## Save LIV, ES

#### A road safety technical package



### Save LIVES A road safety technical package



Save LIVES - A road safety technical package

ISBN 978-92-4-151170-4

#### © 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 (http://www.wipo.int/amc/en/mediation/rules).

Suggested citation. Save LIVES - A road safety technical package. 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.

Design and layout by L'IV Com Sàrl, Villars-sous-Yens, Switzerland.

Printed in Switzerland.

#### **Table of contents**

Foreword	4
Acknowledgements	6
Overview of the Save LIVES package	7
1 Introduction	8
The road safety policy context	8
The opportunity	10
Assessing the evidence	12
2 Save LIVES priority components and interventions	14
Speed management	15
Leadership on road safety	19
Infrastructure design and improvement	23
Vehicle safety standards	28
Enforcement of traffic laws	31
Survival after a crash	35
3 Making the package work	40
Know where you are now	41
Establish where you want to be in the next five years and beyond	41
Establish how you will get to your target	45
Take practical steps to get where you want to be	45
Monitor and evaluate the implementation of your strategy	46
4 Conclusion	47
References	48
Appendix	50

#### Foreword

The 2030 Agenda for Sustainable Development includes an ambitious target to reduce road traffic deaths and injuries by 50% by 2020. It is my hope that this target will leverage renewed momentum for the Decade of Action for Road Safety 2011–2020. While much progress has been made by governments during the Decade of Action to adopt and enforce new road safety laws on risks such as speeding, to redesign roads with protective infrastructure such as sidewalks, and to ensure that vehicles are equipped with life-saving technologies, governments must rapidly accelerate their efforts to achieve Sustainable Development Goal target 3.6.

To do so will mean that governments fulfil the commitments they have repeatedly made through various policy instruments and overcome the challenges they have faced, particularly fatalism, the misconstrued notion that road traffic crashes are accidental and nothing can be done to prevent them. It will also mean surmounting a lack of prioritization for road safety generally and a focus on interventions that are not always the most effective.

This document, *Save LIVES: a road safety technical package*, details key evidence-based measures identified by many of the world's leading road safety experts and their agencies as those most likely to impact road traffic deaths and injuries in the short and long term. They relate to: speed management, infrastructure design, vehicle safety, laws and their enforcement, emergency post-crash care and leadership on road safety.

If still today some 1.25 million people die from road traffic crashes every year, and millions more are injured, it is because policy-makers – particularly those in low- and middle-income countries – continue to find these solutions out of reach. This document seeks to demonstrate otherwise, by identifying those measures which when implemented in combination, have saved hundreds of thousands of lives in recent decades in many high-income countries in Europe as well as in Australia, Canada, Israel, Japan and New Zealand, among others.

If put into practice in a strategic manner, this package of measures will go a long way towards proving that deaths and injuries on the roads need not be an inevitable by-product of our highly mobile societies, and that together we can indeed build a future in which a culture of road safety prevails.

Dr Etienne Krug Director Department for Management of Noncommunicable Diseases, Disability, Violence and Injury Prevention World Health Organization

# Save LIVES

#### Acknowledgements

The World Health Organization (WHO) acknowledges, with thanks, all those who contributed to the preparation of this technical package. Particular thanks are due to the following people, who helped to bring the document to fruition.

Margie Peden from the Department for Noncommunicable Disease Management, Disability, Violence and Injury Prevention, World Health Organization, coordinated the project. The principal writers from WHO were Joëlle Auert, Meleckidzedeck Khayesi, Margie Peden, Teri Reynolds and Tamitza Toroyan, together with Claudia Adriazola-Steil (World Resource Institute), Matts-Ake Belin (Trafikverket, Sweden), Saul Billingsley (FIA Foundation), Ian Cameron (Office of Road Safety for Western Australia, Australia), Gilles Delecourt (Handicap International), Gayle di Pietro (Global Road Safety Partnership), Kelly Henning (Bloomberg Philanthropies), Christian Friis Bach (UNECE), Priti Gautam (UNECE), Adnan A. Hyder (Johns Hopkins University), Soames Job (World Bank), Rob McInerney (iRAP), Eva Molnar (UNECE), Stephen Perkins (OECD), Maria Segui-Gomez (Dirección General de Tráfico, Spain), Avi Silverman (UNICEF), Jean Todt (UN Secretary General Special Envoy), Peter van der Knaap (SWOV Institute for Road Safety Research, the Netherlands), David Ward (Global NCAP), Barry Watson (Global Road Safety Partnership), Jeffrey Witte (AMEND) who constituted an expert advisory group. Further comments and suggestions were received from the following WHO staff: Elena Altieri, Kritsiam Arayawongchai, Dan Fang, Alison Harvey, Mary Theophil Kessi, Kacem Jaych, Evelyn Murphy, Jayasuriya Kumari Navaratne, Patanjali Dev Nayar, Sebastiana Nkomo, Nam Phuong Nguyen, Jonathon Passmore, Hala Sakr, Sabine Rakotomalala, Eugenia Rodrigues, Dinesh Sethi, Laura Sminkey and Yon Yongjie. Kamala Sangam provided research assistance while conducting an internship at the World Health Organization.

Contributions, in the form of literature, examples and review comments, were received from the following road safety experts: Henry Bantu (National Road Safety Council, United Republic of Tanzania), Eduardo Biavati (GRSP), David Bishai (JHU), Dipan Bose (World Bank), Dave Cliff (GRSP), Dave Elseroad (GRSP), Rebecca Ivers (The George Institute for Global Health, Australia), Kelly Larson (Bloomberg Philanthropies), Adam Karpati (Vital Strategies), Emma MacLennan (EASST), Martha Hijar (Ministry of Health, Mexico), Thanapong Jinvong (Road Safety Policy Foundation, Thailand), Tran Huu Minh (National Traffic Safety Committee, Viet Nam), Robert

#### 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\_26225

