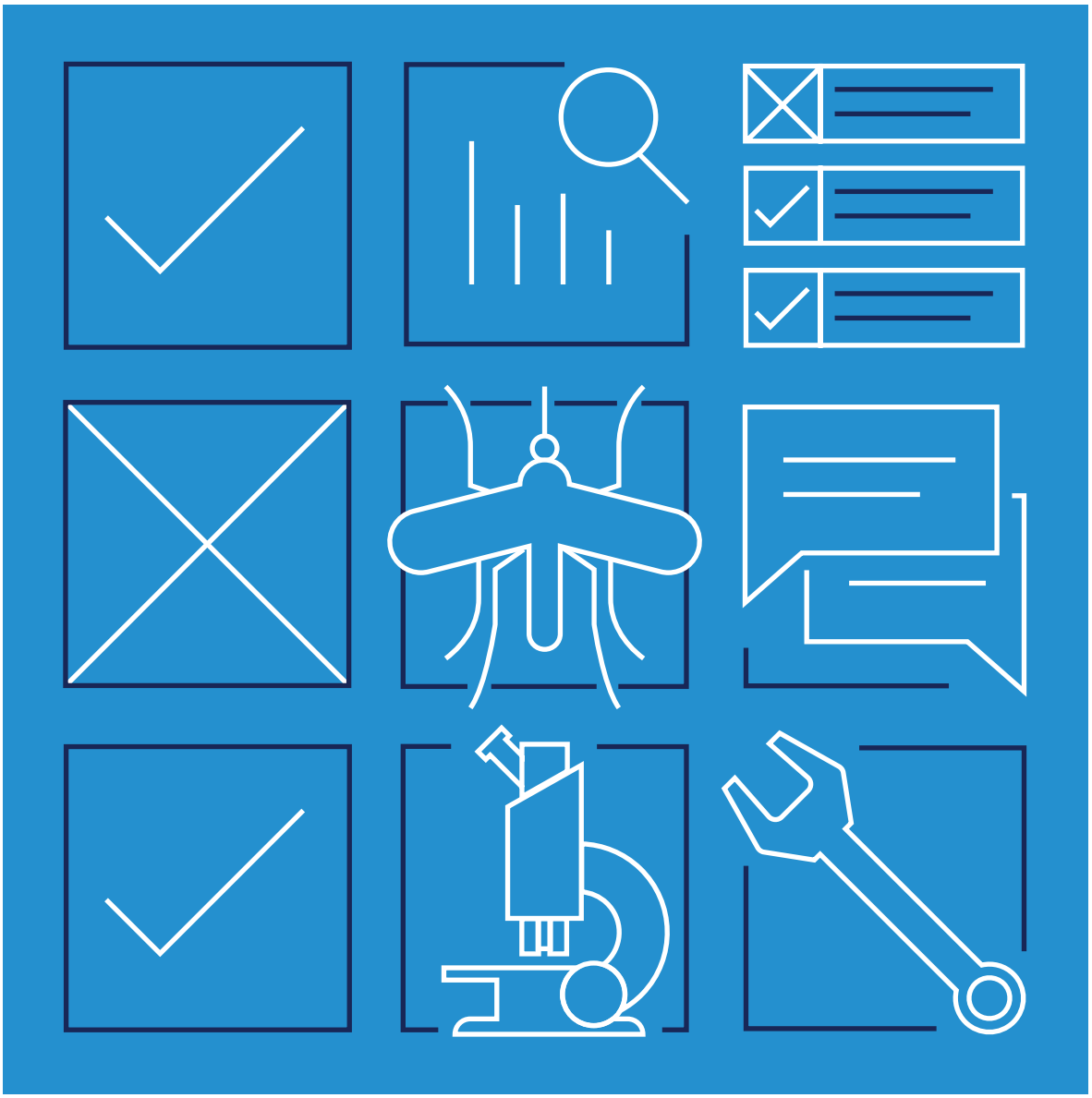
Malaria surveillance assessment toolkit

Implementation reference guide



World Health Organization

Malaria surveillance assessment toolkit

Implementation reference guide

World Health Organization

Malaria surveillance assessment toolkit: implementation reference guide

ISBN 978-92-4-005527-8 (electronic version)
ISBN 978-92-4-005528-5 (print version)

© World Health Organization 2022

Some rights reserved. This work is available under the Creative Commons Attribution-NonCommercial-ShareAlike 3.0 IGO licence (CC BY-NC-SA 3.0 IGO; https://creativecommons.org/licenses/by-nc-sa/3.0/igo).

Under the terms of this licence, you may copy, redistribute and adapt the work for non-commercial purposes, provided the work is appropriately cited, as indicated below. In any use of this work, there should be no suggestion that WHO endorses any specific organization, products or services. The use of the WHO logo is not permitted. If you adapt the work, then you must license your work under the same or equivalent Creative Commons licence. If you create a translation of this work, you should add the following disclaimer along with the suggested citation: "This translation was not created by the World Health Organization (WHO). WHO is not responsible for the content or accuracy of this translation. The original English edition shall be the binding and authentic edition".

Any mediation relating to disputes arising under the licence shall be conducted in accordance with the mediation rules of the World Intellectual Property Organization (http://www.wipo.int/amc/en/mediation/rules/).

Suggested citation. Malaria surveillance assessment toolkit: implementation reference guide. Geneva: World Health Organization; 2022. Licence: CC BY-NC-SA 3.0 IGO.

Cataloguing-in-Publication (CIP) data. CIP data are available at http://apps.who.int/iris.

Sales, rights and licensing. To purchase WHO publications, see http://apps.who.int/bookorders. To submit requests for commercial use and queries on rights and licensing, see https://www.who.int/copyright..

Third-party materials. If you wish to reuse material from this work that is attributed to a third party, such as tables, figures or images, it is your responsibility to determine whether permission is needed for that reuse and to obtain permission from the copyright holder. The risk of claims resulting from infringement of any third-party-owned component in the work rests solely with the user.

General disclaimers. 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 WHO 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 WHO 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 WHO 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 WHO be liable for damages arising from its use.

Contents

Acknowledgements v

Acronyms vi

Glossary vii

Executive summary xi

Part A: Overview 1

Part B: Step-by-step implementation guide 9

Phase 1: Assessment initiation 13

1.1 Establish a steering committee of key stakeholders involved in the design and implementation of the assessment 13

1.2 Write and iterate an assessment concept note and/or protocol 16

1.3 Customize data collection tools 24

Phase 2: Data collection and review 25

2.1 Conduct a desk review 25

2.2 Conduct a data quality assessment 27

2.3 Conduct a survey of surveillance staff at all applicable levels of the health system (community health workers, health facilities and hospitals, and district/regional offices) 35

Phase 3: Data analysis and outputs 38

3.1 Collate outputs from the desk review 39

3.2 Collate outputs from the desk-level DQA 39

3.3 Aggregate data from the service delivery–level DQA and analyse 41

3.4 Manage and clean data from the survey 41

3.5 Use analysis shell tables to capture results of survey data 41

Phase 4: Prioritization of recommendations and dissemination **42**

4.1 Prepare the final report, technical brief and debrief presentation 42

4.2 Develop and prioritize recommendations with the steering committee based on results 44

4.3 Develop an action plan to address priority gaps 45

References **48**

Selected further reading **49**

Annexes **50**

Annex 1. Suggested stakeholder and/or interview checklist 51

Annex 2. Suggested document checklist 54

Annex 3. Core malaria variables and indicators 59

Annex 4. Core variables for DQA 67

Annex 5. DQA consistency checks between core variables 73

Annex 6. DQA consistency checks over time for core indicators 75

Acknowledgements

The technical development of the Malaria Surveillance Assessment Toolkit described in this implementation reference guide was led by the Strategic Information for Response Unit of the WHO Global Malaria Programme. In WHO, the focal person for this work was Laura Anderson with contributions from Amy Barrette, Yuen Ching Chan, Tamara Ehler, Beatriz Galatas, Xiao Hong Li, Kimberly Lindblade, Mwalenga Nghipumbwa, Amanda Tiffany and Ryan Williams. The project oversight was provided by Abdisalan Noor. The project was conceptualised during a technical consultation on surveillance system assessments convened by WHO in December 2018. The members of this technical consultation who also reviewed the toolkit were John Aponte, Maru Aregawi, Gawrie Galappaththy, Xiao Hong Li, Kimberly Lindblade, Abdisalan Noor and Ryan Williams (WHO Global Malaria Programme), Ebenezer Baba (WHO Regional Office for Africa), Jeff Bernson (PATH), Chris Cotter (University of California, San Francisco (UCSF)), Erin Eckert (RTI International), Jordi Landier (Shoklo Malaria Research Unit), Arnaud Le Menach (Clinton Health Access Initiative (CHAI)), John Painter (United States Centers for Disease Control and Prevention (CDC)), Arantxa Roca-Feltrer (Malaria Consortium), Francisco Saute (Centro de Investigação em Saúde de Manhiça), Yazoume Ye (ICF). The lead partner in supporting the development of the toolkit was CHAI with contributions from Sameen Babur, Thibaud de Chevigny, Elijah Filip, Arnaud Le Menach, Dominic Lucero, Deepa Pindolia, Abigail Ward and Katelyn Woolheater.

Additional feedback was received from Ruth Ashton and Thomas Eisele (Tulane University), Anna Bowen (CDC), Adam Bennett, Neil Lobo and Allison Tatarsky (UCSF), David Boone (John Snow Inc), Misun Choi and Lia Florey (U.S. President's Malaria Initiative), Michael Hainsworth (PATH), Christopher Lourenco (Population Services International).

We would like to give special thanks to country partners who piloted the toolkit and provided valuable practical feedback. To date, these are the national malaria programmes and partners of Burkina Faso, Ghana and the Democratic Republic of the Congo.

This toolkit has been produced with financial support from the Bill & Melinda Gates Foundation.

Acronyms

CHAI Clinton Health Access Initiative

DHIS District Health Information Software

DQA data quality assessment

DQR data quality review

HMIS health management information system

IDSR integrated disease surveillance and response

IPTi intermittent preventive treatment of malaria in infants

IPTp intermittent preventive treatment of malaria in pregnancy

IRB institutional review board

M&E monitoring and evaluation

MDA mass drug administration

MFL master facility list

MPR malaria programme review

NMP national malaria programme

NSP malaria national strategic plan

RDT rapid diagnostic test

SARA Service Availability and Readiness Assessment

SMC seasonal malaria chemoprevention

SOP standard operating procedure

WHO World Health Organization

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_31568