad Bou Aki, 24 Antonio Bognanni, 3 Mary Boulos, 26 Romina Brignardello-Petersen, 3 Rana Charide, 28 Matthew Chan, 27 Karin Deamess, 38 Andrea J. Darzi, 3 Philipp Kolts, 38 Luis E. Colunga-Lozano, 39 Razan Mansour, 30 Gian Paolo Morgano, 3 Rami Z. Morsi, 31 Giovanna Muti-Schünemann, 3 Atefeh Noon, 3 Binu A. Philip, 3 Thomas Piggott, Yuan Oku, 25 Yetiani Roldan, 3 Finn Schünemann, 33 Adrienne Stevens,3 Karla Solo,3 Woitek Wiercioch,2 Reem A. Mustafa,3,34 and Holger J. Schünemann,3,35

Physical distancing, face masks, and eye protection to prevent person-to-person transmission of SARS-CoV-2 and COVID-19: a systematic review and meta-analysis





Dezek K.Chu, Ehr A.Akl, Stephanir Duda, Karla Solo, Sally Yuscoub; Holger J Schönemann, on behalf of the COVID-19 Systematic Urgant Review Group Effort (SURGE) study outhors*



Original research

BMJ Global Health

Safe management of bodies of deceased persons with suspected or confirmed COVID-19: a rapid systematic review

Sally Yaacoub 0 1 Holger J Schünemann 23 Joanne Khabsa 0 1 Amena El-Harakeh, Assem M Khamis 0, Fatimah Chamseddine, Rayane El Khoury, Zahra Saad, Layal Hneiny, Carlos Cuello Garcia, Giovanna Elsa Ute Muti-Schünemann, 8 Antonio Bognanni, 7 Chen Chen, 9 Guang Chen, 10 Yuan Zhang, 7 Hong Zhao, 11 Pierre Abi Hanna, 12 Mark Loeb, 13 Thomas Piggott, Marge Reinap, Mesrine Rizk, Rosa Stalteri, Stephanie Duda, Karla Solo 0, Derek K Chu 0, Elie A Akl, 1,7,16 the COVID-19 Systematic Urgent Reviews Group Effort (SURGE) group

REVIEW

Annals of Internal Medicine

Ventilation Techniques and Risk for Transmission of Coronavirus Disease, Including COVID-19

A Living Systematic Review of Multiple Streams of Evidence

Holger J. Schünemann, MD, PhD, MSc; Joanne Khabsa, MPH*; Karla Solo, MSc*; Assem M. Khamis, MD; Romina Brignardello-Petersen, DDM; Amena El-Harakeh, MPH; Andrea Darzi, MD, MPH; Anisa Hajizadeh, MPH; Antonio Bognanni, MD; Anna Bak, PharmD; Ariel Izcovich, MD; Carlos A. Cuello-Garcia, MD, PhD; Chen Chen, MM; Ewa Borowiack, MSc; Fatimah Chamseddine, MD; Finn Schünemann, MD; Gian Paolo Morgano, MSc; Giovanna E.U. Muti-Schünemann, Cand. Med; Guang Chen, MD, PhD; Hong Zhao, PhD; Ignacio Neumann, MD, PhD; Jan Brozek, MD; Joel Schmidt, MD; Layal Hneiny, MPH, MLIS; Leila Harrison, MPH; Marge Reinap, MA; Mats Junek, MD; Nancy Santesso, PhD, MLIS; Rayane El-Khoury, MPH; Rebecca Thomas, MPH, MBChB; Robby Nieuwlaat, PhD; Rosa Stalteri, BSHc; Sally Yaacoub, MPH; Tamara Lotfi, MD, MPH; Tejan Baldeh, MPH; Thomas Piggott, MD, MSc; Yuan Zhang, PhD, MSc; Zahra Saad, MSc; Bram Rochwerg, MD, MSc; Dan Perri, MD; Eddy Fan, MD; Florian Stehling, MD; Imad Bou Akl, MD; Mark Loeb, MD, MSc; Paul Garner, MD; Stephen Aston, MD; Waleed Alhazzani, MD, MSc; Wojciech Szczeklik, MD; Derek K. Chu, MD, PhD; and Elie A. Akl, MD, MPH, PhD



Journal of Clinical Epidemiology

Volume 156, April 2023, Pages 11-21

Many SR are not actually kept up to date

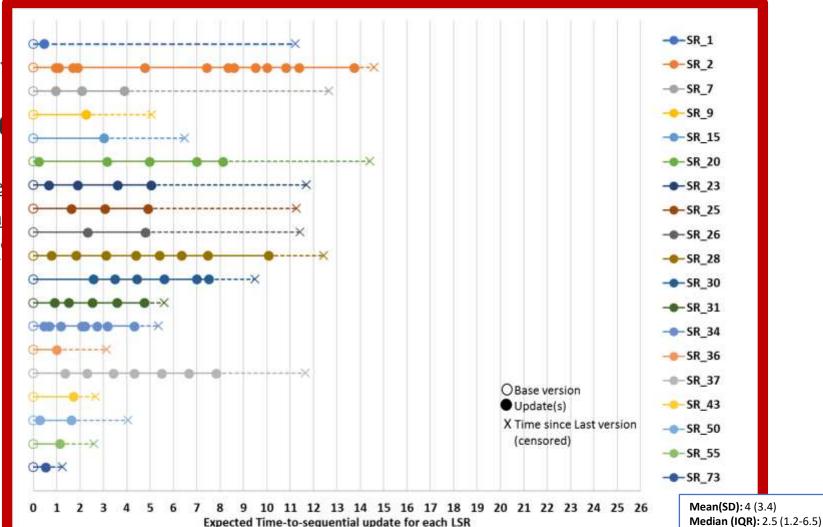
Range: 0.5 - 13.1

Review Article

The life and death of life a methodological surv

Elie A. Akl ^{a b} A Rayane El Khoury ^{c d}, Asse Hector Pardo-Hernandez ^{g h}, Sarah Farran ⁱ, Ra Holger J. Schunemann ^{b m n o p}, Lara A. Kahale ^c

76 eligible LSRs:
32 with ≥ 1 update
35 used GRADE
21 machine learning



Time axis with the unit of being the planned time of update for each LSR)



Updates and living process possible but ...

Certainly, not when new evidence becomes available

There is loads of "not so good" evidence or evidence that is not consequential

Updated way of thinking about "living"

- 1. Living recommendation: a recommendation that is kept current by an optimized guideline-updating process that accounts for potentially consequential evidence as soon as or shortly after it becomes available.
- 2. Living guideline: a guideline that includes 1 or more related recommendations that are kept current by an optimized guideline-updating process that accounts for **potentially consequential evidence as soon as or shortly after it becomes available**. In a living guideline, the unit of update is the individual recommendation and not necessarily the whole guideline.

Annals of Internal Medicine RESEARCH AND REPORTING METHODS

A Framework for the Development of Living Practice Guidelines in Health Care

Annals of Internal Medicine RESEARCH AND REPORTING METHODS

A Framework for the Development of Living Practice Guidelines in Health Care

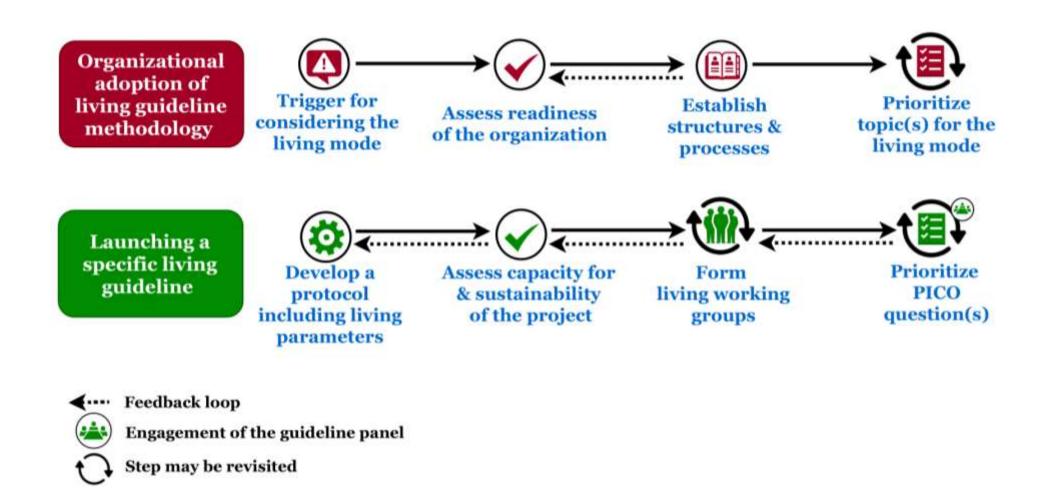
Ibrahim K. El Mikati, MD*; Joanne Khabsa, BS Pharm, MPH*; Tarek Harb, MD; Mohamed Khamis, MD; Arnav Agarwal, BHSc, MD; Hector Pardo-Hernandez, BA, MPH, PhD; Sarah Farran, MD; Assem M. Khamis, MD, MPH; Ola El Zein, PhD; Rayane El-Khoury, MPH; Holger J. Schünemann, MD, MSc, PhD; Elie A. Akl, MD, MPH, PhD; and the Living Guidelines Group†

Modelled on the GIN-McMaster checklist for guideline development — used for the ISO certified guideline training & certification program INGUIDE

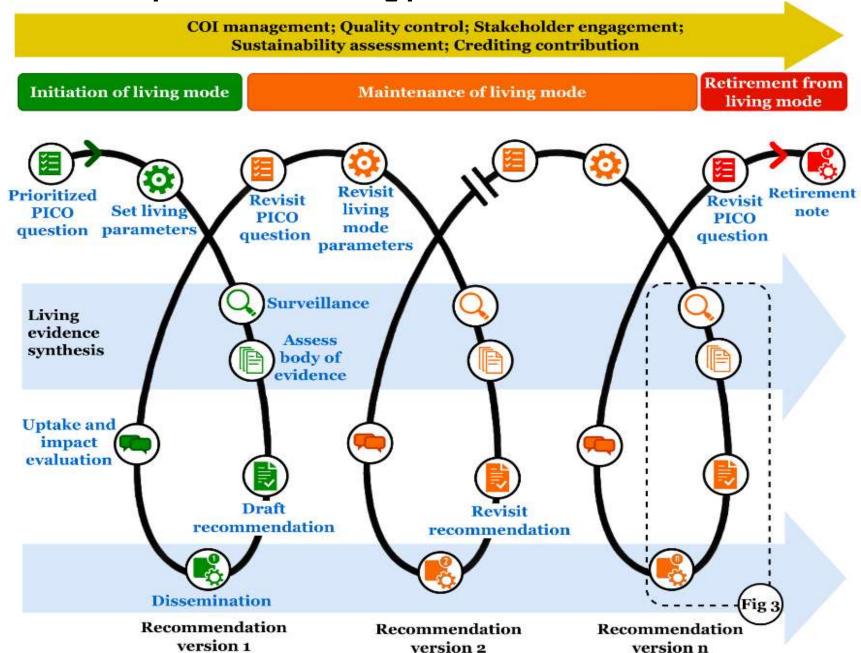




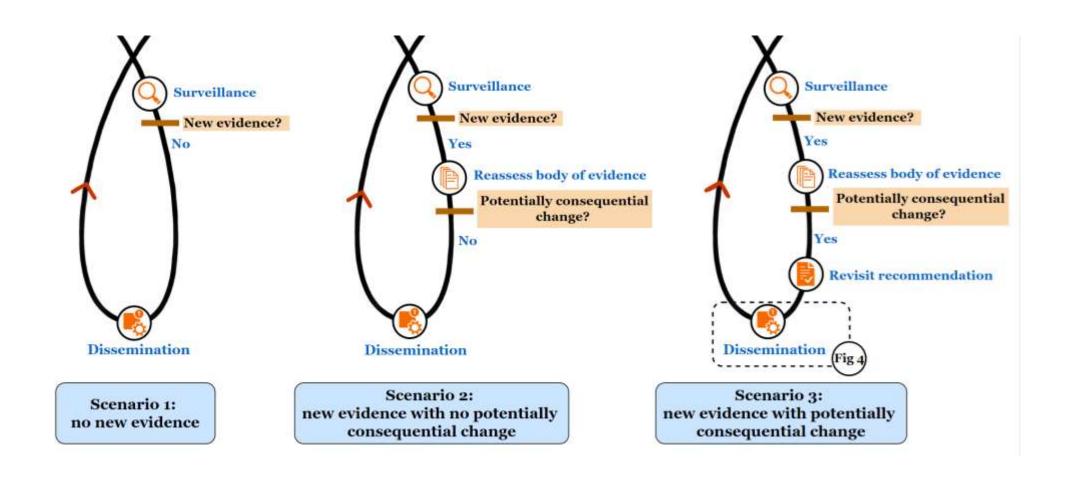
Organizational planning process for living practice guidelines



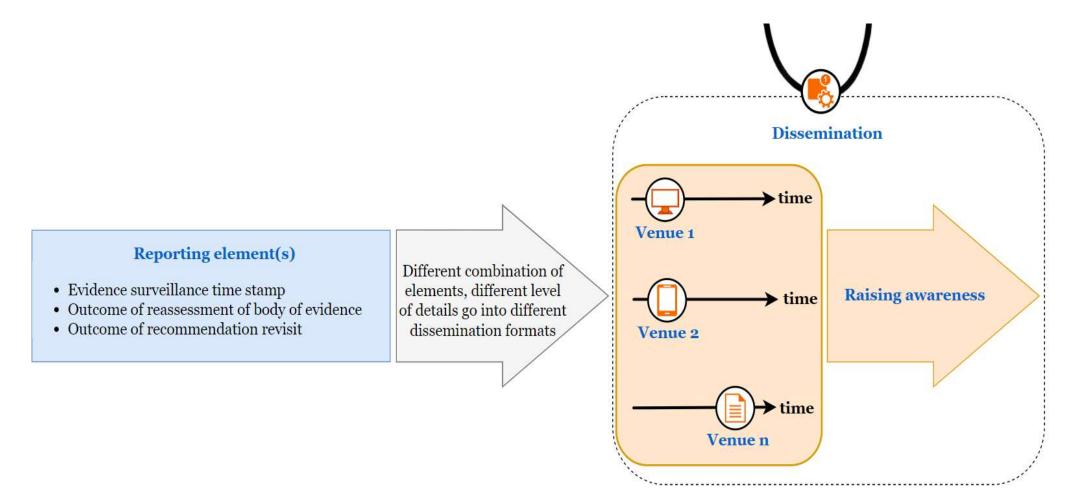
Production process for a living practice recommendation



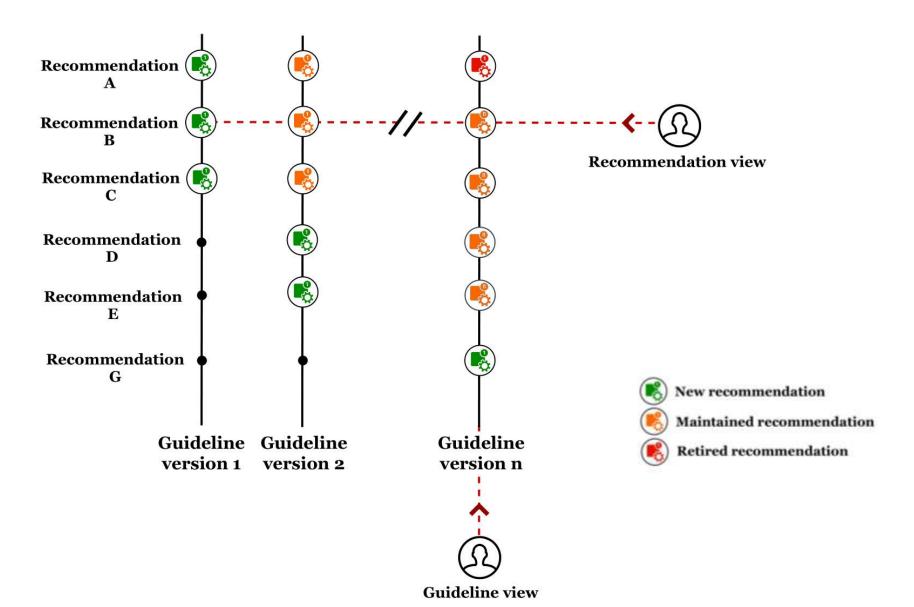
Three possible scenarios for the maintenance phase



Reporting and dissemination processes



Versioning and accessibility



Example of reporting living recommendation development

In population X, intervention Y is recommended over intervention Z. (conditional recommendation, moderate certainty of evidence)

- Evidence surveillance current to: November 7, 2021;
- Outcome of recommendation revisit: Modified/Unmodified;
- Whether this version is the latest;
- Link to latest version (if applicable).

PRISMA coming

But there is a much bigger problem...

Many organizations produce guidelines or some organizations produce many guideline (recommendations)

Living recommendation maps

- Provide decision-makers and other stakeholders (including the public) with:
 - an easy-to-navigate
 - living
 - freely accessible
 - digital platform
 - that includes all available trustworthy COVID-19 recommendations and allows for easy contextualization
- Developed for WHO global tuberculosis recommendations

JID. JCE [mNS;April 2, 2021;16:7]



Journal of Clinical Epidemiology

Journal of Clinical Epidemiology xxx (xxxx) xxx

ORIGINAL ARTICLE

Recommendation mapping of the World Health Organization's guidelines on tuberculosis: A new approach to digitizing and presenting recommendations

Anisa Hajizadeh^a, Tamara Lotfi^{a,b}, Dennis Falzon^c, Dominik Mertz^{a,b,d}, Robby Nieuwlaat^{a,b}, Nebiat Gebreselassie^c, Ernesto Jaramillo^c, Alexei Korobitsyn^c, Matteo Zignol^c, Fuad Mirzayev^c, Nazir Ismail^c, Jan Brozek^{a,b,d}, Mark Loeb^{a,b,d}, Thomas Piggott^a, Andrea Darzi^a, Qi Wang^a, Al Subhi Mahmood^a, Praveen Saroey^a, Micayla Matthews^a, Finn Schünemann^e, Bart Dietl^f, Artur Nowak^f, Kuba Kulesza^f, Giovanna E.U. Muti-Schünemann^a, Antonio Bognanni^a, Rana Charide^g, Elie A. Akl^g, Tereza Kasaeva^c, Holger J. Schünemann^{a,b,d,*}



https://who.tuberculosis.recmap.org

World Health Organization

WHO eTB Guidelines

A database of WHO recommendations for TB prevention and care

Search in recommendations







Trial to learn how if recommendation mapping is a good idea...

https://doi.org/10.1371/journal.pgph.0001166 October 14, 2022

1/12

PLOS GLOBAL PUBLIC HEALTH



RESEARCH ARTICLE

Comparing the usability of the World Health Organization's conventional tuberculosis guidelines to the eTB recommendations map: A two-arm superiority randomised controlled trial



Micayla Matthews 1,2, Tamara Lotfi 1,2, Nancy Santesso 1,2, Mark Loeb 1,2, Dominik Mertz 1,3, Zain Chagla 1,3, Anisa Hajizadeh 1,4, Thomas Piggott 1, Bart Dietl 5, Holger J. Schünemann 1,2,6*

1 McMaster University Department of Health Research Methods, Evidence and Impact, Hamilton, Ontario, Canada, 2 McMaster University Michael G. DeGroote Cochrane Canada and GRADE Centre, Hamilton, Ontario, Canada, 3 Department of Medicine, McMaster University, Hamilton, Ontario, Canada, 4 Department of Primary Care, Oxford University, Oxford, United Kingdom, 5 Evidence Prime Incorporated, Hamilton, Ontario, Canada, 6 Department of Biomedical Sciences, Humanitas University, Milano, Italy

^{*} schuneh@mcmaster.ca

Table 3. Overall accessibility of information [mean (SD)].

	WHO eTB ^a (n = 122)	WHO TB ^a (n = 122)	MD (95% CI) ^b p value
Overall Accessibility ^c	5.6 (1.0)	4.7 (1.5)	0.9 (0.6, 1.2) < 0.001
It was easy to find the information	5.6 (1.1)	4.4 (1.9)	1.1 (0.7, 1.5) < 0.001
This website was easy to navigate	5.6 (1.2)	4.3 (1.8)	1.3 (0.9, 1.7) < 0.001
It was easy to understand the information	5.6 (1.0)	5.0 (1.6)	0.6 (0.3, 0.9) 0.001
The information was presented in a way that would help me make a decision	5.7 (1.0)	5.0 (1.5)	0.7 (0.3, 1.0) < 0.001

Abbreviations: SD, standard deviation; WHO, World Health Organization; TB, tuberculosis; MD, mean difference; CI, confidence interval.

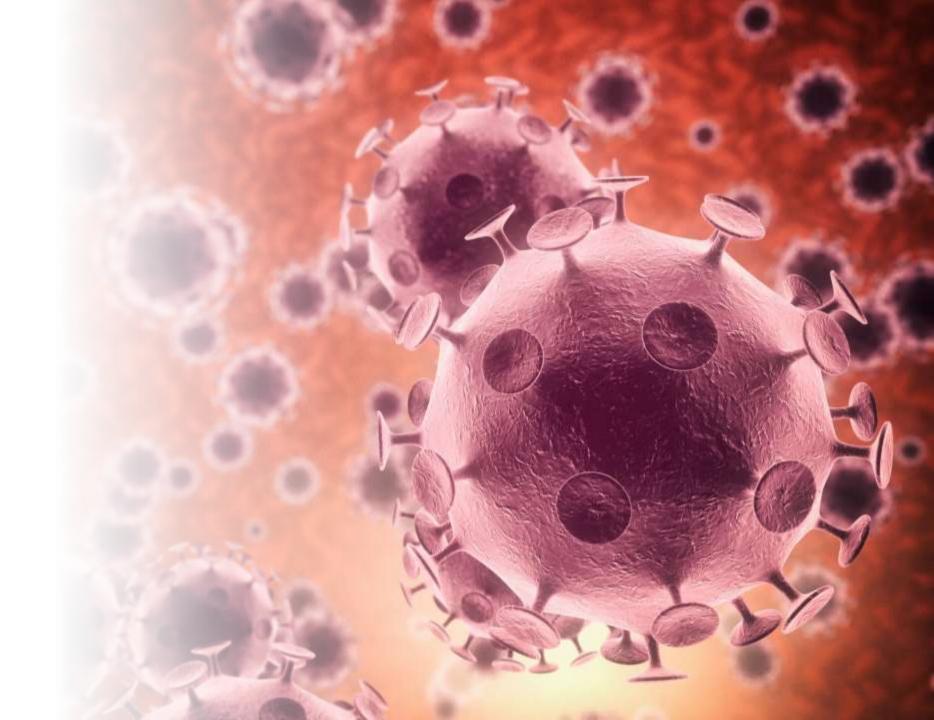
https://doi.org/10.1371/journal.pgph.0001166.t003

^a Likert-scale from 1 = strongly disagree to 7 = strongly agree.

^b Equal variances could not be assumed using Levene's test, degrees of freedom adjusted.

^c Composite of four domains (primary outcome).

Then came ...



Living map of guideline recommendations on COVID19 (covid19.recmap.org)



Share your feedback!

Recommendations map Recommendations List EN ▼







COVID19 Recommendations

Enter the keyword to search in recommendations

Q

Search Instructions





Would you like to learn more about a specific population and/or intervention? You can easily find topics that interest you using our RecMap.

Recommendations map



Explore all available COVID-19 guidelines on the eCOVID19 RecMap platform. You can filter and narrow down your search results using the search bar.

Recommendations



Looking for COVID-19 recommendations that are easy to understand? Click here to access a selection of our plain language recommendations.

Plain Language Recommendations







COVID19 Recommendations





Quality appraisal



On this page you can find

Infection prevention and control in the context of coronavirus disease (COVID-19): a living guideline, 25 April 2022: updated chapter: mask use, part 1: health care settings

Source: World Health Organization (WHO)

Intent: Infection control

In settings where there is community or cluster transmission of SARS-CoV-2, irrespective of vaccination status or history of prior infection, wearing a well-fitting mask that covers the nose and mouth is recommended for the general public when interacting with individuals who are not members of their household.

Certainty of evidence

Recommendation strength



AGREE II score

Scope and purpose: 75%
Rigor of development: 64.6%
Editorial Independence: 50%

Request for adolopment





Extraction



ovid19 Extraction VICE - CC	OIVD19 rap	id guideline	: Interstitial lung disease - Joanne/Elizabeth	Help 💠
General information				
Link to the source document	https://w	ww.nice.org		
ISBN (International Standard Book Number)	Not Repo			
DOI (Digital Object Identifier)	Not Repo	orted		
PMID (PubMed Identifier)	Not Repo			
Were guideline group details provided?				
Declaration of interest	○ YES	● NO	In case of "NO COI" reported, classify as "YES".	
Described as rapid	YES	O NO		
Described as living	YES	ONO		
Did the search include non- English databases? (e.g., Chinese, others)	○ YES	NO	○ Not Reported	
Latest date of literature search	☐ Not rep	orted dd-	mm-yyyy 🖸	
Method of grading evidence	not gra	ded (GRADE Other method	



List view



Recommendation

See more

In settings where there is community or cluster transmission of SARS-CoV-2, irrespective of vaccination status or history of prior infection, wearing a well-fitting mask that covers the nose and mouth is recommended for the general public when interacting with individuals who are not members of their household.

Certainty of evidence

⊕⊕⊕ Moderate

Recommendation strength



strong



Good Practice Statement

See more

Commercial vehicle operators who are federally regulated for Occupational Health and Safety should ensure that their Hazard Prevention Program is current to address the hazards of COVID-19 in their workplaces, including in truck cabs.



Good Practice Statement

See more

Commercial vehicle drivers should be aware of the public health requirements and advice of the areas they are in and should follow local public health advice (e.g., travel restrictions, wearing of non-medical masks in various settings).

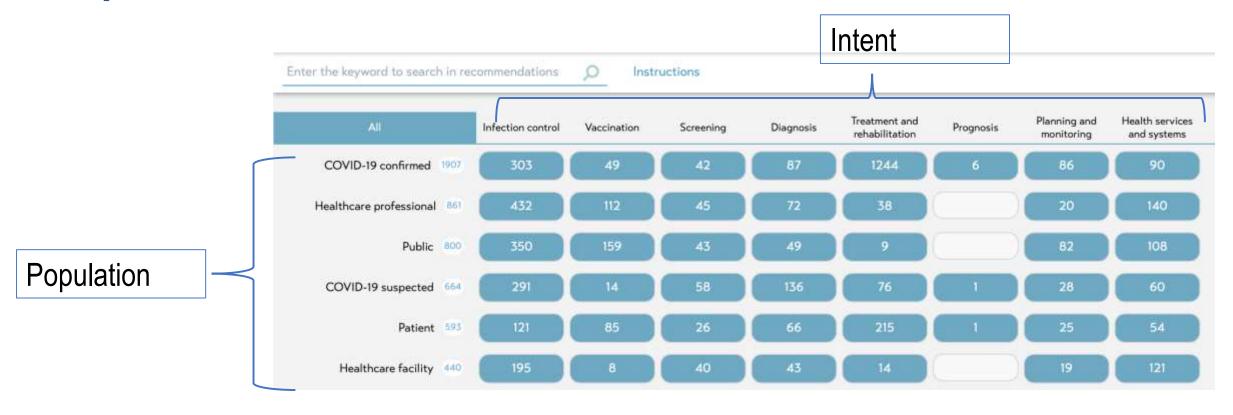


Additional Guidance

See more

The network of SARS-CoV-2 testing facilities should leverage and build on existing capacities and capabilities, be able to integrate new diagnostic technologies and adapt capacity according to the epidemiological situation, available resources and country specific context.

Map view



Filters

Enter the keyword to search in re-	commendations	<u>O</u> Instr	uctions				FILTERS	
All	Infection control	Vaccination	Screening	Diagnosis	Treatment and rehabilitation	Prognosis	Planning and monitoring	Source
COVID-19 confirmed 1907	303	49	42	87	1244	6	86	Publication Year
Healthcare professional 861	432	112	45	72	38		20	Adolopment
Public 800	350	159	43	49	9		82	•
COVID-19 suspected 664	291	14	58	136	76	1	28	AGREE II score
Patient 593	121	85	26	66	215	1	25	World region
Healthcare facility 440	195	8	40	43	14		19	A = 2 = 2 = 2
Healthcare services 427	132	51	20	63	22		10	Age group

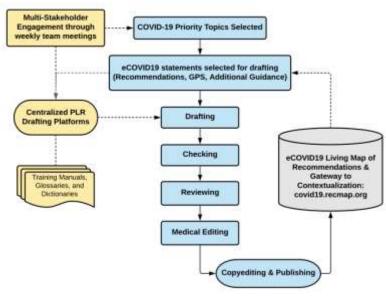
Linkage between living platforms

Population/Health problem	Patients with COVID-19	
Intervention	Interferon β-1a plus lopinavir-ritonavir	
Links to WHO Model List of Essential Medicines	Lopinavir + ritonavir	EML
URL to evidence table	https://app.magicapp.org/#/guideline/L4Q5An/section/j9WARn	
URL to L∙OVE portal	URL to L-OVE portal	L≑VE

Plain language recommendations



PLRs are easy-to-read summaries of up-to-date, published, and quality-checked recommendations from guideline organizations.



PLRs go through a multistakeholder process before it is published on the eCOVID19 RecMap. Hope to avoid this in the future by creating them in the first place

Living gateway to contextualization of recs

- Request access to Adolopment module
- Contribute back to map
- Others benefit from your decisionmaking
- Labelled as 'adoloped' on map





Adole	opment ①
	for this recommendation in GRADEpro software. By submitting the request, you oject, in particular setting a GRADEpro project and creating your guideline
You can learn more about the adolopment process in our knowledgebase.	
Full name	Email address
Additional information about your guideline team (organization, number	of team members etc.)
Your data will be used to allow us to perform the services you require. I accept Privacy Policy	
	Send request for adolopment

Getting trustworthy guidelines into the hands of decision-makers and supporting their consideration of contextual factors for implementation globally: recommendation mapping of COVID-19 guidelines

Tamara Lotfi * Adrienne Stevens * Elie A. Akl * ... Joseph L. Mathew * Holger J. Schünernannon behalf of the eCOVID Collaborators * Show all authors * Show footnotes

Published: April 06, 2021 DOI: https://doi.org/16.10Pb/pdki/Metal021.03.034



Comment

BIGG, the international database of GRADE Guidelines

Marcela Torres," Martin Ragusa, Veronica Abdala, Eva Brocard, Holger Schunemann, Bode, F Sebastian Garcia-Saisa, and Ludovic Reveiz, 44



^bDepartment of Health Research Methods, Evidence and Impact, McMaster University, 1280 Main St West, Hamilton, ON, L8S 4L8. Canada.

Health and equity have a central place in the 2030 Agenda for Sustainable Development that was adopted by all United Nations Member States. Implementation of evidence-based practice (EBP) principles has resulted in major advances in improving the quality of delivered health care. One of the EBP instruments are evidence-based trustworthy guidelines. The Pan American Health Organization (PAHO), the World Health Organization (WHO) and

indexed and hard to find which threatens the extent evidence is used.

Several scientific repositories such as Health Systems Evidence, Epistemonikos or Trip database are available for those interested in public health or clinical practice, BIGG⁴ from the acronym in Spanish "International Database of Grade Guidelines", includes a comprehensive list of worldwide guidelines developed with the GRADE system and classified accordingly to the Sustainable Development Goal





Journal of Clinical Epidemiology

Journal of Clinical Epidemiology 159 (2023) 257-265

OTHER GRADE PAPERS

The BIGG-REC database makes available all WHO/PAHO evidence informed recommendations

Martín Ragusa^a, Fernando Tortosa^a, Gabriel Rada^b, Camilo Vergara^b, Leslie Zaragoza^a, Jenee Farrell^a, Marcela Torres^a, Veronica Abdala^a, Ariel Izcovich^a, Michelle Haby^a, Holger J. Schunemann^{c,d,e,f,g}, Sebastian Garcia-Saiso^a, Ludovic Reveiz^{a,*}

The Lancet Regional Health - Americas 2022;6: 100099 Published online 30 November 2021 https://doi.org/10.1016/). lana.2021.100099

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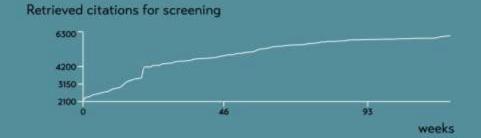
Institute for Evidence in Medicine, Medical Center & Faculty of Medicine, University of Freiburg, Freiburg, Germany



Search in BIGG-REC



Our Project in Numbers





10 new since Oct 16, 2023





759 Guidelines

6 new since Oct 16, 2023

Recommendations extracted on platform



10361 Recommendations

97 new since Oct 16, 2023



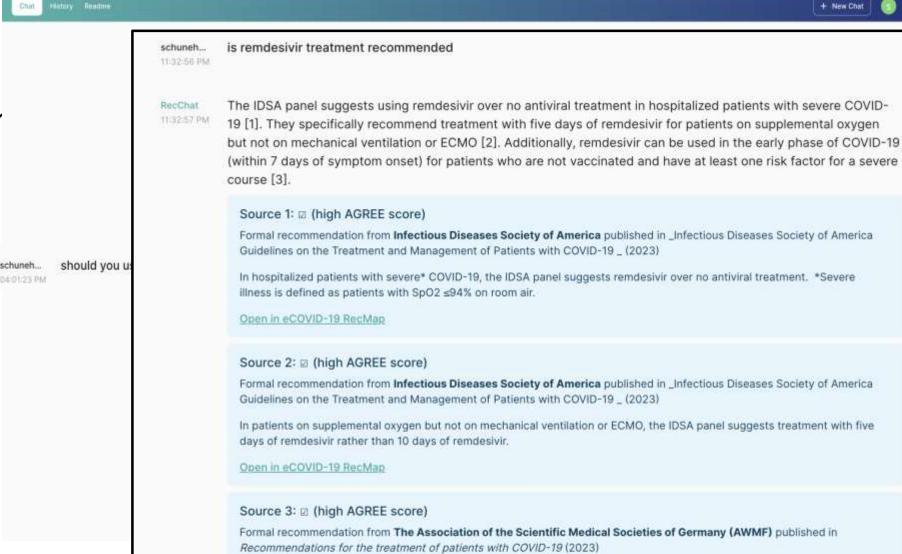
But many of low credibility (2)

AGREE II score for quality of guidelines (N=1574)							
	Scope & Purpose	Rigour of development	Editorial Independence	Stakeholder involvement	Clarity of presentation	Applicability	
Mean	66.6%	12.4%	22.1%	34.6%	59.9%	18.4%	

RecChat

Al supported identification and summaries of guidelines recommendations

- Filter for credibility
- Based on RecMaps: chat.recmap.org
- In testing butpronto very soon

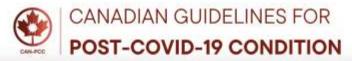


vaccinated and have at least one risk factor for a severe course.

Open in eCOVID-19 RecMap

Remdesivir can be used in the early phase (≤7 days after the onset of symptoms) in patients with COVID-19 who are not





English ~ Home **About Us** News Resources Cochrane Canada and the McMaster GRADE Centre are scientifically and financially supported by the Public Health Agency of Canada (PHAC), to provide easily accessible and high-quality guidelines on PCC. Learn More

Canadian Guidelines on Post-COVID-19 Condition

The McMaster University team, with financial and scientific support from the Public Health Agency of Canada (PHAC), will develop six evidence-based guidelines on post-COVID-19 condition using rigorous scientific methods.

Our goal is to use the best available evidence to provide clinicians, decision-makers, policymakers, and the public in Canada with detailed guidance to make informed health decisions about post-COVID-19 condition (PCC). We intend to prioritize topics that are most important to these audiences through a careful and inclusive process, while also considering the needs of equity-deserving groups.

Summary

- Living guidelines what they are and aren't
 - Definitions help with understanding what they are
 - Change over time
 - Consequential evidence
 - Learnings along the way
- Better approaches to cataloguing in a live fashion and allowing for adaptation \rightarrow RecMaps: Tb, eCOVID, BiggRec
- A taste of RecChat











