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CIOMS Research Guidelines.

Considering the Needs

of Developing Countries

Lembit Rägo and Monika Zweygarth

Webinar
December 6, 2023

CIOMS – Introduction (https://cioms.ch/)



Council for

International

Organizations of

Medical

Sciences



In official relations with WHO

UNESCO associated partner

ICH Observer since 2016

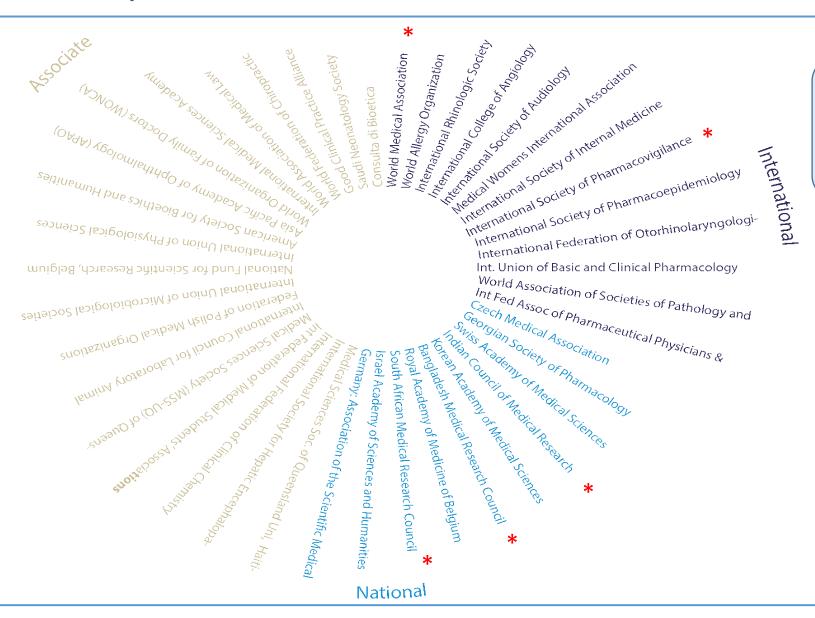


Mission Statement

CIOMS mission is to advance public health through guidance on health research including ethics, medical product development and safety

CIOMS membership





2023 - European Network of Research Ethics Committees (EUREC) joined CIOMS

From roundtables to international working groups



- In the mid-1960s, the world went through some huge political and technological developments. At the same time, biomedical scientific and technological advances were transforming the practice and potential of medicine, with unprecedented social, cultural and ethical implications.
- In 1977 the World Health Assembly adopted the goal of <u>health for all</u>. This asserted the need for health policy to be informed by ethics and human values, indicating the field in which CIOMS could best complement the work of WHO.
- A particular aspect of biomedical technology—the development and safe use of medicines—became another dominant theme of CIOMS. Since the 1990s most of CIOMS working groups have focused on various aspects of pharmacovigilance without abandoning research ethics and other topics of product development

Main areas of work

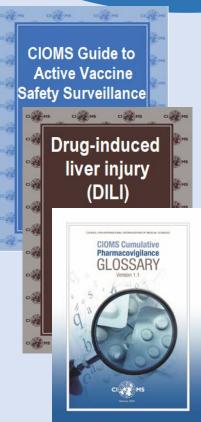


Bioethics



- Since 1967; 1st **CIOMS** Round Table Conference 'Biomedical Science and the dilemma of Human Experimentation'
- Issued significant quidelines
- Latest revision 2016
- o Focus on 'low -and middle- income countries'
- Available in 10 languages, e.g. Chinese, Spanish, Japanese, Russian

Pharmacovigilance



- 1986: first PV Working Group
- 13 more working group reports to date
- Several ICH Guidelines are based on results of CIOMS **Working Groups**
- Cumulative Glossary 2021

Product development



Glossary of ICH terms and definitions

- Development' 2021: Clinical Research in Resource-Limited Settings, CIOMS Working Group
- 2022: Patient Involvement ... WG XI

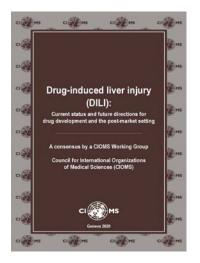
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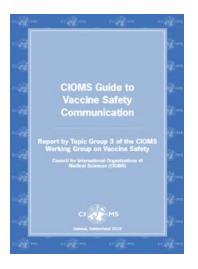
2022: Glossary of ICH terms and definitions

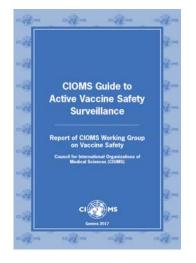
CIOMS Recent Pharmacovigilance related Publications



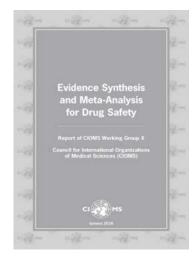
https://cioms.ch/publications/

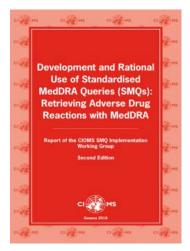


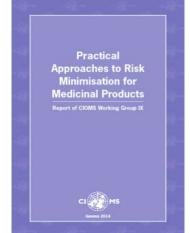


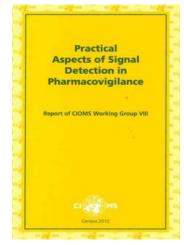


Chinese translation was made available in 2018









CIOMS WG on DILI – report 2020



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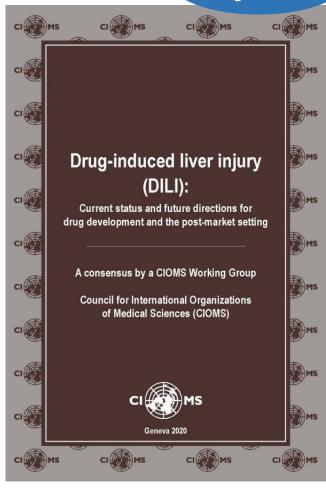
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Online only – freely available on the CIOMS website at: https://cioms.ch/publications/product/drug-induced-liver-injury/

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APPENDIX 6	Genetic susceptibility loci for DILI identified in GWAS and candidate gene studies
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Pharmacovigilance



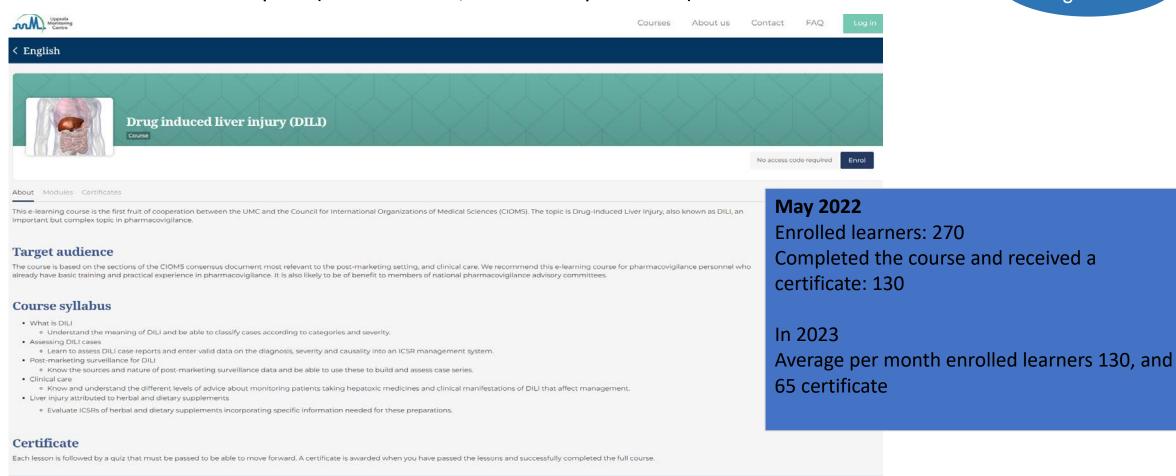
https://doi.org/10.56759/ojsg8296

New training online courses



 Joint CIOMS/Uppsala Monitoring Centre (UMC) training modules based on CIOMS DILI WG report (started 2021, finalized Aprill 2022)





BioST 2022

CIOMS latest, 2016 Ethical Guidelines - In all 6 UN languages +

CI

Japanese, Korean, Polish, Portuguese, Ukrainian ...





Pautas éticas

internacionales para la

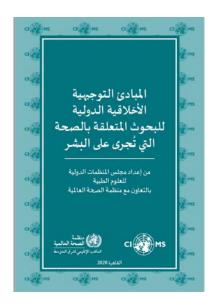
investigación relacionada

con la salud con seres

humanos

Elaboradas por el Consejo de Organizaciones Internacionales de las Ciencias Médicas (CIOMS)













CIOMS 2016 Ethical Guidelines: 25 guidelines on hot topics



1 – Scientific and social value and respect for rights	10 – Modifications and waivers of informed consent	18 – Women as research participants
2 – Research conducted in low- resource settings	11 – Collection, storage and use of biological materials and related data	19 – Pregnant women and lactating women as research participants
3 – Equitable distribution of benefits and burdens in the selection of groups of participants	12 – Collection, storage and use of data in health-related research	20 – Research in disasters and disease outbreaks
4 – Potential benefits and risks of	13 – Reimbursement and compensation for research	21 - Cluster randomized trials
research	participants	22 – Use of online environment and digital tools
5 – Choice of control in clinical trials	14 – Treatment and compensation for research-related harms	23 – Research ethics committees and review
6 - Caring for participants' health		
needs	15 – Research involving vulnerable persons	24 – Public accountability
7 – Community engagement	16 – Research involving individuals	25 – Conflicts of interest
8 – Collaborative partnership and capacity building	who are incapable of giving informed consent	
9 – Individual informed consent	17 – Research involving children and adolescents	

E-training course



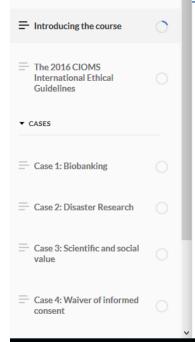
https://cioms.blendleren.nl/Navigating-the-2016-CIOMS-International-



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Introducing the course

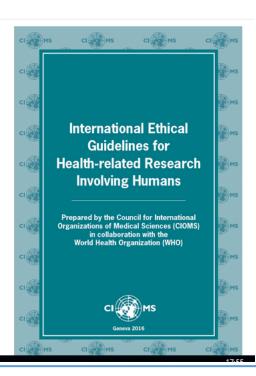


Learning objectives

This course will help you to grasp and to navigate the 2016 CIOMS International Ethical Guidelines for Health-related research.

At the end of the course you will \dots

- be able to navigate the Guidelines in order to find the Guidelines applicable to your case.
- have a comprehensive idea of the topics described in the Guidelines.
- understand the position of CIOMS on specific issues, such as the use of placebo or the level of acceptable risks.



Controlled Clinical Trials, Sir Austin Bradford Hill and CIOMS (I)



Year 1960

CONTROLLED CLINICAL TRIALS

PAPERS DELIVERED AT THE CONFERENCE CONVENED BY

THE COUNCIL FOR INTERNATIONAL ORGANIZATIONS OF MEDICAL SCIENCES

Established under the joint auspices of UNESCO and WHO

BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD

CONTROLLED CLINICAL TRIALS

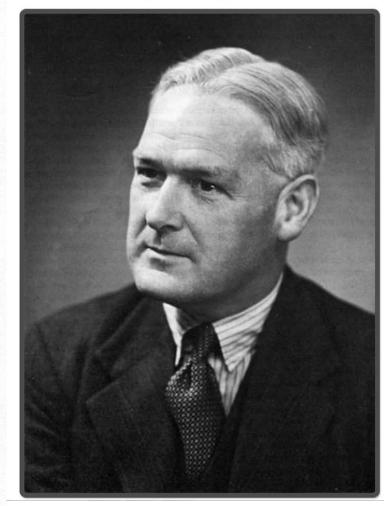
Papers delivered at the Conference convened by

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Organized under the direction of
PROFESSOR A. BRADFORD HILL, F.R.S.
Chairman of the Conference

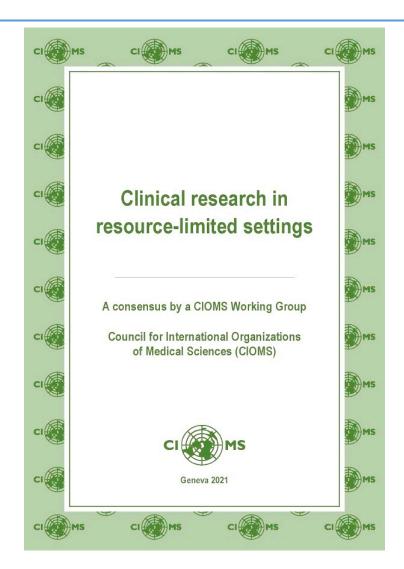
BLACKWELL SCIENTIFIC PUBLICATIONS OXFORD

Austin Bradford Hill (1897-1991)



CIOMS WG on Clinical research in resource-limited settings – report 2021





https://doi.org/10.56759/cyqe7288



SEVENTY-FIFTH WORLD HEALTH ASSEMBLY Agenda item 16.2 WHA75.8 27 May 2022



Strengthening clinical trials¹ to provide high-quality evidence on health interventions and to improve research quality and coordination

The Seventy-fifth World Health Assembly,

Recalling resolutions WHA58.34 (2005) acknowledging that high-quality, ethical research and the generation and application of knowledge are critical in achieving internationally agreed health-related development goals, WHA63.21 (2010) outlining WHO's role and responsibilities in health research, WHA66.22 (2013) and WHA69.23 (2016) on the follow-up of the report of the Consultative Expert Working Group on Research and Development: Financing and Coordination, WHA67.20 (2014) on regulatory system strengthening for medical products, WHA67.23 (2014) on health intervention and technology assessment in support of universal health coverage, WHA74.6 (2021) on strengthening local production of medicines and other health technologies to improve access, and WHA74.7 (2021) on strengthening WHO preparedness for and response to health emergencies, which notes the importance of basic and clinical research and recognizes the critical role of international collaboration in research and development, including in multicountry clinical and vaccine trials, as well as rapid diagnostics test and assay development, while acknowledging the need for further rigorous scientific evidence:

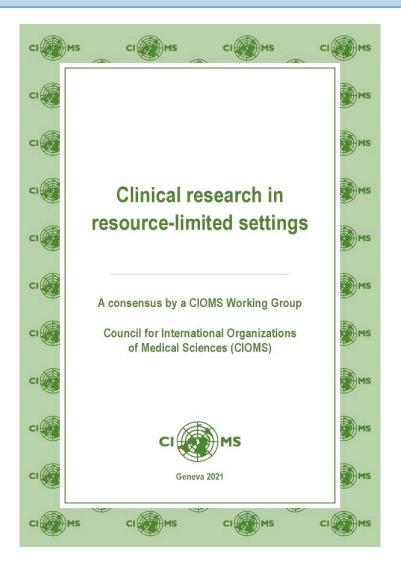
Noting the recommendations made by the Independent Panel for Pandemic Preparedness and Response in their review "COVID-19: make it the last pandemic" relating to health research and development, including clinical trials;

^{1 &}quot;A clinical trial is defined by WHO as any research study that prospectively assigns human participants or groups of humans to one or more health-related interventions to evaluate the effects on health outcomes. Clinical trials may also be referred to a interventional trials. Interventions include but are not restricted to drugs, cells and other biological products, surgical procedures, adiologic procedures, devices, behavioural treatments, process-of-care changes, preventive care, etc. This definition includes Phase I to Phase IV trials." Joint statement on public disclosure of results from clinical trials, 2017 (https://www.who.int/news/tem/18-05-2017-joint-statement-on-registration, accessed 25 May 2022).

²⁰²¹ Independent Panel for Pandemic Preparedness and Response. COVID-19: make it the last pandemic, 2021 (https://theindependentpanel.org/wp-content/uploads/2021/05/COVID-19-Make-it-the-Last-Pandemic_final.pdf, accessed 25 May 2022).

CIOMS WG: CIOMS WG on Clinical research in resource-limited settings (2021)

Report Content

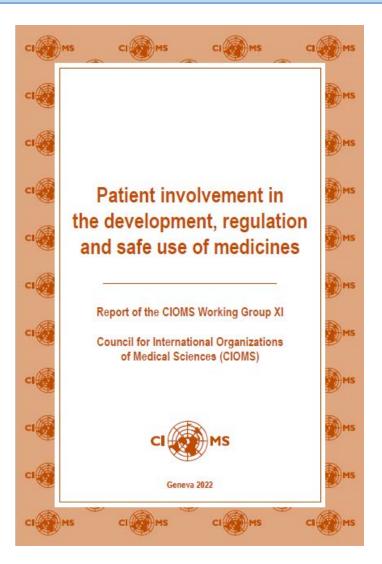


Fore	eword					
Executive summary						
Recommendations						
Chapter 1: Background and problem statement						
Cha	pter 2: The Research environment: obstacles and enablers					
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7.	List of commentators					

Product development

CIOMS WG XI: Patient Involvement in the Development, Regulation and Safe Use of Medicines 2022

Report Content



https://doi.org/10.56759/iiew8982

Ethical considerations for patient involvement Executive summary Chapter 1: Introduction Chapter 2: Landscape Chapter 3: Guiding principles Chapter 4: Advancing treatments Chapter 5: Use of real-world data and evidence **Chapter 6: Product labeling Chapter 7: Rapid safety communication Chapter 8: Additional risk minimization Chapter 9: Clinical practice guideline Chapter 10: Low- and middle-income countries Chapter 11: Pandemic considerations Appendices: Glossary Case studies CIOMS WG XI statement CIOMS WG membership and meetings** List of commentators

Bioethics Pharmaco-

Product development

Some snapshots



1: Introduction

2: Landscape

3: Guiding principles

4: Advancing treatments

5: Real-world data /evidence

6: Product labelling

7: Rapid safety communication

8: Additional risk minimisation

9: Clinical practice guidelines

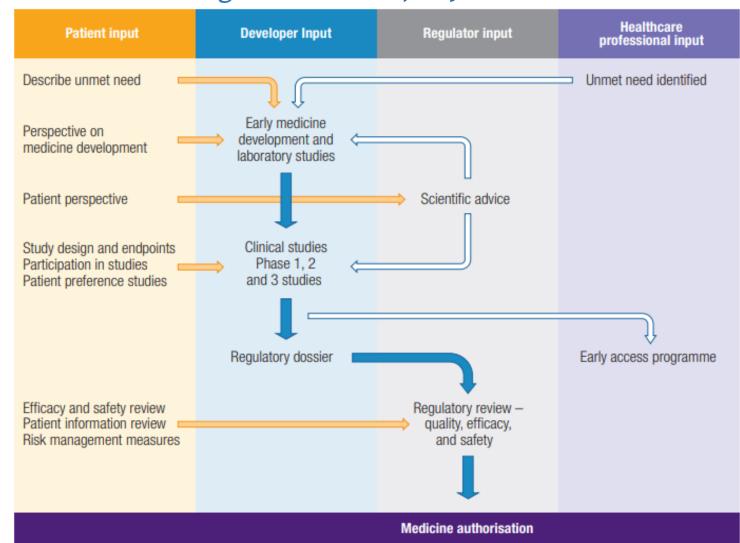
10: LMICs

11: Pandemic considerations

Appendices

Figure 1a: Patient involvement during a medicine life-cycle

Pre-authorization period



Some snapshots (ct'd)

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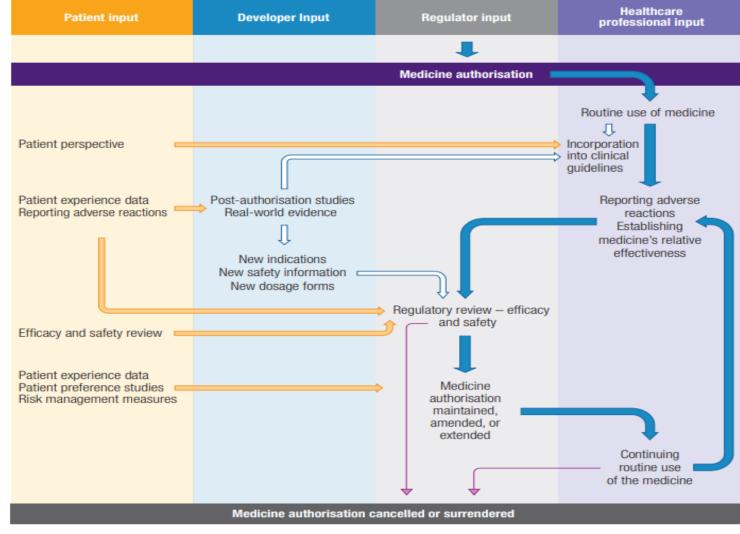
1: Introduction

- 2: Landscape
- **3**: Guiding principles
- 4: Advancing treatments
- 5: Real-world data /evidence
- 6: Product labelling
- 7: Rapid safety communication
- 8: Additional risk minimisation
- 9: Clinical practice guidelines
- 10: LMICs
- 11: Pandemic considerations

Appendices

Figure 1b: Patient involvement during a medicine life-cycle

Postauthorization period



Source: CIOMS Working Group XI

Appendices



1 Gl	lossary
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Case studies

- A Medication formulation created to meet patients' and doctors' needs (AdrenalNET)
- B A regulatory agency involving patients; public hearing on valproate (EMA)
- C Pilot collaboration between Lareb and a patient organisation in communicating a signal (Lareb)
- D Creating partnerships between industry and patient groups for therapy development (Roche)
- E Example of a pharmaceutical company working with patients to develop an additional risk minimisation measure
- F Engaging patients in early development plans for a novel treatment (Takeda)
- G Patient activism to counter AIDS denialism and improve access to HIV medicines in South Africa

3 (.

Each case study describes:

Purpose and objective of the case study

Pharmacology

Indication/disease treated

Stage of the drug development lifecycle

Why were patients involved?

How was contact established with the patients?

What did the patients do?

Was the process adjusted to the patients' needs?

If patients were asked to help disseminate information, how was it done?

Did the patients receive payment or compensation?

Were any patient requests or recommendations discarded and why?

Conclusion

Contact details

CIOMS Ongoing Working Groups in 2023



- MedDRA Labelling Groupings. Started April 2019 *
- Benefit-Risk Balance for Medicinal Products. CIOMS WG XII. Started: September 2019 *
- Real-World Data and Real-World Evidence in Regulatory Decision-Making. CIOMS WG XIII. Started: March 2020 *
- Severe Cutaneous Adverse Reactions (SCARs). Started: February 2021 *
- Recommended Standards of Education and Training for Health Professionals Participating in Medicines Development. Started: April 2021
- International Guidelines on Good Governance Practices for Research Institutions. Started: July 2021 *
- Artificial Intelligence in Pharmacovigilance. CIOMS WG XIV. Started: May 2022
- ► Harnessing the potential of pharmacoepidemiology for public health. CIOMS WG XV. Started: November 2023

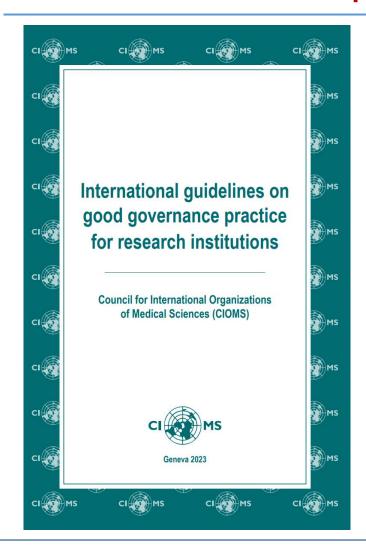


In-person participants at the 1st Meeting of CIOMS WG XIV

- * Finalization in 2023
- Finalization in 1Q/2Q 2024

New CIOMS WG report – launched 28/11/2023





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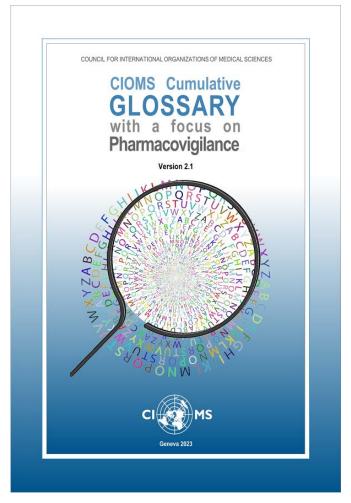
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This publication is freely available on the CIOMS website at: https://doi.org/10.56759/hslk3269

CIOMS Glossaries – 2 complimentarty successful projects

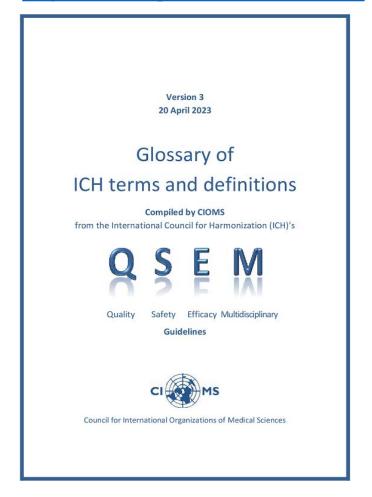


https://doi.org/10.56759/ocef1297



* First version in 2021.

https://doi.org/10.56759/eftb6868



^{*} First Version in 2022

Instead of conclusion



Working for public health and patients has a little difficulty

No matter how good we are we can and should always do better!

How can we do better for public health?



Image by Gordon Johnson from Pixabay



Thank you for your attention