Burden of NCDs in LAC by subregions and selected countries: The role of social determinants of health

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Methods

• Mortality data from 2001 – 2011 (23 countries)
  – Crude and age-adjusted rates (NCD: Cardiovascular, Cancer, Diabetes, Respiratory)
  – Proportional mortality, average % changes
  – Analysis by subregions and countries and sex

• WHO GBD selected indicators DALYS, YLL 2000-2012, region and 29 countries

• WB countries' income grouping

• Social determinants of health
Proportional mortality using the Global Burden of Disease (GBD) broad groups by subregion, Americas 2012

Age-adjusted mortality rates from NCD by Subregion 2001 and 2011

Age-adjusted mortality rates from NCD by sex
Subregion 2001 and 2011

Graphs by Subregion
Percentage change (%) of mortality from NCD between 2001 and 2011 by Sex and Subregion

Age-adjusted mortality rates from NCD by Country 2001 and 2011

Age-adjusted mortality rates from NCD by sex (Male) Country 2001 and 2011

Age-adjusted mortality rates from NCD by sex (Female) Country 2001 and 2011

Percentage change (%) of mortality from NCD between 2001 and 2011 by Sex and Country

Disability Adjusted Life Years* (DALY) due to NCD between 2000 and 2012 by country of the Americas

Source: WHO GBD indicators 2000 - 2012

(*) Based on age-standardized DALY rates per 100,000
Percentage change (%) of Disability Adjusted Life Years* (DALY) due to NCD between 2000 and 2012

Source: WHO GBD indicators 2000 - 2012
Regional change (%) in DALYs by gender between 2000 and 2012, according to countries’ income grouping

<table>
<thead>
<tr>
<th></th>
<th>low- and middle-income</th>
<th>High - Income</th>
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<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Male</td>
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<tr>
<td><strong>Communicable, maternal, perinatal and nutritional conditions</strong></td>
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<td></td>
<td>-32.8%</td>
<td>-32.5%</td>
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<td><strong>Noncommunicable diseases</strong></td>
<td></td>
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<td></td>
<td>13.6%</td>
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<tr>
<td><strong>Injuries</strong></td>
<td>6.6%</td>
<td>7.7%</td>
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<tr>
<td><strong>All Causes</strong></td>
<td>100.0%</td>
<td>100.0%</td>
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Source: WHO GBD indicators 2000 - 2012
Percentage change (%) of Disability Adjusted Life Years* (DALY) due to NCD between 2000 and 2012 and Income grouping

Sources: WHO GBD indicators 2000 – 2012 and World Bank Database
% change of Disability Adjusted Life Years* (DALY) due to NCD between 2000 and 2012 and Human Development Index (1990) by country

**Avg – 6.0%**

**Avg – 10 %**

Source: WHO GBD indicators 2000 - 2012
Proportion of Years of Life Lost (YLL) due to NCD between 2000 and 2012 by country

Source: WHO GBD indicators 2000 - 2012
Regional change (%) in YLLs by gender between 2000 and 2012, according to countries’ income grouping

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<td>Injuries</td>
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<tr>
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</tbody>
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Source: WHO GBD indicators 2000 - 2012
Percentage change (%) of the proportion of Years of Life Lost (YLL) due to NCD between 2000 and 2012 and Income grouping

Sources: WHO GBD indicators 2000 – 2012 and World Bank Database
Average change on the proportion of Years of Life Lost (YLL) due to NCD between 2000 and 2012 and Human Development Index 1990

Source: WHO GBD indicators 2000 - 2012