

World report on violence and health

Edited by
Etienne G. Krug, Linda L. Dahlberg, James A. Mercy,
Anthony B. Zwi and Rafael Lozano



World Health Organization
Geneva
2002

WHO Library Cataloguing-in-Publication Data

World report on violence and health / edited by Etienne G. Krug ... [et al.].

1.Violence 2.Domestic violence 3.Suicide 4.Sex offenses 5.War
6.Public health 7.Risk factors I.Krug, Etienne G.

ISBN 92 4 154561 5 (NLM classification: HV 6625)

Suggested citation: Krug EG et al., eds. *World report on violence and health*. Geneva, World Health Organization, 2002.

Photograph of Nelson Mandela reproduced with permission from the African National Congress.

The World Health Organization welcomes requests for permission to reproduce or translate its publications, in part or in full. Applications and enquiries should be addressed to the Office of Publications, World Health Organization, Geneva, Switzerland, which will be glad to provide the latest information on any changes made to the text, plans for new editions, and reprints and translations already available.

© **World Health Organization 2002**

Publications of the World Health Organization enjoy copyright protection in accordance with the provisions of Protocol 2 of the Universal Copyright Convention. All rights reserved.

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 Secretariat 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.

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.

Where the designation "country or area" appears in the headings of tables, it covers countries, territories, cities or areas.

Designed by minimum graphics
Typeset and printed in Switzerland

2002/14323—Stratcom—20 000

Contents

Foreword	ix
Preface	xi
Contributors	xiii
Acknowledgements	xvii
Introduction	xix
Chapter 1. Violence – a global public health problem	1
Background	3
The visible and the invisible	3
A preventable problem	3
What can a public health approach contribute?	3
Defining violence	5
Intentionality	5
Typology of violence	6
Types of violence	6
The nature of violent acts	6
Measuring violence and its impact	7
Types of data	7
Sources of data	8
Problems with collecting data	8
An overview of current knowledge	9
Estimates of mortality	9
Estimates of non-fatal violence	11
The costs of violence	11
Examining the roots of violence: an ecological model	12
Multiple levels	12
Complex linkages	13
How can violence be prevented?	15
Types of prevention	15
Multifaceted responses	16
Documenting effective responses	16
Balancing public health action	16
Addressing cultural norms	16
Actions against violence at all levels	16
Problems for national decision-makers	17
Conclusion	19
References	19

Chapter 2. Youth violence	23
Background	25
The extent of the problem	25
Youth homicide rates	25
Trends in youth homicides	26
Non-fatal violence	27
Risk behaviours for youth violence	29
The dynamics of youth violence	30
How does youth violence begin?	30
Situational factors	31
What are the risk factors for youth violence?	32
Individual factors	32
Relationship factors	33
Community factors	34
Societal factors	36
What can be done to prevent youth violence?	38
Individual approaches	38
Relationship approaches	41
Community-based efforts	43
Societal approaches	45
Recommendations	47
Establishing data collection systems	47
More scientific research	47
Developing prevention strategies	48
Disseminating knowledge	48
Conclusion	49
References	49
Chapter 3. Child abuse and neglect by parents and other caregivers	57
Background	59
How are child abuse and neglect defined?	59
Cultural issues	59
Types of abuse	59
The extent of the problem	60
Fatal abuse	60
Non-fatal abuse	60
What are the risk factors for child abuse and neglect?	65
Factors increasing a child's vulnerability	66
Caregiver and family characteristics	66
Community factors	68
Societal factors	68
The consequences of child abuse	69
Health burden	69
Financial burden	70
What can be done to prevent child abuse and neglect?	70
Family support approaches	70

Health service approaches	72
Therapeutic approaches	73
Legal and related remedies	74
Community-based efforts	75
Societal approaches	76
Recommendations	78
Better assessment and monitoring	78
Better response systems	78
Policy development	78
Better data	78
More research	80
Documentation of effective responses	80
Improved training and education for professionals	80
Conclusion	80
References	81
Chapter 4. Violence by intimate partners	87
Background	89
The extent of the problem	89
Measuring partner violence	91
Partner violence and murder	93
Traditional notions of male honour	93
The dynamics of partner violence	93
How do women respond to abuse?	95
What are the risk factors for intimate partner violence?	96
Individual factors	97
Relationship factors	99
Community factors	99
Societal factors	100
The consequences of intimate partner violence	100
Impact on health	100
Economic impact of violence	102
Impact on children	103
What can be done to prevent intimate partner violence?	103
Support for victims	104
Legal remedies and judicial reforms	104
Treatment for abusers	106
Health service interventions	106
Community-based efforts	107
Principles of good practice	109
Action at all levels	110
Women's involvement	111
Changing institutional cultures	111
A multisectoral approach	111
Recommendations	111
Research on intimate partner violence	112
Strengthening informal sources of support	112

Making common cause with other social programmes	112
Investing in primary prevention	113
Conclusion	113
References	113
Chapter 5. Abuse of the elderly	123
Background	125
How is elder abuse defined?	126
Traditional societies	127
The extent of the problem	129
Domestic settings	129
Institutional settings	129
What are the risk factors for elder abuse?	130
Individual factors	130
Relationship factors	131
Community and societal factors	131
The consequences of elder abuse	132
Domestic settings	132
Institutions	133
What can be done to prevent elder abuse?	134
Responses at national level	134
Local responses	136
Recommendations	141
Greater knowledge	141
Stronger laws	142
More effective prevention strategies	142
Conclusion	143
References	143
Chapter 6. Sexual violence	147
Background	149
How is sexual violence defined?	149
Forms and contexts of sexual violence	149
The extent of the problem	150
Sources of data	150
Estimates of sexual violence	150
Sexual violence in schools, health care settings, armed conflicts and refugee settings	155
“Customary” forms of sexual violence	156
What are the risk factors for sexual violence?	157
Factors increasing women’s vulnerability	157
Factors increasing men’s risk of committing rape	159
Peer and family factors	160
Community factors	161
Societal factors	161

The consequences of sexual violence	162
Pregnancy and gynaecological complications	162
Sexually transmitted diseases	163
Mental health	163
Suicidal behaviour	163
Social ostracization	163
What can be done to prevent sexual violence?	165
Individual approaches	165
Developmental approaches	166
Health care responses	166
Community-based efforts	168
Legal and policy responses	169
Actions to prevent other forms of sexual violence	170
Recommendations	172
More research	172
Determining effective responses	173
Greater attention to primary prevention	173
Addressing sexual abuse within the health sector	173
Conclusion	174
References	174
Chapter 7. Self-directed violence	183
Background	185
How is suicide defined?	185
The extent of the problem	186
Fatal suicidal behaviour	186
Non-fatal suicidal behaviour and ideation	189
What are the risk factors for suicidal behaviour?	191
Psychiatric factors	192
Biological and medical markers	193
Life events as precipitating factors	194
Social and environmental factors	196
What can be done to prevent suicides?	199
Treatment approaches	199
Behavioural approaches	199
Relationship approaches	200
Community-based efforts	201
Societal approaches	202
Intervention after a suicide	203
Policy responses	204
Recommendations	204
Better data	204
Further research	205
Better psychiatric treatment	205
Environmental changes	205
Strengthening community-based efforts	206
Conclusion	206
References	206

Chapter 8. Collective violence	213
Background	215
How is collective violence defined?	215
Forms of collective violence	215
Data on collective violence	217
Sources of data	217
Problems with data collection	217
The extent of the problem	217
Casualties of conflicts	218
The nature of conflicts	218
What are the risk factors for collective violence?	220
Political and economic factors	220
Societal and community factors	221
Demographic factors	222
Technological factors	222
The consequences of collective violence	222
Impact on health	222
Impact on specific populations	225
Demographic impact	225
Socioeconomic impact	226
What can be done to prevent collective violence?	228
Reducing the potential for violent conflicts	228
Responses to violent conflicts	229
Documentation, research and dissemination of information	232
Recommendations	233
Information and understanding	234
Preventing violent conflicts	234
Peacekeeping	236
Health sector responses	236
Humanitarian responses	236
Conclusion	236
References	237
Chapter 9. The way forward: recommendations for action	241
Background	243
Responding to violence: what is known so far?	243
Major lessons to date	243
Why should the health sector be involved?	245
Assigning responsibilities and priorities	246
Recommendations	246
Conclusion	254
References	254
Statistical annex	255
Resources	325
Index	331

Foreword



The twentieth century will be remembered as a century marked by violence. It burdens us with its legacy of mass destruction, of violence inflicted on a scale never seen and never possible before in human history. But this legacy – the result of new technology in the service of ideologies of hate – is not the only one we carry, nor that we must face up to.

Less visible, but even more widespread, is the legacy of day-to-day, individual suffering. It is the pain of children who are abused by people who should protect them, women injured or humiliated by violent partners, elderly persons maltreated by their caregivers, youths who are bullied by other youths, and people of all ages who inflict violence on themselves. This suffering – and there are many more examples that I could give – is a legacy that reproduces itself, as new generations learn from the violence of generations past, as victims learn from victimizers, and as the social conditions that nurture violence are allowed to continue. No country, no city, no community is immune. But neither are we powerless against it.

Violence thrives in the absence of democracy, respect for human rights and good governance. We often talk about how a “culture of violence” can take root. This is indeed true – as a South African who has lived through apartheid and is living through its aftermath, I have seen and experienced it. It is also true that patterns of violence are more pervasive and widespread in societies where the authorities endorse the use of violence through their own actions. In many societies, violence is so dominant that it thwarts hopes of economic and social development. We cannot let that continue.

Many who live with violence day in and day out assume that it is an intrinsic part of the human condition. But this is not so. Violence can be prevented. Violent cultures can be turned around. In my own country and around the world, we have shining examples of how violence has been countered. Governments, communities and individuals can make a difference.

I welcome this first *World report on violence and health*. This report makes a major contribution to our understanding of violence and its impact on societies. It illuminates the different faces of violence, from the “invisible” suffering of society’s most vulnerable individuals to the all-too-visible tragedy of societies in conflict. It advances our analysis of the factors that lead to violence, and the possible responses of different sectors of society. And in doing so, it reminds us that safety and security don’t just happen: they are the result of collective consensus and public investment.

The report describes and makes recommendations for action at the local, national and international levels. It will thus be an invaluable tool for policy-makers, researchers, practitioners, advocates and volunteers involved in violence prevention. While violence traditionally has been the domain of the criminal justice system, the report strongly makes the case for involving all sectors of society in prevention efforts.

We owe our children – the most vulnerable citizens in any society – a life free from violence and fear. In order to ensure this, we must be tireless in our efforts not only to attain peace, justice and prosperity for countries, but also for communities and members of the same family. We must address the roots of violence. Only then will we transform the past century’s legacy from a crushing burden into a cautionary lesson.

Nelson Mandela

Preface



Violence pervades the lives of many people around the world, and touches all of us in some way. To many people, staying out of harm's way is a matter of locking doors and windows and avoiding dangerous places. To others, escape is not possible. The threat of violence is behind those doors – well hidden from public view. And for those living in the midst of war and conflict, violence permeates every aspect of life.

This report, the first comprehensive summary of the problem on a global scale, shows not only the human toll of violence – over 1.6 million lives lost each year and countless more damaged in ways that are not always apparent – but exposes the many faces of interpersonal, collective and self-directed violence, as well as the settings in which violence occurs. It shows that where violence persists, health is seriously compromised.

The report also challenges us in many respects. It forces us to reach beyond our notions of what is acceptable and comfortable – to challenge notions that acts of violence are simply matters of family privacy, individual choice, or inevitable facets of life. Violence is a complex problem related to patterns of thought and behaviour that are shaped by a multitude of forces within our families and communities, forces that can also transcend national borders. The report urges us to work with a range of partners and to adopt an approach that is proactive, scientific and comprehensive.

We have some of the tools and knowledge to make a difference – the same tools that have successfully been used to tackle other health problems. This is evident throughout the report. And we have a sense of where to apply our knowledge. Violence is often predictable and preventable. Like other health problems, it is not distributed evenly across population groups or settings. Many of the factors that increase the risk of violence are shared across the different types of violence and are modifiable.

One theme that is echoed throughout this report is the importance of primary prevention. Even small investments here can have large and long-lasting benefits, but not without the resolve of leaders and support for prevention efforts from a broad array of partners in both the public and private spheres, and from both industrialized and developing countries.

Public health has made some remarkable achievements in recent decades, particularly with regard to reducing rates of many childhood diseases. However, saving our children from these diseases only to let them fall victim to violence or lose them later to acts of violence between intimate partners, to the savagery of war and conflict, or to self-inflicted injuries or suicide, would be a failure of public health.

While public health does not offer all of the answers to this complex problem, we are determined to play our role in the prevention of violence worldwide. This report will contribute to shaping the global response to violence and to making the world a safer and healthier place for all. I invite you to read the report carefully, and to join me and the many violence prevention experts from around the world who have contributed to it in implementing its vital call for action.

Gro Harlem Brundtland
Director-General
World Health Organization

Contributors

Editorial guidance

Editorial Committee

Etienne G. Krug, Linda L. Dahlberg, James A. Mercy, Anthony B. Zwi, Rafael Lozano.

Executive Editor

Linda L. Dahlberg.

Advisory Committee

Nana Apt, Philippe Biberson, Jacquelyn Campbell, Radhika Coomaraswamy, William Foege, Adam Graycar, Rodrigo Guerrero, Marianne Kastrup, Reginald Moreels, Paulo Sergio Pinheiro, Mark L. Rosenberg, Terezinha da Silva, Mohd Sham Kasim.

WHO Secretariat

Ahmed Abdullatif, Susan Bassiri, Assia Brandrup-Lukanow, Alberto Concha-Eastman, Colette Dehlot, Antonio Pedro Filipe, Viviana Mangiaterra, Hisahi Ogawa, Francesca Racioppi, Sawat Ramaboot, Pang Ruyan, Gyanendra Sharma, Safia Singhateh, Yasuhiro Suzuki, Nerayo Tecklemichael, Tomris Turmen, Madan Upadhyay, Derek Yach.

Regional consultants

WHO African Region

Nana Apt, Niresh Bhagwandin, Chiane Esther, Helena Zacarias Pedro Garinne, Rachel Jewkes, Naira Khan, Romilla Maharaj, Sandra Marais, David Nyamwaya, Philista Onyango, Welile Shasha, Safia Singhateh, Isseu Diop Touré, Greer van Zyl.

WHO Region of the Americas

Nancy Cardia, Arturo Cervantes, Mariano Ciafardini, Carme Clavel-Arcas, Alberto Concha-Eastman, Carlos Fletes, Yvette Holder, Silvia Narvaez, Mark L. Rosenberg, Ana Maria Sanjuan, Elizabeth Ward.

WHO South-East Asia Region

Srikala Bharath, Vijay Chandra, Gopalakrishna Gururaj, Churnrutai Kanchanachitra, Mintarsih Latief, Panpimol Lotrakul, Imam Mochny, Dinesh Mohan, Thelma Narayan, Harsaran Pandey, Sawat Ramaboot, Sanjeeva Ranawera, Poonam Khetrpal Singh, Prawate Tantipiwatanaskul.

WHO European Region

Franklin Apfel, Assia Brandrup-Lukanow, Kevin Browne, Gani Demolli, Joseph Goicoechea, Karin Helweg-Larsen, Mária Herczog, Joseph Kasonde, Kari Killen, Viviana Mangiaterra, Annemiek Richters, Tine Rikke, Elisabeth Schauer, Berit Schei, Jan Theunissen, Mark Tsechkovski, Vladimir Verbitski, Isabel Yordi.

WHO Eastern Mediterranean Region

Saadia Abenaou, Ahmed Abdullatif, Abdul Rahman Al-Awadi, Shiva Dolatabadi, Albert Jokhadar, Hind Khattab, Lamis Nasser, Asma Fozia Qureshi, Sima Samar, Mervat Abu Shabana.

WHO Western Pacific Region

Liz Eckermann, Mohd Sham Kasim, Bernadette Madrid, Pang Ruyan, Wang Yan, Simon Yanis.

Authors and reviewers

Chapter 1. Violence — a global public health problem

Authors: Linda L. Dahlberg, Etienne G. Krug.

Boxes: Alberto Concha-Eastman, Rodrigo Guerrero (1.1); Alexander Butchart (1.2); Vittorio Di Martino (1.3).

Chapter 2. Youth violence

Authors: James A. Mercy, Alexander Butchart, David Farrington, Magdalena Cerdá.

Boxes: Magdalena Cerdá (2.1); Alexander Butchart (2.2).

Peer reviewers: Nancy Cardia, Alberto Concha-Eastman, Adam Graycar, Kenneth E. Powell, Mohamed Seedat, Garth Stevens.

Chapter 3. Child abuse and neglect by parents and other caregivers

Authors: Desmond Runyan, Corrine Wattam, Robin Ikeda, Fatma Hassan, Laurie Ramiro.

Boxes: Desmond Runyan (3.1); Akila Belembaogo, Peter Newell (3.2); Philista Onyango (3.3); Magdalena Cerdá, Mara Bustelo, Pamela Coffey (3.4).

Peer reviewers: Tilman Furniss, Fu-Yong Jiao, Philista Onyango, Zelided Alma de Ruiz.

Chapter 4. Violence by intimate partners

Authors: Lori Heise, Claudia Garcia-Moreno.

Boxes: Mary Ellsberg (4.1); Pan American Health Organization (4.2); Lori Heise (4.3).

Peer reviewers: Jill Astbury, Jacquelyn Campbell, Radhika Coomaraswamy, Terezinha da Silva.

Chapter 5. Abuse of the elderly

Authors: Rosalie Wolf, Lia Daichman, Gerry Bennett.

Boxes: HelpAge International Tanzania (5.1); Yuko Yamada (5.2); Elizabeth Podnieks (5.3).

Peer reviewers: Robert Agyarko, Nana Apt, Malgorzata Halicka, Jordan Kosberg, Alex Yui-Huen Kwan, Siobhan Laird, Ariela Lowenstein.

Chapter 6. Sexual violence

Authors: Rachel Jewkes, Purna Sen, Claudia Garcia-Moreno.

Boxes: Rachel Jewkes (6.1); Ivy Josiah (6.2); Fatma Khafagi (6.3); Nadine France, Maria de Bruyn (6.4).

Peer reviewers: Nata Duvvury, Ana Flávia d'Oliveira, Mary P. Koss, June Lopez, Margarita Quintanilla Gordillo, Pilar Ramos-Jimenez.

Chapter 7. Self-directed violence

Authors: Diego DeLeo, José Bertolote, David Lester.

Boxes: Ernest Hunter, Antoon Leenaars (7.1); Danuta Wasserman (7.2).

Peer reviewers: Annette Beautrais, Michel Grivna, Gopalakrishna Gururaj, Ramune Kalediene, Arthur Kleinman, Paul Yip.

Chapter 8. Collective violence

Authors: Anthony B. Zwi, Richard Garfield, Alessandro Loretto.

Boxes: James Welsh (8.1); Joan Serra Hoffman, Jose Teruel, Sylvia Robles, Alessandro Loretto (8.2); Rachel Brett (8.3).

Peer reviewers: Suliman Baldo, Robin Coupland, Marianne Kastrup, Arthur Kleinman, David Meddings, Paulo Sergio Pinheiro, Jean Rigal, Michael Toole.

Chapter 9. The way forward: recommendations for action

Authors: Etienne G. Krug, Linda L. Dahlberg, James A. Mercy, Anthony B. Zwi, Andrew Wilson.

Boxes: Tyrone Parks, Shereen Usdin, Sue Goldstein (9.1); Joan Serra Hoffman, Rodrigo Guerrero, Alberto Concha-Eastman (9.2); Laura Sminkey, Etienne G. Krug (9.3).

Statistical annex

Colin Mathers, Mie Inoue, Yaniss Guigoz, Rafael Lozano, Lana Tomaskovic.

Resources

Laura Sminkey, Alexander Butchart, Andrés Villaveces, Magdalena Cerdá.

Acknowledgements

The World Health Organization and the Editorial Committee would like to pay a special tribute to the principal author of the chapter on abuse of the elderly, Rosalie Wolf, who passed away in June 2001. She made an invaluable contribution to the care and protection of the elderly from abuse and neglect, and showed an enduring commitment to this particularly vulnerable and often voiceless population.

The World Health Organization acknowledges with thanks the many authors, peer reviewers, advisers and consultants whose dedication, support and expertise made this report possible.

The report also benefited from the contributions of a number of other people. In particular, acknowledgement is made to Tony Kahane, who revised the draft manuscript, and to Caroline Allsopp and Angela Haden, who edited the final text. Thanks are also due to the following: Sue Armstrong and Andrew Wilson for preparing the summary of the report; Laura Sminkey, for providing invaluable assistance to the Editorial Committee in the day-to-day management and coordination of the project; Marie Fitzsimmons, for editorial assistance; Catherine Currat, Karin Engstrom, Nynke Poortinga, Gabriella Rosen and Emily Rothman, for research assistance; Emma Fitzpatrick, Helen Green, Reshma Prakash, Angela Raviglione, Sabine van Tuyll van Serooskerken and Nina Vugman, for communications; and Simone Colairo, Pascale Lanvers, Angela Swetloff-Coff and Stella Tabengwa, for administrative support.

The World Health Organization also wishes to thank the California Wellness Foundation, the Global Forum for Health Research, the Governments of Belgium, Finland, Japan, Sweden and the United Kingdom, the Rockefeller Foundation and the United States Centers for Disease Control and Prevention, for their generous financial support for the development and publication of this report.

Introduction

In 1996, the Forty-Ninth World Health Assembly adopted Resolution WHA49.25, declaring violence a major and growing public health problem across the world (see Box overleaf for full text).

In this resolution, the Assembly drew attention to the serious consequences of violence – both in the short-term and the long-term – for individuals, families, communities and countries, and stressed the damaging effects of violence on health care services.

The Assembly asked Member States to give urgent consideration to the problem of violence within their own borders, and requested the Director-General of the World Health Organization (WHO) to set up public health activities to deal with the problem.

This, the first *World report on violence and health*, is an important part of WHO's response to Resolution WHA49.25. It is aimed mainly at researchers and practitioners. The latter include health care workers, social workers, those involved in developing and implementing prevention programmes and services, educators and law enforcement officials. A summary of the report is also available.¹

Goals

The goals of the report are to raise awareness about the problem of violence globally, and to make the case that violence is preventable and that public health has a crucial role to play in addressing its causes and consequences.

More specific objectives are to:

- describe the magnitude and impact of violence throughout the world;
- describe the key risk factors for violence;
- give an account of the types of intervention and policy responses that have been tried and summarize what is known about their effectiveness;
- make recommendations for action at local, national and international levels.

Topics and scope

This report examines the types of violence that are present worldwide, in the everyday lives of people, and that constitute the bulk of the health burden imposed by violence. Accordingly, the information has been arranged in nine chapters, covering the following topics:

1. Violence – a global public health problem
2. Youth violence
3. Child abuse and neglect by parents and other caregivers
4. Violence by intimate partners

¹ *World report on violence and health: a summary*. Geneva, World Health Organization, 2002.

Preventing violence: a public health priority (Resolution WHA49.25)

The Forty-ninth World Health Assembly,

Noting with great concern the dramatic worldwide increase in the incidence of intentional injuries affecting people of all ages and both sexes, but especially women and children;

Endorsing the call made in the Declaration of the World Summit for Social Development for the introduction and implementation of specific policies and programmes of public health and social services to prevent violence in society and mitigate its effect;

Endorsing the recommendations made at the International Conference on Population and Development (Cairo, 1994) and the Fourth World Conference on Women (Beijing, 1995) urgently to tackle the problem of violence against women and girls and to understand its health consequences;

Recalling the United Nations Declaration on the elimination of violence against women;

Noting the call made by the scientific community in the Melbourne Declaration adopted at the Third International Conference on Injury Prevention and Control (1996) for increased international cooperation in ensuring the safety of the citizens of the world;

Recognizing the serious immediate and future long-term implications for health and psychological and social development that violence represents for individuals, families, communities and countries;

Recognizing the growing consequences of violence for health care services everywhere and its detrimental effect on scarce health care resources for countries and communities;

Recognizing that health workers are frequently among the first to see victims of violence, having a unique technical capacity and benefiting from a special position in the community to help those at risk;

Recognizing that WHO, the major agency for coordination of international work in public health, has the responsibility to provide leadership and guidance to Member States in developing public health programmes to prevent self-inflicted violence and violence against others;

1. DECLARES that violence is a leading worldwide public health problem;
2. URGES Member States to assess the problem of violence on their own territory and to communicate to WHO their information about this problem and their approach to it;
3. REQUESTS the Director-General, within available resources, to initiate public health activities to address the problem of violence that will:
 - (1) characterize different types of violence, define their magnitude and assess the causes and the public health consequences of violence using also a "gender perspective" in the analysis;
 - (2) assess the types and effectiveness of measures and programmes to prevent violence and mitigate its effects, with particular attention to community-based initiatives;
 - (3) promote activities to tackle this problem at both international and country level including steps to:
 - (a) improve the recognition, reporting and management of the consequences of violence;
 - (b) promote greater intersectoral involvement in the prevention and management of violence;
 - (c) promote research on violence as a priority for public health research;
 - (d) prepare and disseminate recommendations for violence prevention programmes in nations, States and communities all over the world;

(continued)

- (4) ensure the coordinated and active participation of appropriate WHO technical programmes;
 - (5) strengthen the Organization's collaboration with governments, local authorities and other organizations of the United Nations system in the planning, implementation and monitoring of programmes of violence prevention and mitigation;
4. FURTHER REQUESTS the Director-General to present a report to the ninety-ninth session of the Executive Board describing the progress made so far and to present a plan of action for progress towards a science-based public health approach to violence prevention.

- 5. Abuse of the elderly
- 6. Sexual violence
- 7. Self-directed violence
- 8. Collective violence
- 9. The way forward: recommendations for action

Because it is impossible to cover all types of violence fully and adequately in a single document, each chapter has a specific focus. For example, the chapter on youth violence examines interpersonal violence among adolescents and young adults in the community. The chapter on child abuse discusses physical, sexual and psychological abuse, as well as neglect by parents and other caregivers; other forms of maltreatment of children, such as child prostitution and the use of children as soldiers, are covered in other parts of the report. The chapter on abuse of the elderly focuses on abuse by caregivers in domestic and institutional settings, while that on collective violence discusses violent conflict. The chapters on intimate partner violence and sexual violence focus primarily on violence against women, though some discussion of violence directed at men and boys is included in the chapter on sexual violence. The chapter on self-directed violence focuses primarily on suicidal behaviour. The chapter is included in the report because suicidal behaviour is one of the external causes of injury and is often the product of many of the same underlying social, psychological and environmental factors as other types of violence.

The chapters follow a similar structure. Each begins with a brief discussion of definitions for the specific type of violence covered in the chapter, followed by a summary of current knowledge about the extent of the problem in different regions of the world. Where possible, country-level data are presented, as well as findings from a range of research studies. The chapters then describe the causes and consequences of violence, provide summaries of the interventions and policy responses that have been tried, and make recommendations for future research and action. Tables, figures and boxes are included to highlight specific epidemiological patterns and findings, illustrate examples of prevention activities, and draw attention to specific issues.

The report concludes with two additional sections: a statistical annex and a list of Internet resources. The statistical annex contains global, regional and country data derived from the WHO mortality and morbidity database and from Version 1 of the WHO Global Burden of Disease project for 2000. A description of data sources and methods is provided in the annex to explain how these data were collected and analysed.

The list of Internet resources includes web site addresses for organizations involved in violence research, prevention and advocacy. The list includes metasites (each site offers access to hundreds of organizations involved in violence research, prevention and advocacy), web sites that focus on specific types of violence, web sites that address broader contextual issues related to violence, and web sites that offer surveillance tools for improving the understanding of violence.

How the report was developed

This report benefited from the participation of over 160 experts from around the world, coordinated by a small Editorial Committee. An Advisory Committee, comprising representatives of all the WHO regions, and members of WHO staff, provided guidance to the Editorial Committee at various stages during the writing of the report.

Chapters were peer-reviewed individually by scientists from different regions of the world. These reviewers were asked to comment not only on the scientific content of the chapter but also on the relevance of the chapter within their own culture.

As the report progressed, consultations were held with members of the WHO regional offices and diverse groups of experts from all over the world. Participants reviewed an early draft of the report, providing an overview of the problem of violence in their regions and making suggestions on what was needed to advance regional violence prevention activities.

Moving forward

This report, while comprehensive and the first of its kind, is only a beginning. It is hoped that the report will stimulate discussion at local, national and international levels and that it will provide a platform for increased action towards preventing violence.