“World Heart Federation, Emerging Leaders and Roadmaps for improving access to essential cardiovascular medicines"

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A global strategy for prevention of non-communicable diseases
A **global** strategy for prevention of cardiovascular disease

Resolution adopted by the UN General Assembly to reduce premature Non-Communicable Disease deaths by 25% by 2025

“25 by 25”
Formal Meeting of Member States to conclude the work on the comprehensive global monitoring framework including indicators and a set of voluntary targets for the prevention and control of NCDs (Geneva, 5-7 November 2012)

Set of 9 voluntary global NCD targets for 2025

Lifestyle targets
- Physical inactivity: 10% reduction
- Harmful use of alcohol: 80% reduction

Risk factor targets
- Salt/sodium intake: 30% reduction
- Tobacco use: 30% reduction
- Raised blood pressure: 25% reduction
- Diabetes: 50% increase
- Drug therapy: 50% coverage
- Essential health services and technologies: 80% coverage

Medicine targets
The lifestyle targets

Tobacco
- 30% reduction in prevalence of current tobacco use in persons aged 15+ years

Physical activity
- 10% relative reduction of insufficient physical activity

Alcohol
- At least 10% reduction in the harmful use of alcohol

Salt
- 30% relative reduction in the mean population intake of salt
The risk factor targets

Set of 9 voluntary global NCD targets for 2025

- **Raised blood pressure**
  - 25% relative reduction in the prevalence of raised blood pressure

- **Diabetes and obesity**
  - Halt the rise in diabetes and obesity
The medicine targets

Essential medicines and technologies
80% availability of affordable basic technologies and essential medicines including generics

Drug therapy to prevent heart attacks and strokes
At least 50% of eligible people receive drug therapy and counseling (including glycaemic control) to prevent heart attacks and strokes
WHO Non Communicable Disease Action Plan 2013 – 2020

The vision

A world free of avoidable burden of non-communicable diseases
The vision of the World Heart Federation is to work with its members and the larger CV health community to hasten the day when cardiovascular health is no longer a privilege but a right.
Vision of WHF

Political advocacy for cardiovascular health through WHO and other UN agencies and through our members to national governments
WHO Executive Board recommended a Resolution on 'Rheumatic Fever and Rheumatic Heart Disease' for adoption at the World Health Assembly in May 2018.
Unique position of the WHF

1. WHF is the lead partner to WHO and other global agencies for cardiovascular disease.

2. WHF is the only global organization representing the entire cardiovascular health community in high, medium and low income countries.

3. WHF is uniquely placed to align its members for a coordinated response to the WHO NCD target of 25x25.

4. WHF is convening the wider cardiovascular community through Global Summits on Circulatory Health to work together for 25x25.
The HEARTS technical package represents a strategic and practical approach to reducing the number of premature deaths from cardiovascular disease (CVD). The aim is to improve clinical preventive services in primary health care using highly effective, scalable, sustainable and proven interventions. It involves a public health approach to CVD management that will improve access, particularly in settings with significant resource limitations, by systematically addressing barriers to care. The main conceptual shift is the use of a protocol-driven approach to simplify, standardize and support the scaling-up of integrated CVD management in countries. The public health approach involves:
United Nations General Assembly 2016
New York
September
22nd

Margaret Chan
Michael Bloomberg

WHO Global Hearts 2016
WHO Global Hearts 2016

Prevention and control of cardiovascular disease in primary care

World Heart Federation,
World Stroke Organisation,
World Hypertension League
International Society of Hypertension
Centre for Disease Control
WHO Global Hearts 2016

Technical Package
WHO Global Hearts 2016

- Healthy lifestyle
- Evidence based treatment protocols
- Access to essential medicines and technologies
- Risk based management
- Team care and task sharing
- Systems for monitoring
WHO Global Hearts 2016 with Centre for Disease Control

General practitioners, nurses and other health workers

World Heart Federation,
World Stroke Organisation,
World Hypertension League
International Society of Hypertension
Centre for Disease Control
WHF Roadmaps for CVD Prevention
WHF Roadmaps for CVD Prevention

WHF Roadmap for Secondary Prevention of CVD
WHF Roadmap for Hypertension Control
WHF Roadmap for Tobacco Control
## Baseline condition and subsequent major CVD events

<table>
<thead>
<tr>
<th>Baseline Condition</th>
<th>Total no. with Condition (%)</th>
<th>Follow-up Major CVD N = 3,488 (2.23 %)</th>
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<tbody>
<tr>
<td>CVD</td>
<td>7,743 (5.1)</td>
<td>673 (19.3)</td>
</tr>
<tr>
<td>Hypert (History or 140/90)</td>
<td>62,034 (40.7)</td>
<td>2,317 (66.4)</td>
</tr>
<tr>
<td>Current Smoker</td>
<td>31,397 (20.6)</td>
<td>1,021 (29.4)</td>
</tr>
<tr>
<td>CVD, Hypert or Smoker</td>
<td>84,078 (55)</td>
<td>2,822 (80.9)</td>
</tr>
<tr>
<td>Diabetes (History or FPG &gt;7mmol)</td>
<td>16,071 (10.5)</td>
<td>905 (26.0)</td>
</tr>
<tr>
<td>CVD, Hypert, Smoker or Diabetes</td>
<td>88,326 (57.9)</td>
<td>2,929 (84.0)</td>
</tr>
</tbody>
</table>
Key Health Systems Requirements

- Human resources
- Healthcare delivery
- Physical resources
- Clinical resources
- Governance and advocacy
- Financing
- Information systems
- Patients and caregivers
Reducing Premature Cardiovascular Morbidity and Mortality in People With Atherosclerotic Vascular Disease

The World Heart Federation Roadmap for Secondary Prevention of Cardiovascular Disease

1. BACKGROUND
1.1. The importance of secondary cardiovascular prevention
Every year, around 35 million people have an acute coronary or cerebrovascular event. About one quarter of

BOX 2. Secondary prevention interventions

Priority secondary prevention medications:
- Aspirin
- ACE inhibitors
- Statins
WHR Roadmaps for CVD Prevention

WHF Roadmap for Rheumatic Fever
WHF Roadmap for Atrial Fibrillation
WHF Roadmap for Cholesterol
WHF Roadmap for Diabetes
WHF Roadmap for Heart Failure

Working together to make a difference
1. EDITOR'S PAGE Moving Forward the RHD Agenda at Global and National Levels
   David A. Watkins, Liesel J. Zühlke, and Jagat Narula

3. EDITORIAL COMMENT Can We Eliminate Rheumatic Fever and Premature Deaths From RHD?
   Salim Yusuf, Jagat Narula, and Habib Gamra

5. ORIGINAL RESEARCH The Health Systems Barriers and Facilitators for RHD Prevalence: An Epidemiological Meta-Analysis From Uganda and Tanzania
   Annesinah H. Maloi, Sumayo Mall, Mark E. Engel, Renae Stafford, Zhong Wan Zhu, Liesel J. Zühlke, and David A. Watkins

17. ORIGINAL RESEARCH Evaluation of Computer-Based Training for Health Workers in Echocardiography for RHD
   Daniel Engelman, Emmy Okello, Andrea Beaton, Gary Selnow, Bo Remenyi, Caroline Watson, Chris T. Longenecker, Craig Sable, and Andrew C. Steer
WHF Roadmaps for CVD Prevention

National Action Plans for CVD
WHO Global Hearts 2017
National pilots in middle and low income countries

- Barbados
- Colombia
- Ethiopia
- Kazakhstan
- Iran
- Nepal
- Philippines
- Uganda
World Heart Day
2017 Campaign