

# WHO Initiative to Estimate the Global Burden of Foodborne Diseases

Fifth formal meeting of the Foodborne Disease Burden Epidemiology Reference Group (FERG)



8-12 April 2013, Geneva, Switzerland

DEPARTMENT OF FOOD SAFETY AND ZOONOSES



#### WHO Initiative to Estimate the Global Burden of Foodborne Diseases

Fifth formal meeting of the Foodborne Disease Burden Epidemiology Reference Group (FERG)

8-12 April 2013, Geneva, Switzerland

DEPARTMENT OF FOOD SAFETY AND ZOONOSES HEALTH SECURITY AND ENVIRONMENT



WHO Library Cataloguing-in-Publication Data:

WHO initiative to estimate the global burden of foodborne diseases: fifth formal meeting of the Foodborne Disease Burden Epidemiology Reference Group (FERG), 8-12 April 2013, Geneva, Switzerland.

1.Food Contamination. 2.Foodborne Diseases - epidemiology. 3.Cost of Illness. I.World Health Organization.

ISBN 978 92 4 150796 7

(NLM classification: WA 701)

#### © World Health Organization 2014

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.

The named authors alone are responsible for the views expressed in this publication.

Printed in Switzerland

### Contents

Acknowledgments			
Acronyms and abbreviations used in this document			
Declarations of Interest			
Definitions			
1	Introduction	10	
2	Objectives and organizational structure of FERG	11	
3	Global Burden of Disease Study 2010	12	
4	Enteric Disease Task Force	14	
5	Chemicals and Toxins Task Force	21	
6	Parasitic Diseases Task Force	27	
7	Source Attribution Task Force	30	
8	Computational Task Force	34	
9	Country Studies Task Force and Knowledge Translation and Policy Group	39	
10	Conclusions	42	
Referen	References		
Annex 1. List of participants			

#### Acknowledgments

The Department of Food Safety and Zoonoses (FOS), World Health Organization (WHO), Geneva, Switzerland, wishes to express its sincere thanks to all those who contributed towards the success of this meeting.

First and foremost we wish to thank all participants for their valuable technical input and their collegiality during the meeting. We are particularly grateful to Dr Arie Havelaar for his outstanding chairmanship of this meeting, as well as to the Chairs of the FERG Task Forces – Dr Fred Angulo, Dr Herman Gibb, Dr Tine Hald, Dr Robin Lake and Dr Paul Torgerson, for their excellent leadership. A very special thanks goes to Juanita Haagsma for her diligent and excellent rapporteuring of the meeting as well as to Chrystelle Daffara for leading the administrative arrangements.

## Acronyms and abbreviations used in this document

CDC Centers for Disease Control and Prevention (of the USA)

CHERG Child Health Epidemiology Reference Group

CSTF Country Studies Task Force
CTF Computational Task Force

CTTF Chemicals and Toxins Task Force

DALY disability-adjusted life year

EDTF Enteric Disease Task Force

EFSA European Food Safety Authority

EPEC enteropathogenic Escherichia coli ETEC enterotoxigenic Escherichia coli

FBD foodborne disease

FERG Foodborne Disease Burden Epidemiology Reference Group

GBD Global Burden of Disease

GEMS Global Environment Monitoring System
GFN Global Foodborne Infections Network

GFR glomerular filtration rate
GUI graphic user interface

IHME Institute of Health Metrics and Evaluation

IQ intelligence quotient

KTPG Knowledge Translation and Policy Group

MAL-ED Interactions of Malnutrition & Enteric Infections: Consequences

for Child Health and Development

PDTF Parasitic Diseases Task Force SATF Source Attribution Task Force

SD standard deviation

STEC Shiga-toxin-producing Escherichia coli

TF task force

WHO World Health Organization
YLD years lived with disability

YLL years of life lost

#### Declarations of Interest

All experts and resource advisers invited to participate in the meeting completed beforehand the WHO standard form for declaration of interests. At the start of the meeting, all participants were asked to confirm their interests, and to provide any additional information relevant to the subject matter of the meeting. No conflicts of interest were identified.

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\_27887



