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Czech national project „Clinical Practice Guidelines“ methodology and current results

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European JBI symposium of Evidence-Based Healthcare in Clinical Practice Guidelines, Decision making process and Evidence synthesis in the Czech Republic, Brno, 12th – 14th December 2018

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Disclosures

- > I have an affiliation with the following organisations that could be perceived as a direct or indirect conflict of interest in the context or content of this presentation.
 - Director of the Czech CEBHC Joanna Briggs Collaboration
 - Chair of European Joanna Briggs Collaboration
 - Director of Masaryk University GRADE centre
 - Director of Cochrane Czech Republic
 - Head methodologist of Czech national project for Clinical Practice Guidelines

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Clinical Practice guidelines

Yesterday... Today
... since nineteens

... Tomorrow
... till 21st century ...

> 2000 KDP



> 300 KDP



Overview of „CPG“ developed by Professional medical organizations in the CR

| | Years | | | | | | |
|--|--|--|--|--|---|---|---|
| | 2010 | 2011 | 2012 | 2014 | 2014 | 2016 | 2017 |
| Number of professional medical organizations | 111 | 112 | 112 | 120 | 122 | 123 | 123 |
| Total of CPGs | 901 | 980 | 1 058 | 1 333 | 1 314 | 1 886 | 1 909 |
| Most CPGs by organization | General Practitioners (367) Cardiology (81) No data for Oncology | General Practitioners (367) Cardiology (88) No data for Oncology | General Practitioners (372) Cardiology(108) Oncology (306) | General Practitioners (385) Cardiology(113) Oncology (307) | General Practitioners (407) Cardiology (113) Oncology (320) | General Practitioners (411) Cardiology (125) Oncology (340) | General Practitioners (430) Cardiology (128) Oncology (342) |

Centre for Clinical Practice Guidelines at Faculty of Medicine, Palacký University Olomouc

>Was established in 2011

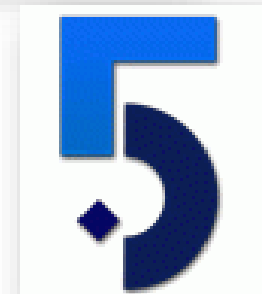
yesterday.....



Clinical Practice Guidelines



... Today



ABOUT US

NATIONAL METHODOLOGY
OF CPG DEVELOPMENT

CLINICAL PRACTICE
GUIDELINES (CPG)

CONFERENCE

EDUCATION
AND TRAINING

CPG FOR PATIENTS

SYNERGIC PROJECTS

CONTACTS

European JBI symposium of Evidence-Based Healthcare in Clinical Practice Guidelines, Decision making process and Evidence synthesis in the Czech Republic
12. 12. 2018

We cordially invite you to the *European JBI symposium of Evidence-Based Healthcare in Clinical Practice Guidelines, Decision making process and Evidence synthesis in the Czech Republic*, which will take place on 12–14 Dec 2018 in Brno, Czech Republic.

1st Czech-Slovak meeting – exchange of expert experiences
7. 9. 2018

The first workshop *Development of clinical guidelines to be accepted on the national level* was held on 7 September 2018 in Prague in the premises of the Czech Ministry of Health.

...Today

KDP [online]. Praha: ÚZIS ČR, 2018 [cit. 2018-12-11]. Available from: <https://kdp.uzis.cz>.

Yesterday ... Today ... Tomorrow





Czech National Centre for Evidence-Based Healthcare and Knowledge Translation

CEBHC | M U N I
KT | M E D

...Tomorrow

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CPGs development

A systematic approach!!!





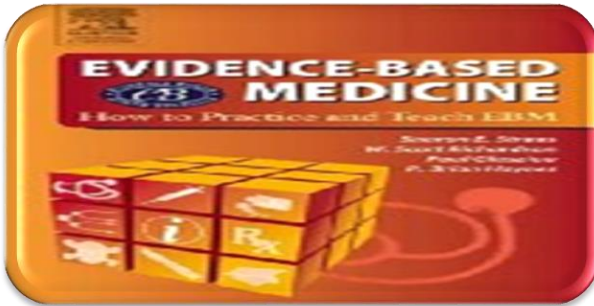
What methods can we use?



- *opinion-based guideline*



- *consensus-based guideline*



- *trustworthy evidence-based guideline*



EBHC Methods of guidelines development

method No1

- **development**
- full-process guideline

method No2

- **adoption**
- adapted guideline, derived guideline

method No3

- **adaptation**
- adapted guideline, derived guideline

method No4

- **adolopment**
combining adoption adaptation and development

National project Clinical Practice Guidelines in the Czech Republic



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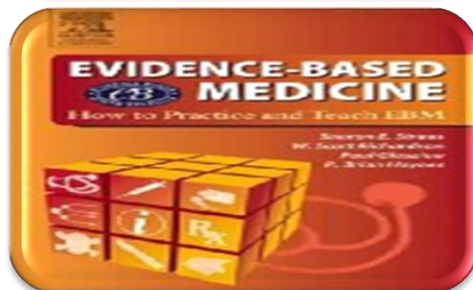
What methods are we using?



• *opinion-based guideline*



• *consensus-based guideline*



• *trustworthy evidence-based guideline*



To develop or to adapt?

method No1

- **development**
- full-process guideline

method No2

- **adoption**
- adapted guideline, derived guideline

method No3

- **adaptation**
- adapted guideline, derived guideline

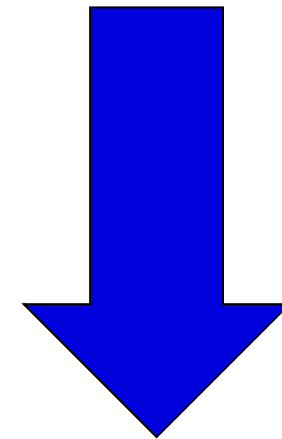
method No4

- **adolopment**
combining adoption adaptation and development

What methodology to use?

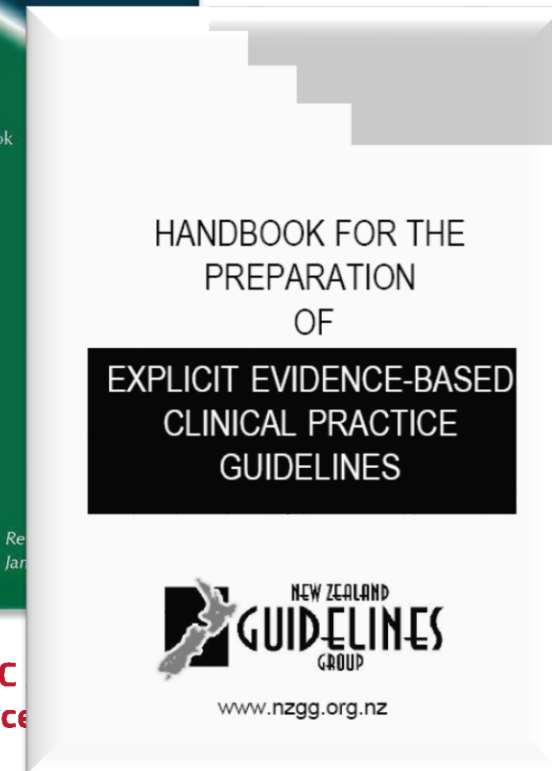
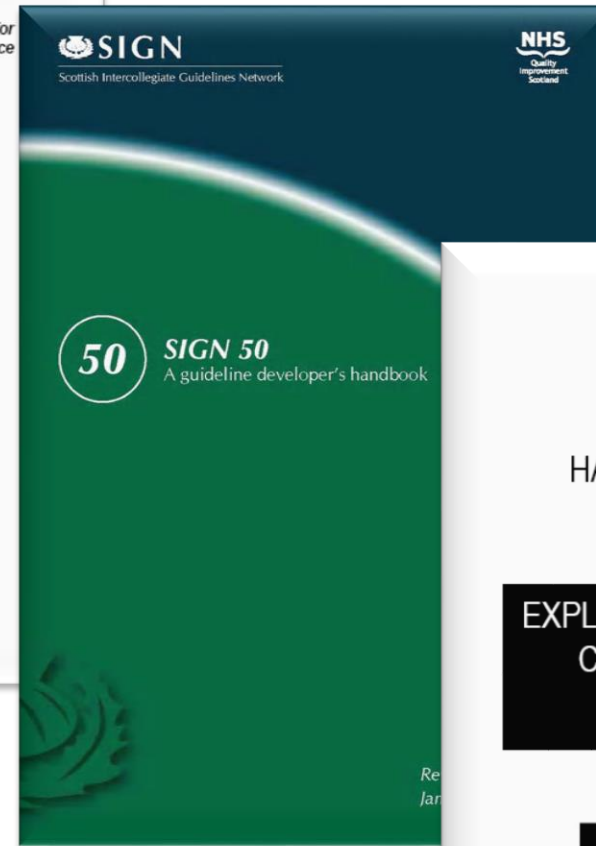
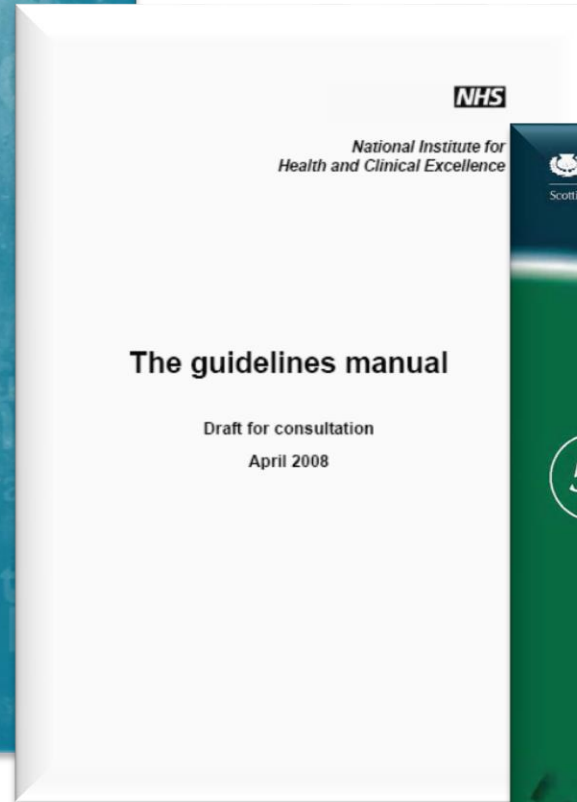
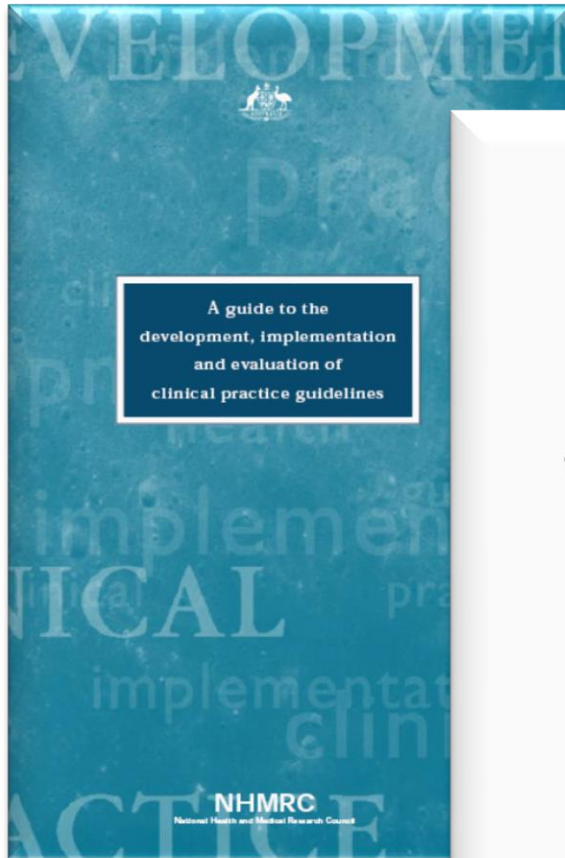


OR





How to develop CPGs?

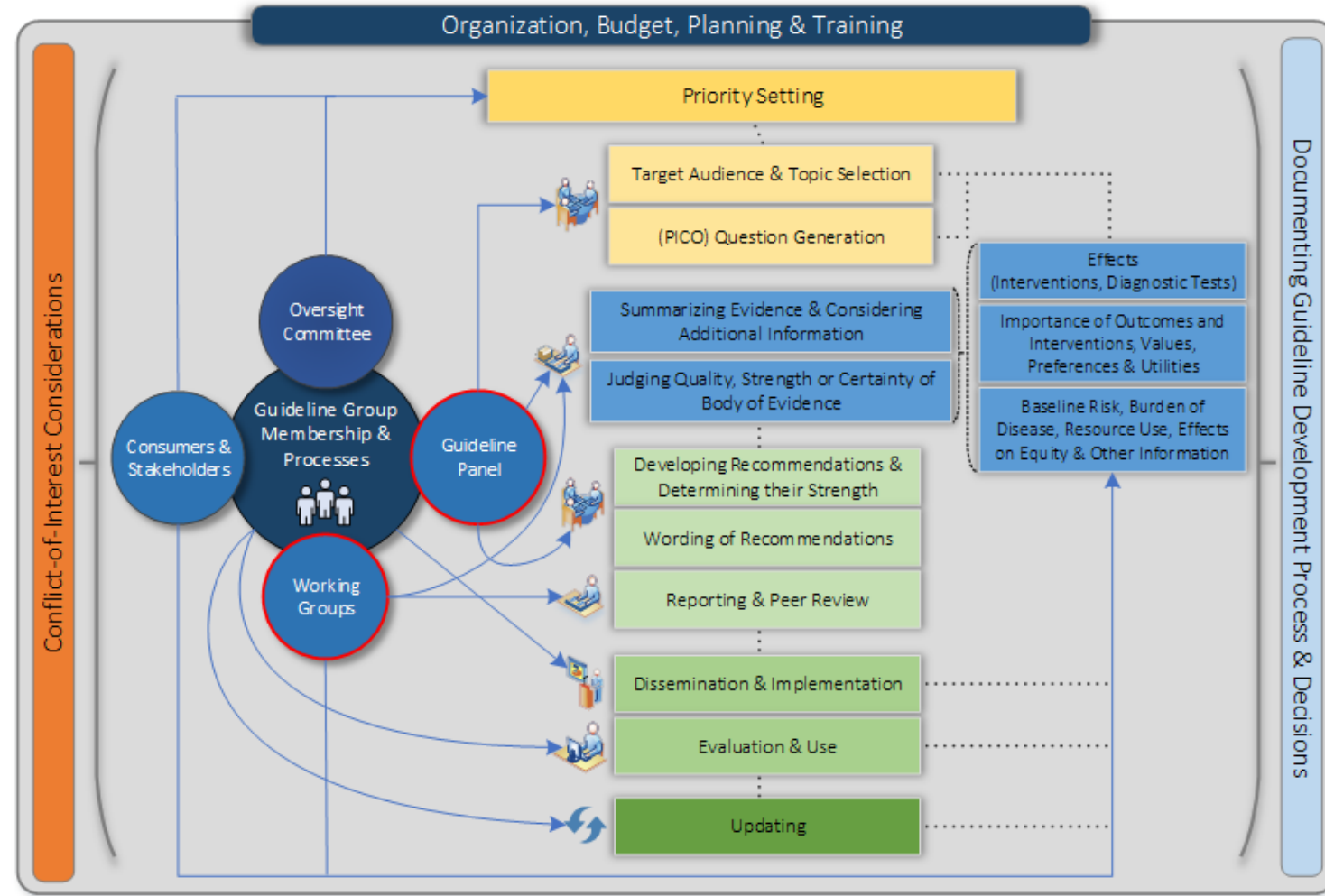


How to develop CPGs?



GIN McMaster Checklist

1. [Organization, Budget, Planning and Training](#)
2. [Priority Setting](#)
3. [Guideline Group Membership](#)
4. [Establishing Guideline Group Processes](#)
5. [Identifying Target Audience and Topic Selection](#)
6. [Consumer and Stakeholder Involvement](#)
7. [Conflict of Interest Considerations](#)
8. [\(PICO\) Question Generation](#)
9. [Considering Importance of Outcomes and Interventions, Values, Preferences and Utilities](#)
10. [Deciding what Evidence to Include and Searching for Evidence](#)
11. [Summarizing Evidence and Considering Additional Information](#)
12. [Judging Quality, Strength or Certainty of a Body of Evidence](#)
13. [Developing Recommendations and Determining their Strength](#)
14. [Wording of Recommendations and of Considerations of Implementation, Feasibility and Equity](#)
15. [Reporting and Peer Review](#)
16. [Dissemination and Implementation](#)
17. [Evaluation and Use](#)
18. [Updating](#)



**NÁSTROJ PRO KRITICKÉ
HODNOCENÍ DOPORUČENÝCH
POSTUPŮ**



AGREE II

INSTRUMENT

**THE AGREE NEXT STEPS CONSORTIUM
CENTRUM PRO KLINICKÉ DOPORUČENÉ
POSTUPY**

**LÉKAŘSKÁ FAKULTA UNIVERZITY PALACKÉHO V
OLOMOUCI**



**NÁSTROJ PRO KRITICKÉ
HODNOTENIE ODPORÚČANÝCH
POSTUPOV**



AGREE II

INSTRUMENT

**THE AGREE NEXT STEPS CONSORTIUM
CENTRUM PRE KLINICKÉ ODPORÚČANÉ
POSTUPY**

**LEKÁRSKA FAKULTA UNIVERZITY PALACKÉHO V
OLOMOUCI**



Czech National Methodology for CPG

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ÚZIS

 About us  **National methodology of CPG development** Clinical practice guidelines Conference and education  Photo gallery CPG for patients Synergic projects cs / en

National methodology of CPG development

Methodology of CPG proposals development

Open PDF file
(the text is only available in Czech language)

Methodological approaches for development and assessment of new CPGs

Open PDF file
(the text is only available in Czech language)

Appendices of Methodological approaches for development and assessment of new CPGs

Open PDF file
(the text is only available in Czech language)

KDP [online]. Praha: ÚZIS ČR, 2018 [cit. 2018-12-10]. Available from: <https://kdp.uzis.cz>.

Masaryk
GRA

Czech National Methodology for CPG

Souhrn a klasifikace kvality vědeckých důkazů dle přístupu a metodiky GRADE

Přístup GRADE (*The Grading of Recommendations Assessment, Development and Evaluation*) umožňuje třídít vědecké důkazy, zhodnotit jejich kvalitu a tvořit doporučení (Atkins et al., 2004; Guyatt, Oxman, Kunz, Vist, et al., 2008; Guyatt, Oxman, Vist, et al., 2008).



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Metodické postupy pro vytvoření a

To be trustworthy evidence informed guidelines will:

- - Be ADOPTED, ADAPTED, ADOLOPED (If they use GRADE methods)
- - Newly developed following Czech national methodology which is based on the GRADE
- Be informed by well conducted systematic reviews
- Consider the body of evidence for each outcome (including the quality of that evidence) and other factors that influence the process of making recommendations including benefits and harms, values and preferences, resource use and acceptability

uj Souhrn vědeckých důkazů dle přístupu GRADE

Závěrečným bodem systematického review či HTA dokumentující pouze vědecké důkazy je tzv. souhrn vědeckých důkazů „*Summary of evidence*“, hodnocení kvality každého každého výstupu „*quality rating for each outcome*“ a odhad účinnosti „*estimate of effect*“. Pro tvůrce KDP a HTA, která obsahují doporučení pro tvůrce politik, představuje souhrn vědeckých

Zde předložený dílčí metodický postup byl vypracován jako část celkové metodiky s cílem vytvořit pracovní materiál pro tvůrce KDP. Během tvorby pilotních KDP lze předpokládat částečné změny či korekce metodiky finální verze metodiky projde finálním recenzím řízením.

Verze 2.0, duben 2018

Součást projektu: Klinické doporučené postupy

Autoři: PhDr. Miloslav Klugar, Ph.D., doc. PhDr. Andrea Pokorná, Ph.D.,
Mgr. Jitka Klugarová, Ph.D., MUDr. Radim Ličeník, Ph.D., RNDr. Jan Mužík, Ph.D., Mgr. Dana
Dolanová, Ph.D., RNDr. Martin Komenda, Ph.D., RNDr. Jakub Gregor Ph.D.,
doc. RNDr. Ladislav Dušek, Ph.D.



National project Clinical Practice Guidelines in the Czech Republic



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Reason for the need to create a CPG's

Current problems of the Czech health system

- Significant heterogeneity of care (territorially, depending on healthcare provider)
- The absence of a unified consistent methodology of creation (CPG)
- Frequent inefficiency of spending money

Project Goals

- To reduce heterogeneity of care (Territorial, healthcare provider dependent)
- To create CPG with a unified standard methodology of their creation - set up standard health care
- Potentially increasing the effectiveness of spent financial resources
- Deepening for / postgraduate education

The aim of the project is to design a standardized system / binding national methodology for creating and updating CPG's in the Czech Republic in order to increase the availability, quality and efficiency of health services:

- 1 - To prepare a draft single binding system for the Ministry of Health for creating, approving, publishing and updating the CPG
- 2 - Create at least 40 CPGs for areas with the largest defined heterogeneities in the healthcare system
- 3 - Set the design of the system of education of the persons involved in the creation of CPGs and subsequently using CPGs

GC - MZ CR
Approved CPG proposal
CPG guarantor

CPG team
Uniformed methodology
Trained working groups

A(M)C – IHIS CR

IHIS CR - data

CPG development

GC Approval

GC - review

**MZ CR,
CPG portal**

Objectives

ESTABLISHMENT OF THE MANAGING AUTHORITIES



KA1

outcome

- Expert commissions
- Guarantor committee
- Control committee
- Methods for CPG Proposal of first pilot CPG - 5

DEVELOPMENT OF METHOD FRAMEWORK



KA2

outcome

- Methods for CPG creation, assessment and up-date
- Pilot CPG - 5

APPLICATION OF METHOD FRAMEWORK



KA3

outcome

- CPG development - 40

IMPLEMENTATION INTO EDUCATIONAL SYSTEM



KA4

outcome

- National portal for CPG proposals
- e-learning study materials
- Education for CPG creators

KEY ACTIVITY 1

MANAGING AND CONTROL AUTHORITIES FOR CGP DEVELOPMENT AND UP-DATE

0. – 60. month

ESTABLISHMENT OF THE MANAGING AUTHORITIES

- Guarantor committee – management and creation of CPG proposals and their up-date.
- Control committee – control of methodical quality and formal adjustment of developed CPG

Outcomes KA1

- ✓ Statute and Rules of Procedure of the Guarantee Commission and Control Commission
- ✓ Appointment of members of the commissions
- ✓ Methods for creation and assessment of CPG
- ✓ Proposal of the first 5 pilot CPG
 - Topics of first 5 CPG (pilot)
 - CPG for colorectal cancer
 - CPG for chronic lymphatic leukemia
 - CPG for the prevention and treatment of stroke
 - CPG Insulin pumps and glucose monitoring
 - CPG for the prevention and treatment cardiovascular diseases

KEY ACTIVITY 2

DEVELOPMENT OF METHOD FRAMEWORK

0. – 60. month

METHODS FOR CPG DEVELOPMENT, ASSESSMENT AND UP-DATE:

- proposals of new CPG and their approval,
- development of new CPG, their assessment and pilot testing
- assessment of CPG impact on quality of healthcare services and health.

Outcomes KA2

Methods for CPG creation and dissemination.

- ✓ Nomination of guarantors for CPG development
- ✓ Development of national guidelines methodology

Development of first 5 pilot guidelines

- ✓ Evaluation and feedback to the national methodology from pilot guidelines.

KEY ACTIVITY 3

CPG DEVELOPMENT AND DISSEMINATION

12. – 60. month

CPG DEVELOPMENT

- the length of the process of creating and approving each CPG project will take about 10 to 12 months,
- control of formalities, addition of evaluation indicators, acceptance and publishing on the portal then another 1 - 4 months,
- the entire process from designing to publishing the final version on the KDP Portfolio will take up to about 12-16 months.

Outcomes KA3

Development, approvement and publication of 40 CPGs.

KEY ACTIVITY 4

COMMUNICATION AND EDUCATION

0. – 60. month

EDUCATION OF INVOLVED EXPERTS

- Training in process of CPG development of members of the project team, especially members of guarantor committee and creators of CPG
- Increase of CPG awareness among the professional healthcare community - and indirectly also the general public

Outcomes KA4

- ✓ National portal for CPG
- ✓ e-learning study materials published in National portal for CPG
- ✓ Training for creators of CPG in process and methods of CPG development
- ✓ 2 Conferences for target group with foreign keynote speakers
- ✓ 40 fully supported persons (training in process of CPG development)

Fundamental suggestions (tips and tricks)

- Selection of suitable members of the working team
(decent English, enough of time, willingness to learn something new, experience with EBM) capacity building and offering of methodological workshops
- Specification of the topic, Searching for existing CPGs with GRADE methodology
- Formulation of answerable clinical question using PICO
- Collaboration with methodologists
- Collaboration with information specialist
- Collaboration with foreign colleagues in knowledge sharing
- Combination of templates and software (GRADEpro)
-



Always an honest word



Now it's how I view the world