INTRODUCTION

لتعريق

Clinical practice guidelines are recommendations for optimizing patient care that are developed by systematically reviewing the evidence and assessing the benefits and harms of health care interventions.

- ☐ These interventions may include not only medications but other types of therapy, such as radiation, surgery, and physical therapy.
- ☐ Clinical practice guidelines are developed by a variety of groups and organizations including federal and state government, professional associations, managed care organizations, third-party payers, quality assurance organizations, and utilization review groups.

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* clinical practice guidelines %-
    هيه عباره عن (recommendation) نو صيات ، هاي النوصيات حتى احتا
   ن و المار الي باعون (Patient care ) ما غنون الفوائعد و المحنار الي باعون
                  (health care interventions) — العجة منه الــــ (health care interventions)
(Just include medications) کایا (interventions) کایداک (Just include medications)
                       ب مای (other types of therapy) نود انها نکون (other types of therapy) مینا
   · Yadiation
   · Physical therapy
                               قيم (clinical practice guidelines) الد
     عن طریق (aroups) او (organizations) کی بمعنی آخر الی بده یکتب
   (are developed)
optimizing patient) del iso (health care interventions) Li care
                        Federal
                      , state government
                  · professional associations
              · managed care organizations
                 . third party payers
               . (quality assurance) organizations
                   . (utilization review)
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INTRODUCTION

- Clinical practice guidelines should be developed using rigorous evidence-based methodology with the strength of evidence for each guideline explicitly stated.
- ☐ Clinical practice guidelines should be feasible, measurable, and achievable.
- ☐ Clinical practice guidelines, from which quality performance measures will be developed, should be reviewed by representatives of the pharmacist they will impact.

(rigorous evidence-based methodology) الم بورو المعدور المعدور (rigorous evidence-based methodology)

(evidence) ماعال (quidelines) عون بتعتمدعلى (evidence) وايكون هذااله (evidence) قوي .

(Some health care intervention)

هاي الـ (intervention) لازم تكون الها صر جع دوا لدزم يكون هذا المر جع هوه صر جع قوي بيعتمد على (strength of evidence is very important for each guideling)

(accessible) igt (clinical practice guideline) I pilge (fo patient or for any health care professional)

(clinical practice guideline) Il que mul comu o mu mai us jue en come son la la mul comu o mul comu el circu en comu el circu el

(Yecommendations) اوال (Auideline) اواله عبال (should be reviewed by representatives of the Pharmacist)

- Clinical performance measures may be developed from clinical practice guidelines and used in quality improvement initiatives. When these performance measures are incorporated into public reporting, accountability, or pay for performance programs, the strength of evidence and magnitude of benefit should be sufficient to justify the burden of implementation.
- In the clinical setting, implementation of clinical practice guidelines should be prioritized to those that have the strongest supporting evidence, and the most impact on patient population morbidity and mortality.

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ع عن طريق
           (Developed of clinical practice guidelines)
               (we can Developed clinical Performance measures)
                (representatives) الجو هدول الـ (groups) او هدول الـ (representatives)
           will (reviegen) glasty (guidelines) lingers
(Performance) II (measures) does les les dans de les les dans de les les dans de les les dans de les les de les des les des les de les 
تبع هذا الـ (guidelines) / انه الناس الي طبقوا هاي الـ (guideline)
                                                                                الهيمسين يعلم ( measuring) مهللمون ندهم فيح
          (clinical performance measures)
                                                                                                                                                                                        ع انه هل همة استفادوا ؟
                                                                                                                                        ع انا فلت (harms or risk) انا فات د
(cost int (recommendation) 1191 (quidelines) light de qui effectivness)
```

الممسوحة ضوئيا بـ CamScanner

- Research should be conducted on how to effectively implement clinical practice guidelines, and the impact of their use as quality measures.
- □ Clinical practice guidelines, from which quality performance measures have been developed, should be updated as new evidence is available, and the producers of the performance measures should be notified of the work in progress.

(intervention) 11 sla 21 (clinical practice guideline) ے انہ مل مای ? (high quality) - & see 21) (recommendation) اوهای ال انع هاى ال (high quaity) , is used to (strength evidence) انه على الناس الي راح يطبقوه مع (as performance) منه عليه عنه الناس الي راح يطبقوه ب بنالي لانه الـ (evidence) is , state lation (e vidence over time) (clinical practice) — المعنان هیاع حتی ال الله عنان هیاع حتی ال (should be updated) (recommendation) luclogi (quideline) li * (for optimizing patient care) بیکتپوها ناس مختصین وابراجهوها ناس مختصین وابیعملولها (updated)ناس . ترجه بالاعتماد على الله المعرف الله على الله

ع ال (groups) او المختصين الي بيكتبوا هاي الـ (guideline) عمه بيختلفوا بـ

- The purpose of guidelines
- 2 Methods used to develop guidelines
- Format of the document
 - Strategy for implementation

Vary

Evidence-based medicine (EBM) and Clinical Practice Guidelines

Evidence-based medicine (EBM) is a philosophy of practice and an approach to decision making in the clinical care of patients that involves making individual patient care decisions based on the best currently available evidence.

قر لعيه الله (EBW) الم النا ج

- Why Does EBM Matter?
- Increases audience confidence in the value, objectivity, effectiveness of health core and reproducibility of the tests or procedures.
- 2. Increases transparency.
- 3. Provides a balanced approach. انه لا زم یعتمد علی (approach) و اصلح
- Protects patients from ineffective or risky care.
- 5. Increases cost-effectiveness and value. of the health cave outcomes

الانتى الكون

TO BE TRUSTWORTHY, GUIDELINES SHOULD...

وط معيده الها عين

secondary of drug pathway of ent development

Be based on a systematic review of the existing evidence!

- Be developed by a knowledgeable, multidisciplinary panel of experts and representatives from key affected groups.
- Consider important patient subgroups and patient preferences as appropriate.
- Be based on an explicit and transparent process that minimizes distortions, biases, and conflicts of interest.

TO BE TRUSTWORTHY, GUIDELINES SHOULD...

بر صه لدیم سکون های الدر guidelines) :.

Provide a clear explanation of the logical relationships between alternative care options and health outcomes, and provide ratings of both the quality of evidence and the strength of recommendations.

Be reconsidered and revised as appropriate when important new evidence warrants modifications of recommendations.

(8 Standards) about (Specific evidence-based gas (IOM) Il gelles) (development) devidence) clinical practice guidelines) when when we will the contract when we will the contract of the contr

INSTITUTE OF MEDICINE (IOM)

The IOM proposed 8 standards for developing evidence-based clinical practice guidelines.

- 1. Establishing transparency.
- 2. Managing conflict of interest.
- 3. Guideline development group composition.
- 4. Clinical practice guideline-systematic review intersection.
- 5. Establishing evidence foundations for and rating strength of recommendations.
- 6. Articulation (clear) of recommendations.
- 7. External review.
- 8. Updating.

1. ESTABLISHING TRANSPARENCY

The processes by which a clinical practice guideline (CPG) is developed and funded should be detailed explicitly (in a clear and detailed manner) and publicly accessible.

المستفلة الدساسية لل (healthcare intervention) لا أع التعلق الدساسية لل المستفلة الدساسية لل المستفلة الدساسية لل المستفلة المستفلة الدساسية لل المستفلة الدساسية لل المستفلة المستفلة

2. CONFLICT OF INTEREST (COI)

- is one important potential source of bias in the development of CPGs.
- A set of circumstances that creates a risk that professional judgment or actions regarding a primary interest will be unduly influenced by a secondary interest.
- A divergence between an individual's private interests and his or her professional obligations such that an independent observer might reasonably question whether the individual's professional actions or decisions are motivated by personal gain, such as financial, academic advancement, clinical revenue streams, or community standing.

(quideline) کا انه عنا بیتون متعا للقیر م زیا (COI) کی اور (COI) کی میاند (optimizing patient health care) لناموید

عندة عندة (guideline) بكون عندة المحتصالي بكتب هاي المحتصالي في المحتصالي عندة (secondary professional obligation)

انه هوه بده يقدم هاي الـ (health care intervention) تتيجة اسباب قد تكون هاي الد سباب ماي الد سب

A cademic Advancement (تدعمة اكاديميا)

(conflict of interest) الدسباب صارعدنا

ع يعنى هذا السخص الى كتب الـ (recommendation) هوه فعلياً ما كتبة من اجل انه يحسن من الـ (patient health care) و هوه كتبه لانه عندة السباب أخرى المناص (privateinterest) منه من الـ (privateinterest)

. (his orher professional obligations)

2. CONFLICT OF INTEREST (COI)

• Intellectual COI: academic activities that create the potential for an attachment to a specific point of view that could unduly affect an individual's judgment about a specific recommendation.

Community

EXPERTS WITH CONFLICTS

The most knowledgeable individuals regarding the subject matter addressed by a CPG are frequently conflicted.



These "experts" often possess unique insight into guideline relevant content domains.



They may be aware of relevant information about study design and conduct that is not easily identified.

الى عندهم (conflict of) الى بكونو عندهم (conflict of) همه اكثر الانشخاص الموات عند هم اكبر الاستخاص الى عندهم اكبر وعلومات عن الى عندهم اكبر وعلومات عن الد (studydesign) ، حتى همه بكون عندهم وعلومات عن الـ (studydesign) ، حتى همه بكون عندهم وعلومات عن الـ (quideline)

مای المعلومات مش ای حد ا بیقد ریعرفها

← هدول ال (experts) عندهم (unique insight into guideline relevant content domains)

المامو بيعرفوا هذااله (quideline) بيقدرو يعملوا (Conflicted of interest) بالدعتماد على مصالحهم المتخصية.

*Strategies for Managing COI: 2-

- 1. Simple disclosure (a person's financial interests).
- 2. Exclude from leadership roles.
- 37 Participation in certain restricted recommendations.
- 4) Formal or informal consultation.
- 5 Fully exclude conflicted members from panel participation.

Managing conflict of interest:

A. Prior to selection of the Guideline Development Group (GDG), individuals being considered for membership should declare all interests and activities potentially resulting in COI with development group activity, by written disclosure to those convening the GDG.

و میں نکون سبہ (conflict of) سکن یکون سبہ فرال (conflict of)

Disclosure should reflect all current and planned commercial (including services from which a clinician derives a substantial proportion of income), non-commercial, intellectual, institutional, and patient/public activities pertinent to the potential scope of the CPG.

Managing conflict of interest: (عين هاي الـ (COT) الدزم يـو صنح كيف هاي الـ (Member) الدزم يـو صنح كيف هاي الـ (Auideline Development) على التها تأثو على (Auideline Development) والدزم يعملولها (سو و الدزم يعملولها).

- All COI of each GDG member should be reported and discussed by the prospective development group prior to the onset of their work.
- Each panel member should explain how their COI could influence the CPG development process or specific recommendations.
- Each panel member will update any COI at each meeting of the GDG.
- COI conflicts will be reviewed and resolved by the GDG chair and staff. The resolution may involve having the panel member recuse themselves from relevant discussion and/or voting.

- Managing conflict of interest:
- C. Divestment
- possessions)) themselves of financial investments they or their family members have, and not participate in marketing activities or advisory boards of entities whose interests could be affected by CPG recommendations.

- Managing conflict of interest: (guideline) بده بكتب هاي الر(members) بده بكتب هاي الر (should not have COI) D. Exclusions
- > Whenever possible GDG members should not have COL
- In some circumstances, a GDG may not be able to perform its work without members who have COIs, such as relevant clinical specialists who receive a substantial portion of their incomes from services pertinent to the CPG.
- Members with COIs should not represent a majority of the GDG.
- The chair or co-chairs should not be a person(s) with COI.

(should be perform without having any members who) = (suideline) Il slog =

3. COMPOSITION OF GUIDELINE DEVELOPMENT GROUP (GDG)

should be should should

1. The GDG should be multidisciplinary and balanced, including methodological experts, clinicians, and populations expected to be affected.

(groups) JI Japes ichemal guideline) and coase indicated

2. Include (at least at the time of clinical question formulation and draft CPG review) a current or former patient and a patient advocate or patient/consumer organization representative.

e de como la (guideline) Julia

3. Adopt strategies to increase effective participation of patient and consumer representatives.

4. INTERSECTION OF CLINICAL PRACTICE GUIDELINE AND SYSTEMATIC REVIEW

- 1. Use systematic reviews (is a type of literature review that uses systematic methods to collect secondary data) that meet standards set by the institute of medicine's committee (e.g. IOM Committee) on Standards for Systematic Reviews.
 - 2. The GDG and systematic review team should interact.

STANDARDS FOR SYSTEMATIC REVIEWS

RIGOROUS recommendations for:

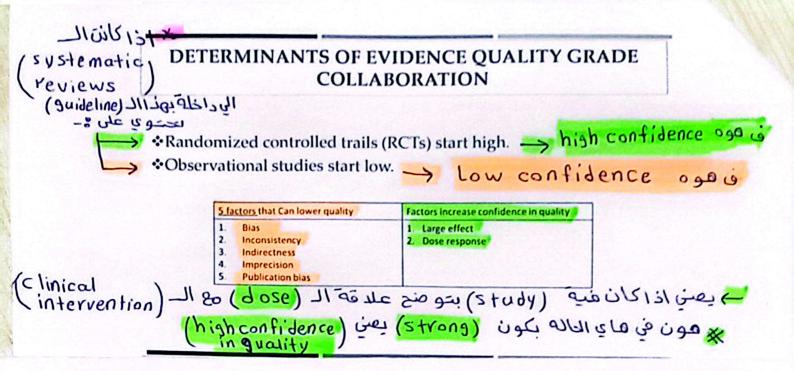
- 1. Initiating a systematic review.
- 2. Finding and assessing individual studies.
- 3. Synthesizing body of evidence Reporting.

5. ESTABLISHING EVIDENCE FOUNDATIONS AND RATING STRENGTH OF RECOMMENDATIONS

کل (wibeline) یجب ان بیتوی علی چے

For each recommendation provide:

- A summary of relevant available evidence, description of the quality, quantity, and consistency of the aggregate available evidence.
- 2. A clear description of potential benefits and harms.
- 3. An explanation of the part played by values, opinion, theory, and clinical experience in deriving the recommendation.
- 4. A description of any differences of opinion regarding the recommendation.
- 5. A rating of the level of confidence in the evidence.
- 6. A rating of the strength of the recommendation.



اذا انا عندي دراسة ، درسناها على اعداد كہيرة من الـ (Patient) كون وطلع انه الها (healthcare intervention) بكون (healthcare intervention) الها (high confidence)

اخطاء کن اذا بدھا بھتوں علی ہے۔ اخطاء معلومات غیر دقیقة مابین فرقیقة مابین (different study in systematic reviews)

GRADING OF THE STRENGTH OF THE RECOMMENDATION

If you understand GRADE you understand how to use evidence to inform practice.

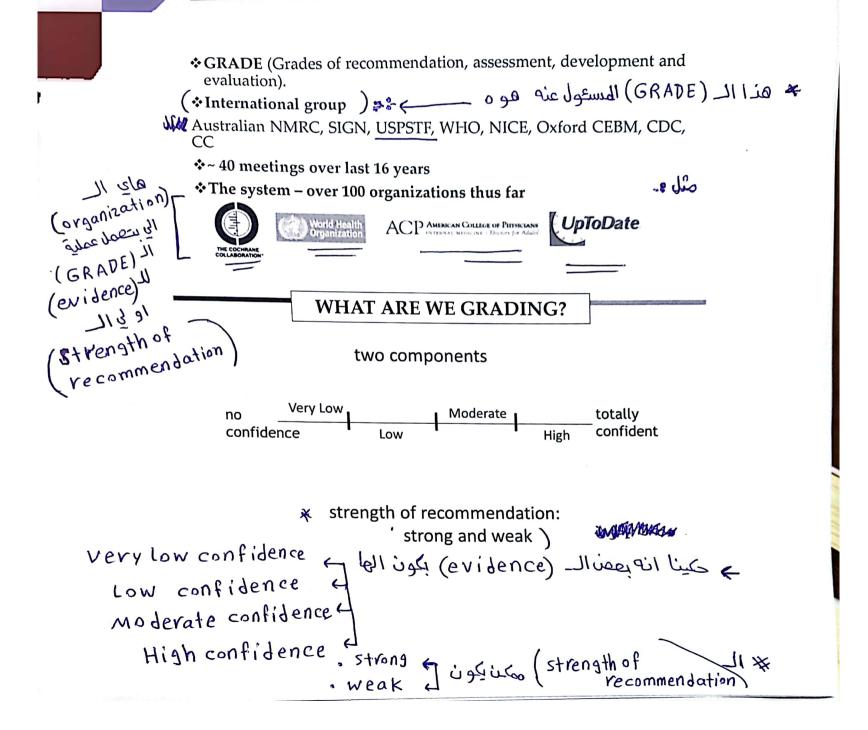


ADOPTED BY MORE THAN 90 ORGANIZATIONS

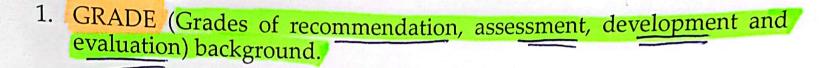


ا (Grading) اللمحتبريا (Organizations) الاله د (estimation to confidence) اوال (confidence) (evel

PROLIFERATION OF SYSTEMS COMMON INTERNATIONAL GRADING



PLAN



2. Two steps:

انه قدیش هذااله (evidence) انه قدیش هذااله (strong) Confidence in estimates (quality of evidence).

Strength of recommendation.

(GRADE)_JIE

(should include 3. Evidence profiles.)

يعم هذا الـ (recommendation) ا عوى (quality of evidence) de slates !

4. An exercise in applying GRADE. الله درسها السخص الي حط هاي الـ (عدوه الله درسها السخص الي حط هاي الـ (عدوه الله و الله على الـ (عدوه الله و الله على عدوالقدره و الله و الله على الـ (evidence) الي هوه السخدمة ولانم يكون عنده القدره الم الـ (evidence) (GRADE) JIUles

PROLIFERATION OF SYSTEMS **COMMON INTERNATIONAL GRADING**

GRADING RECOMMENDATION STRENGTH

TABLE 7-2. GRADE SYSTEM TO RATING CONFIDENCE IN EFFECT. 1. Establish Initial level of Confidence		2. Consider lowering or raising level of confidence		3. Final level at confidence in tage
Study design	Initial confidence in an estimate of effect	Reasons for considering lowering or raising confidence		Confidence in an exiting to of effect across those considerations
		1 Lower If	1 Higher If	The Article of the Carlot
Bankowines male	High cunfidence	Pisk of bias	Large effect	High
		-1 Serious	+1 Large	0000
		-2 Very serious	+2 Very large	Moderate
		Inconsistency	Dose response	() () () () () () () () () () () () () ()
		-1 Serious	+1 gradient found	Low
		-2 Very serious		D3 44
		Indirectness		Very low
		-1 Serious		D 200
		-2 Very serious		
Observational studies →	Low confidence	Imprecision		
		-1 Serious		
		-2 Very serious		
		Publication blas		

(Randomized trials) — low enfidence) la sie

(High confidence) la sie

(observational studies) — low enfidence) la sie

هد ته ۱۱ از عنی