11:30-13:00 | Roundtable 6
NCDs and socio-economic development
(Amur Hall, Tower 2)
H.E Dr Leslie Ramsammy
Minister of Health
Guyana
Dr Cristian Baeza
Sector Director
Health, Nutrition and Population
World Bank
NCDs Impact and Response

George Alleyne
Regional Director Emeritus
Pan American Health Organization
• **The problem of NCDs in LMIC**
• **Ways that Governments and Development Partners need to respond**

*** Health impact
*** Economic impact
*** The human dimension
*** The response – governments-the state -development partners
NCDs as Percentages of totals

Deaths (All ages) | Deaths < 70 yrs | DALYS

DALYS- Disability life years


Death Counts

2005

2015

2030

DALYS- Disability life years

### Impact of Ht. disease, Stroke & Diabetes on income loss as % GDP

<table>
<thead>
<tr>
<th></th>
<th>Brazil</th>
<th>China</th>
<th>India</th>
<th>Russia</th>
<th>Can.</th>
<th>UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>.19%</td>
<td>.31%</td>
<td>.35%</td>
<td>1.13%</td>
<td>.07%</td>
<td>.10%</td>
</tr>
<tr>
<td>2015</td>
<td>.48%</td>
<td>1.18%</td>
<td>1.27%</td>
<td>5.34%</td>
<td>.15%</td>
<td>.32%</td>
</tr>
<tr>
<td>Mean</td>
<td>0.3%</td>
<td>0.7%</td>
<td>0.7%</td>
<td>2.7%</td>
<td>0.1%</td>
<td>0.2%</td>
</tr>
</tbody>
</table>

**Source:** Abegunde & Stanciole- WHO Working Paper, 200
• Human Impact

Impact on how people live, labor and love

Complications of NCD worse in LMIC primarily because of deficiencies in the health services
High prevalence of erectile dysfunction in diabetes (Yang, Pan & Lu; 75.2 % of 5477 Chinese men with Type 2 diabetes had ED)
• Lower extremity amputations per 1000 Diabetics

USA--2.5/1000
(National Diabetes Information clearing House)

Barbados--8.3/1000
(A. Hennis- Chronic Disease Research Center)
The response

See

- WHO: Action Plan for the Global Strategy for the Prevention and Control of NCDs
- Lancet: Priority actions for the noncommunicable disease crisis
- NCD Alliance: Proposed outcome document for the UNHLM
Rationale for government involvement

1) High negative externalities
2) Non-rational behavior (e.g., in children)
3) The need for information—a public good
4) Time inconsistent preferences (present gratification—distant damage)

Suhrcke, Nugent, Stuckler & Rocco. Chronic disease; an economic perspective. Oxford Health Alliance 2006
1. Leadership
   Continued global and national political commitment

2. Prevention
   Action on tobacco and other shared risk factors

Priority interventions for NCD

3. Treatment
   Access to affordable essential drugs in primary health care

4. International cooperation
   Commitment and funding

5. Monitoring progress and accountability

Source- Priority actions for the NCD crisis. Lancet, 2011
The response

• Governments-Leadership; leadership

4x4x4

4 Major commitments
4 Major NCDs
4 Risk factors
Leadership

Major Commitments

- Address risk factors seriously
- Strengthen health systems
- Provide essential medicines and technologies
- Monitoring, evaluation and accountability
Leadership

Address risk factors seriously

- TOBACCO, TOBACCO, TOBACCO!!!
- Diet-for the life course
- Harmful use of alcohol
- Physical inactivity
Roles of Development partners

- Funding
- Advocacy
- Technical assistance
US $ 22 Billion spent on health by International AID agencies in LMIC

Source: IDF

Global mortality From NCD

Overseas health aid

Source: IDF
Development Assistance for Health and Funding for NCDs

<table>
<thead>
<tr>
<th>Year</th>
<th>DAH (bn)</th>
<th>HIV, TB, Malaria (bn)</th>
<th>NCDs (bn)</th>
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</thead>
<tbody>
<tr>
<td>2004</td>
<td>0.24</td>
<td>0.40</td>
<td>0.24</td>
</tr>
<tr>
<td>2005</td>
<td>3.1</td>
<td>0.40</td>
<td>3.1</td>
</tr>
<tr>
<td>2006</td>
<td>18.1</td>
<td>4.2</td>
<td>18.1</td>
</tr>
<tr>
<td>2007</td>
<td>19.2</td>
<td>5.1</td>
<td>19.2</td>
</tr>
</tbody>
</table>

Source:
DAH – Calculated based on numbers by Ravishankar et al and CGD funding analysis.
NCDs: CGD Funding Analysis.
H.E. Dr Aminath Jameel
Minister of Health,
Maldives
H.E. Donville Inniss
Minister of Health
Barbados
Dr Allison Beattie
Head, Health Services

UK Department for International Development
Dr Mark Pearson
Head of Health Division
OECD
First Global Ministerial Conference on Healthy Lifestyles and Noncommunicable Disease Control
Moscow, 28-29 April 2011

Première Conférence ministérielle mondiale sur les modes de vie sains et la lutte contre les maladies non transmissibles
Moscou, 28 et 29 avril 2011

Primera Conferencia Ministerial Mundial sobre Modos de Vida Sanos y Control contra las Enfermedades No Transmisibles
Moscu, 28 y 29 de abril de 2011

المؤتمر الوزاري العالمي الأول حول أنماط الحياة الصحية ومكافحة الأمراض غير القناعية
موسكو، من 28 إلى 29 نيسان/أبريل 2011

Первая глобальная министерская конференция по здоровому образу жизни и неинфекционным заболеваниям
Москва, 28-29 апреля 2011 г.

First Global Ministerial Conference on Healthy Lifestyles and Noncommunicable Disease Control
Moscow, 28-29 April 2011
Dr Sania Nishtar
Founder and President, Heartfile
Pakistan
Thank you