



# GLOBAL PROGRESS REPORT ON WASH IN HEALTH CARE FACILITIES

**Fundamentals first**



# GLOBAL PROGRESS REPORT ON WASH IN HEALTH CARE FACILITIES

**Fundamentals first**



World Health  
Organization

unicef   
for every child

Global progress report on water, sanitation and hygiene in health care facilities: fundamentals first

ISBN 978-92-4-001754-2 (electronic version)

ISBN 978-92-4-001755-9 (print version)

© World Health Organization 2020

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.** Global progress report on water, sanitation and hygiene in health care facilities: fundamentals first. Geneva: World Health Organization; 2020. 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.

Terminology used to refer to countries, territories and areas as well as representation of countries, territories and areas, including delimitation of frontiers or boundaries, and any direct or indirect attribution of status in this publication follow exclusively the institutional style and practice of WHO as lead publishing organization and may be at variance with those used by UNICEF.

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.

Front cover photography credits (from left to right): GettyImages/Ms Yapr; World Vision/Jon Warren.

Edit and design by Inis Communication.

# Contents

iv	Foreword	63	Chapter 6. An investment opportunity
v	Acknowledgements	71	Chapter 7. Where do we go from here?
vii	Abbreviations	75	References
viii	Glossary	81	Annex 1. Practical steps to improve WASH in health care facilities
1	Global progress at a glance	88	Annex 2. National water estimates
5	Chapter 1. About this report	114	Annex 3. Regional and global water estimates
9	Chapter 2. Putting fundamentals first	124	Annex 4. Methodology used for tracking country progress
17	Chapter 3. Latest status of WASH services in health care facilities	126	Annex 5. Case studies
39	Chapter 4. Integration of WASH with energy and health programmes	149	Annex 6. Global health AND CLIMATE campaigns and initiatives: opportunities for impact
49	Chapter 5. Country and regional progress	151	Annex 7. Suggested actions to achieve the four recommendations

---

# Foreword

This global progress report on water, sanitation, hygiene, waste management and cleaning (WASH) in health care facilities comes at an unprecedented moment, when coronavirus disease (COVID-19) is exposing key vulnerabilities in health systems, such as inadequate infection prevention and control. WASH services in health care facilities, so often taken for granted – or as this report highlights, outright neglected – are needed more than ever to protect vulnerable health workers and patients.

The report identifies major global gaps in WASH services: one third of health care facilities do not have what is needed to clean hands where care is provided; one in four facilities lack basic water services, and one in 10 have no sanitation services. This means that 1.8 billion people use facilities that lack basic water services and 800 million use facilities with no toilets. Across the world's 47 least-developed countries, the problem is even greater: half of health care facilities lack basic water services. Furthermore, the extent of the problem remains hidden because major gaps in data persist, especially on environmental cleaning.

This report also describes global responses. In response to the 2019 World Health Assembly resolution on WASH in health care facilities, data from 47 countries indicates that more than 70% have conducted related situation analyses, 86% have updated and are implementing standards and 60% are working to incrementally improve infrastructure and operation and maintenance of WASH services. Case studies from 30 countries demonstrate that progress is being propelled by strong national leadership and coordination, use of data to direct resources and action, and the mutual benefits of empowering health workers and communities to develop solutions together.

Despite reported progress, critical gaps remain. Only one third of countries responding to the World Health Assembly resolution have developed costed roadmaps for action, and just over 10% have integrated WASH indicators into regular national health system monitoring.

This report was launched to coincide with the 2020 International Universal Health Coverage (UHC) Day,

with the theme *Protect Everyone*. Investments in WASH must be an essential part of UHC for every country. Furthermore, investing in WASH and energy services in health care facilities is one of the core prescriptions for a healthy, green recovery from the COVID-19 pandemic.

Based on the new data in this report, we offer four recommendations to all countries and partners, particularly health and community leaders:

- Implement costed national roadmaps with appropriate financing;
- Monitor and regularly review progress in improving WASH services, practices and the enabling environment;
- Develop capacities of health workforce to sustain WASH services and promote and practice good hygiene; and
- Integrate WASH into regular health sector planning, budgeting, and programming, including COVID-19 response and recovery efforts to deliver quality services.

Implementing these recommendations requires committed and courageous leaders, communities and partners. The World Health Organization (WHO) and the United Nations Children's Fund (UNICEF) remain steadfast in supporting these efforts and we call on all countries, partners and individuals to intensify their commitment and related investments.

The world can no longer afford to overlook the fundamentals.



*Tedros Adhanom Ghebreyesus, Director-General, World Health Organization*



*Henrietta H. Fore, Executive Director, United Nations Children's Fund*

---

# Acknowledgements

This report is the result of collaboration between a large number of contributors, reviewers and editors. The development of the report was led by the WHO and UNICEF secretariat: Arabella Hayter, Claire Kilpatrick, Maggie Montgomery and Julie Storr (WHO) and Irene Amongin, Silvia Gaya and Emilia Raila (UNICEF), under the overall direction and guidance of Bruce Gordon and Shamsuzzoha Syed (WHO) and Kelly Ann Naylor (UNICEF).

The authors are grateful to the following organizations and individuals for significant contributions to specific chapters:

**Chapter 3:** The WHO/UNICEF Joint Monitoring Programme team: Robert Bain; Christie Chatterley; Rick Johnston; Francesco Mitis; Tom Slaymaker.

**Chapter 4:** Members of the WHO Taskforce on Quality and those who contributed to the health updates: Lydia Abebe; Benedetta Allegranzi; Alessandro Cassini; Breedha Hickey; Ivan Ivanov; Melissa Kleine Bingham; Laura Nic Lochlain; Blerta Maliqi; Nana Mensah Abrampah; Moise Muzigaba; Margot Nauleau; Stephen Nurse Findlay; Pravarsha Prakash; Tin Tin Stint; Anthony Twyman; Salvatore Vinci; Elena Villalobos Prats; Qingxia Zhong.

**Chapter 5:** WaterAid, specifically Helen Hamilton, Alison Macintyre and Kyla Smith.

**Chapter 6:** World Bank, led by Clare Chase; Global Water 2020, specifically Lindsay Denny and Hank Habicht; WaterAid, specifically Fauzia Aliuand, Helen Hamilton, Ellen Greggio, Kyla Smith, George Yorke; Michael Chaitkin and Samantha McCormick led the costing analysis.

The authors also wish to thank the many individuals who contributed content, helped collate country stories and progress updates and reviewed the draft of the document:

Michelle Adler; Shihab Uddin Ahamad; Laura Alcorn; Fauzia Alia; Greg Allgood; Onyema Ajuebor; Suraya Amir Husin; Sandrine Andriantsimietry; Jorge

Alvarez-Sala; Frederik Asplund; Naing Aung; A S Nurullah Awal; Shahid Mahbub Awan; Aboubacar Ballo; Hamed Bakir; Kolawole Banwo; Joseph Banzi; Amy Boore; Sory Bouare; John Brogan; Erica Burton; Pierre Carnevale; Sae-Rom Chae; Kangwa Chikuntele; Pamela Chisanga; Chris Cormency; Tim Davis; Paul Deverill; Indah Deviyanti; Mamadou Diarafa Diallo; Pie Djivo; Quincy T. D’Goll; Therese Dooley; Lobzang Dorji; Edwin Isotu Edeh; Shinee Enkhtsetseg; Ukeme Essien; Sorsa Faltamo Jama; Jose Gesi; Nkwan Jacob Gobte; Samuel Godfrey; Faustina Gomez; Giorgia Gon; Fiona Gore; Wendy Graham; Ellen Greggio; Valentina Grossi; Sunny Guidotti; Innocent Habimana; Moussa Ag Hamma; Hafizah binti Hasan; Carolyn Herzig; Breedha Hickey; Alexander von Hildebrand; Mitsuki Hirai; Mark Hoeke; Erin Hylton; Esmaeil Ibrahim; Viengsompasong Inthavong; Pam Iyer; Andrea Jones; Dragana Jovanovic; Samuel Kaba; Kristy Kade; Gloria Kafura; Safo Kalendorov; Laxman Kharal; Min Ko Ko; Antoine Kocher; Marcelo Korc; Waltaji Kutane Terfa; Christopher Lee; Khankrika Lim; Matthew Lozier; Oyuntogos Lkhasuren; Alison Macintyre; Peter Georg L Maes; Bonifacio Magtibay; Shamsul Mahmud; Pete de Marco; Abdoulaye Mariama Baïssa; Magdalene Matthews Ofori-kuma; Jolly Ann Maulit; Kaveri Mayra; Guy Mbayo; Evelyn Mere; Didier Monteiro; Annie Msosa; Farzona Mukhitdinova; Sofia Murad; Diriisa Musisi; Mubiana Muyangwa; Jonas Naissem; Alban Nouvellon; Victor Nyamandi; Michele Paba; Molly Patrick; Mohanlal Peiris; Genandrialine Peralta; Malala Ranarison; Monica Ramos; Hussain Rasheed; Hantanirina Ravaosendrasoa; Nick Rice Chudeau; Bud Rock; Cipriano do Rosario Pacheco; Mike Paddock; Ute Pieper; Monica Ramos; Bayiha Ruben; Gustavo Saltiel; Channa Sam Ol; Ramon San Pascual; Stephen Sara; Aminatta Sarr; Deepak Saxena; Oliver Schmoll; Patricia Segurado; Jane Sembuche; Antoinette Shor-Anyawoe; Charles Siachema; Aline Simen Kapeu; Shivanarain Singh; Susanna Smets; Ruth Stringer; David Sutherland; Tsedey Tamir; Brenda Tembo; Lekiley Temeh; Nghia Ton; Alpha Nouhoum Traore; Julie Truelove; Marta Vargha; Johannah (Yoyo) Wegerdt; Susan Wilburn; Lee (Pamela) Yew Fong; Osman Yiha; George Yorke.

WHO and UNICEF gratefully acknowledge the financial support provided by:

Agence Francaise de Developpement (AFD); Australian Department of Foreign Affairs and Trade (DFAT); Conrad N. Hilton Foundation; General Electric (GE) Foundation; Global Environment Facility/United Nations Development Programme; Netherlands Directorate-General for International Cooperation (DGIS); Japanese International

Cooperation Agency (JICA); Swedish International Development Cooperation Agency (Sida); Swiss Agency for Development and Cooperation (SDC); United Kingdom Foreign Commonwealth & Development Office (FCDO); United States Agency for International Development (USAID); and Wallace Genetic Foundation/Water 2020.

The report was edited and designed by Inis Communication.

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\\_23479](https://www.yunbaogao.cn/report/index/report?reportId=5_23479)

