

---

# Preventing drowning: an implementation guide



World Health  
Organization



---

# Preventing drowning: an implementation guide



**World Health  
Organization**

# Preventing drowning: an implementation guide

ISBN 978-92-4-151193-3

© World Health Organization 2017

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.

## **Suggested citation.**

Preventing drowning: an implementation guide. Geneva: World Health Organization; 2017. 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 <http://www.who.int/about/licensing>.

## **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.

Printed in Spain.

---

**Made possible through funding from  
Bloomberg Philanthropies.**

# Contents

<hr/>	
Foreword	iv
Acknowledgements	vi
Abbreviations	vii
Introduction	1
<b>Section 1</b>	
<b>Situational assessment for drowning prevention interventions and strategies</b>	<b>5</b>
<b>Section 2</b>	
<b>Interventions to prevent drowning</b>	<b>13</b>
Provide safe places away from water for pre-school children	15
Install barriers controlling access to water	22
Teach school-age children (aged over 6 years) swimming and water safety skills	30
Build resilience and manage flood risks and other hazards	41
Train bystanders in safe rescue and resuscitation	47
Set and enforce safe boating, shipping and ferry regulations	54
<b>Section 3</b>	
<b>Strategies to support drowning prevention interventions</b>	<b>65</b>
Promote multisectoral collaboration	67
Strengthen public awareness of drowning through strategic communications	75
Establish a national water safety plan	81
Research: advance drowning prevention through data collection and well-designed studies	89
Conclusion	97
References	99

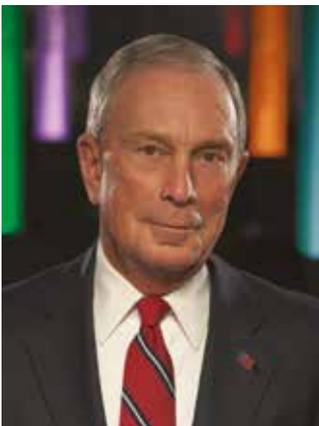
# Foreword



Margaret Chan,  
Director-General,  
World Health  
Organization

Far too many people around the world know the pain of losing a loved one to drowning. Each year almost 360 000 people die from drowning – over 90% of them in low- and middle-income countries. More than half of these deaths are among those younger than 25, with children aged under 5 facing the greatest risk. Drowning is the third leading cause of death worldwide for those aged from 5 to 14. Despite these tragic facts, drowning prevention gets relatively little attention and few resources.

There is far more we can do to prevent drowning. Global commitments made as part of the Sustainable Development Goals, for example, cannot be met as long as this preventable cause of death is left largely unchecked. All of us – policy-makers, parents, non-profit organizations, businesses and concerned citizens – can help prevent drowning. Explaining how is the goal of this guide.



Michael R Bloomberg,  
WHO Global  
Ambassador for  
Noncommunicable  
Diseases

Building on the World Health Organization's 2014 *Global report on drowning*, the following pages provide practical, step-by-step guidance on how to implement 10 effective measures to prevent drowning. They range from community-based solutions, such as day care for children and barriers controlling access to water, to effective national policies and legislation around water safety, including setting and enforcing boating, shipping and ferry regulations. Data show that all of these solutions can help save lives.

The more we work together to implement the measures outlined in this guide, the more lives can be saved. We urge all concerned to adopt as many of the interventions and strategies as their resources will allow, and to protect those most vulnerable without delay.



# Acknowledgements

The World Health Organization would like to thank the following contributors and reviewers who provided the content and expert feedback essential to the production of this guide. The World Health Organization is very grateful for their generosity in terms of both time and effort.

**Executive Editor:** David Meddings

**Contributors:** Elena Altieri, Joost Bierens, Erin Cassell, Andrew Gissing, Jonathan Guevarra, Adnan Hyder, David Jardine-Smith, Olive Kobusingye, Michael Linnan, David Meddings, Joan Ozanne-Smith, Aminur Rahman, Len Roueche, Justin Scarr, Elizabeth Towner, Shirin Wadhvaniya and Roberta Weisbrod.

**Reviewers:** Olakunle Alonge, Peter Barss, Stephen Beerman, Elizabeth Bennett, Lauren S Blum, Ruth Brenner, Tessa Clemens, Ross Cox, Shelley Dalke, Jac Dendle, Richard C Franklin, Daniel Graham, Robert Greif, Gopalkrishna Gururaj, John Leech, Ashok Mahapatra, Kulanthayan KC Mani, Thomas Mecrow, Julie Mytton, Puspa Raj Pant, Jonathon Passmore, John Pearn, Amy E Peden, Cuong Pham Viet, Linda Quan, Fazlur Rahman, Daniel Ryan, David Szpilman, Chadia Wannous, John Waterhouse, Steve Wills and Stephen Yeo.

The report benefited from the input of a number of other people. Angela Burton edited the report. Rebecca Bavinger and Kelly Larson from Bloomberg Philanthropies contributed thoughtful reviews. Ingvar Berg, Justin Sempsrott and Theo Verhoeven provided additional guidance. Other WHO staff that reviewed the report were Alison Harvey, Etienne Krug, Margie

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\\_26456](https://www.yunbaogao.cn/report/index/report?reportId=5_26456)

