Waterpipe tobacco smoking:

health effects, research needs and recommended actions for regulators

2nd edition

WHO Study Group on Tobacco Product Regulation (TobReg)



Advisory note: waterpipe tobacco smoking: health effects, research needs and recommended actions by regulators – 2nd ed.

1.Smoking – adverse effects. 2.Tobacco – toxicity. 3.Tobacco – legislation. I.World Health Organization. II.WHO Study Group on Tobacco Product Regulation.

ISBN 978 92 4 150846 9

(NLM classification: QV 137)

© World Health Organization 2015

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; e-mail: 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.

Printed by the WHO Document Production Services, Geneva, Switzerland

ADVISORY NOTE

Waterpipe tobacco smoking:

health effects, research needs and recommended actions for regulators

2nd edition

WHO Study Group on Tobacco Product Regulation (TobReg)



Contents

	embers of the WHO Study Group on Tobacco Product gulation and contributors	6
1.	Preface	8
2.	Acknowledgements	10
3.	Purpose	12
4.	Background and history 4.1 History 4.2 Recent emergence	13 15 15
5.	Factors that contribute to the increase in prevalence and spread of use 5.1 Introduction of flavoured tobacco (maassel) 5.2 Social acceptability due to the café and restaurant culture 5.3 Developments in mass communication and social media 5.4 Lack of waterpipe-specific policy and regulations	17 17 18 19 21
6.	Regional and global patterns of waterpipe smoking 6.1 African Region 6.2 Region of the Americas 6.3 Eastern Mediterranean Region 6.4 European Region 6.5 South-East Asia Region 6.6 Western Pacific Region	23 24 25 26 26 27

7.	Health effects of the toxicant content of waterpipe smoke	29
	7.1 Toxicant uptake by waterpipe users	31
	7.2 Acute physiological and health effects of waterpipe use	31
	7.3 Second-hand waterpipe smoke	32
	7.4 Long-term health effects	32
	7.5 Addiction to waterpipes	34
	7.6 Waterpipes as a bridge to cigarette smoking	38
8.	Research needs	41
9.	Scientific basis and conclusions	44
10	Policy	45
11.	Suggested actions for regulators	48
12. References		

WHO Study Group on Tobacco Product Regulation

Members

- Dr D.L. Ashley, Director, Office of Science, Center for Tobacco Products, Food and Drug Administration, Rockville, Maryland, United States of America
- Professor O.A. Ayo-Yusuf, Dean, School of Oral Health Sciences, Sefako Makgatho Health Sciences University, Pretoria, South Africa
- Professor A.R. Boobis, Centre for Pharmacology and Therapeutics, Department of Medicine, Imperial College, London; Director, Public Health England Toxicology Unit, Imperial College London, United Kingdom
- Dr Vera Luiza da Costa e Silva, Independent Consultant, Senior Public Health Specialist, Rio de Janeiro, Brazil
- Dr M.V. Djordjevic, Program Director/Project Officer, Tobacco Control Research Branch, Behavioral Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute, Bethesda, Maryland, United States of America
- Dr N. Gray, Honorary Senior Associate, Cancer Council Victoria, Melbourne, Australia†
- Dr P. Gupta, Director, Healis Sekhsaria Institute for Public Health, Mumbai, India
- Dr S.K. Hammond, Professor of Environmental Health Sciences, School of Public Health, University of California, Berkeley, California, United States of America
- Dr D. Hatsukami, Professor of Psychiatry, University of Minnesota, Minnesota, United States of America
- Dr A. Opperhuizen, Director, Office for Risk Assessment and Research, Utrecht, The Netherlands
- Dr G. Zaatari (Chair), Professor and Chairman, Department of Pathology and Laboratory Medicine, American University of Beirut, Beirut, Lebanon

Contributors

- Dr E. Akl, Associate Professor of Medicine, Department of Internal Medicine, American University of Beirut, Lebanon
- Dr T. Eissenberg, Professor of Psychology and Co-Director, Center for the Study of Tobacco Products, Virginia Commonwealth University, Richmond, Virginia, United States of America
- Dr W. Maziak, Professor and Chair, Department of Epidemiology, Florida International University; Director, Syrian Center for Tobacco Studies, Miami, Florida, United States of America
- Dr P. Mehrotra, Senior Programme Officer, Population Council, New Delhi, India
- Mr J. Morton, Senior Survey Methodologist, Global Tobacco Control Branch, Office on Smoking and Health, Centers for Disease Control and Prevention, Atlanta, Georgia, United States of America
- Dr A. Shihadeh, Professor of Mechanical Engineering, Faculty of Engineering and Architecture, American University of Beirut, Beirut, Lebanon

WHO Secretariat

(Tobacco Free Initiative, Prevention of Noncommunicable Diseases, Geneva, Switzerland)

- Ms M. Aryee-Quansah, Administrative Assistant
- Dr A. Peruga, Programme Manager
- Ms G. Vestal, Technical Officer (Legal)

1. Preface

Tobacco product regulation, which involves regulating the contents and emissions of tobacco products by testing, mandating the disclosure of the test results and regulating the packaging and labelling of tobacco products, is one of the pillars of any comprehensive tobacco control programme. The WHO Framework Convention on Tobacco Control (WHO FCTC), a binding international treaty, acknowledges the importance of tobacco product regulation in Articles 9, 10 and 11, and Parties to the Convention are bound by the provisions of those articles.

A WHO scientific advisory group on tobacco product regulation was established in 2000 to fill the gaps in knowledge that existed at the time. The scientific information provided by that group served as a basis for the negotiations and the subsequent consensus reached on the language of those three articles of the Convention.

In November 2003, in recognition of the critical importance of regulating tobacco products, the WHO Director-General formalized the ad hoc Scientific Advisory Committee on Tobacco Product Regulation by changing its status to that of a study group, which became the WHO Study Group on Tobacco Product Regulation (TobReg). The Group is composed of national and international scientific experts on product regulation, treatment of tobacco dependence and

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 27480

