

# MONITORING AND EVALUATION FOR VIRAL HEPATITIS B AND C:

RECOMMENDED INDICATORS AND FRAMEWORK

**TECHNICAL REPORT** 





## MONITORING AND EVALUATION FOR VIRAL HEPATITIS B AND C:

RECOMMENDED INDICATORS AND FRAMEWORK

**TECHNICAL REPORT** 

WHO Library Cataloguing-in-Publication Data

Monitoring and evaluation for viral hepatitis B and C: recommended indicators and framework.

1. Hepatitis C – prevention and control. 2. Hepatitis B – prevention and control. 3. Hepatitis, Viral, Human. I. World Health Organization.

ISBN 978 92 4 151028 8

(NLM classification: WC 536)

© World Health Organization 2016

All rights reserved. Publications of the World Health Organization are available on the WHO website (www.who. int) or can be purchased from WHO Press, World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland (tel.: +41 22 791 3264; fax: +41 22 791 4857; Email: bookorders@who.int).

Requests for permission to reproduce or translate WHO publications – whether for sale or for non-commercial distribution – should be addressed to WHO Press through the WHO website (www.who.int/about/licensing/copyright\_form/en/index.html).

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by the World Health Organization in preference to others of a similar nature that are not mentioned. Errors and omissions excepted, the names of proprietary products are distinguished by initial capital letters.

All reasonable precautions have been taken by the World Health Organization to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization be liable for damages arising from its use.

Design and layout: blossoming.it

## **TABLE OF CONTENTS**

| Acknowledgements  | 5                                |
|---|----------------------------------|
| Abbreviations and acronyms  | 6                                |
| Terminology   | 7                                |
| Executive summary   | 8                                |
| 1. Introduction   | 10                               |
| <ul> <li>1.1 Purpose</li> <li>1.2 Objectives</li> <li>1.3 Content</li> <li>1.4 Audience</li> <li>1.5 Scope</li> <li>1.6 Companion documents</li> <li>1.7 Elimination agenda and global targets</li> </ul>   | 10<br>10<br>10<br>11<br>11<br>11 |
| 2. Methods and processes  | 13                               |
| <ul> <li>2.1 Incremental approach: adding to the result chain M&amp;E framework developed for HIV and other programmes</li> <li>2.2 Process and criteria for selecting indicators (18) <ul> <li>a. Core indicators for global and national monitoring and reporting:</li> <li>b. Additional indicators for national-level monitoring and reporting</li> </ul> </li> <li>2.3 Indicator classification</li> <li>2.4 Indicator metadata</li> </ul> | 13<br>13<br>13<br>13<br>14<br>14 |
| 3. Methodology for monitoring and evaluation of activities for viral hepa   | atitis 15                        |
| <ul><li>3.1 Monitoring systems for viral hepatitis: an integrated incremental approach</li><li>3.2 Measurement methods and sources of data</li><li>3.3 Confidentiality and ethical considerations</li></ul>   | 15<br>15<br>15                   |
| 4. Monitoring and evaluation indicators   | 16                               |
| <ul> <li>4.1 Summary of indicators</li> <li>4.2 Ten core indicators</li></ul>   | 16<br>17<br>17<br>17<br>26<br>26 |
| 5 Peferences  | 32                               |

#### **TABLES AND FIGURES**

- Fig. 1: Monitoring and evaluation framework: minimum set of 10 core indicators to monitor and evaluate the health sector response to viral hepatitis B and C along the result chain in countries
- **Table 1:** Targets of the WHO Global Health Sector Strategy on viral hepatitis, 2016–2021
- Table 2: Summary of indicators for monitoring and evaluation of viral hepatitis B and C
- Table 3: Metadata tables for each of the 10 core indicators for viral hepatitis B and C
- Table 4: List and metadata of additional indicators specific to viral hepatitis B and C
- **Table 5:** List and metadata of additional indicators for viral hepatitis B and C already formulated and/ or collected through other programmes or national health system

### **ACKNOWLEDGEMENTS**

#### Writing committee

Isabel Bergeri and Yvan Hutin (WHO Geneva)

#### WHO headquarters, regional offices and country offices, and International Agency for Research on Cancer (IARC)

WHO Global Hepatitis Programme team, Geneva: Stefan Wiktor, Yvan Hutin, Hande Harmanci, Isabel Bergeri

WHO Geneva: Karen Hennessey, Benedetta Allegranzi, Arshad Altaf, Bassim Zayed, Selma Khamassi, Junping Yu, Nicolas Clark

WHO Regional Office for the Western Pacific: Nick Walsh, Linh-vi Le, Eric Wiesen

WHO Regional Office for the Americas: Monica Alonso Gonzalez

WHO Regional Office for Europe: Antons Mozalevskis, Annemarie Stengaard

WHO Regional Office for South-East Asia: Dongbao Yu

WHO Regional Office for the Eastern Mediterranean: Matti Parry, Hamida Khattabi, Mondher Letaief

WHO Country Office China: Po-Lin Chan

WHO Country Office Viet Nam: Amitabh Suthar

IARC: Jacques Ferlay, Iacopo Baussano

#### Reviews were also provided by:

Rosmawati Mohamed (Asian-Pacific Association for the Study of the Liver, Malaysian Society of Gastroenterology and Hepatology, Malaysia)

Janus Ong (Hepatology Society of the Philippines, the Philippines)

John Ward (United States Centers for Disease Control and Prevention)

Representatives of civil society reference groups: Isabelle Meyer-Andrieux (MSF Switzerland), Samuel So (Asian Liver Center, Stanford University School of Medicine, USA)

#### Technical editing and layout

Leitmotif company (editing), Blossom company (layout)

#### Financial acknowledgement

The development of these guidelines was financially supported by the French Ministry of Foreign Affairs and United States Centers for Disease Control and Prevention.

## ABBREVIATIONS AND ACRONYMS

Ag antigen ANC antenatal care

**anti-HAV** antibody against hepatitis A virus

**anti-HBc** antibody against hepatitis B core antigen

anti-HCV antibody against hepatitis C virus anti-HDV anti-HEV antibody against hepatitis D virus antibody against hepatitis E virus civil registration and vital statistics direct-acting antiviral (drug)

**DBS** dried blood spot

**DHS** Demographic and Health Survey

DNA deoxyribonucleic acid EIA enzyme immunoassay EML Essential Medicines List

**EPI** Expanded Programme on Immunization

**GHSS** WHO Global Health Sector Strategy (on viral hepatitis)

**HAV** hepatitis A virus

**HBsAg** hepatitis B surface antigen

HBV hepatitis B virus
HCV hepatitis C virus
HCW health-care worker
HDV hepatitis D virus

**HepB BD** hepatitis B birth-dose vaccination in newborns (within first 24 hours of life)

**HepB3** hepatitis B vaccination with 3 doses in infants

**HEV** hepatitis E virus

**HIV** human immunodeficiency virus

International Agency for Research on Cancer

ICD-10 International Statistical Classification of Diseases and Related Health Problems, tenth revision

IHP+ International Health Partnership
 IPC infection prevention and control
 M&E monitoring and evaluation
 MICS Multiple Indicator Cluster Survey
 MSM men who have sex with men

### 预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5 27046



