Iran’s NTA Data Decomposing by Age and Sex:

Lessons learned from GAWI and 1st Demographic Dividend

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• Introduction: Iran’s NTA activities
• Population ageing in Iran
• 1st example of applying NTA: Using data to calculate GAWI
• 2nd example: age and gender differences referring Demographic Dividend
• Discussion
NTA activities in Iran

- Commenced in 2015
- Estimation of YL and all consumptions and their adjustments to SNA
- Currently working on transfers
- Data for estimating intra-household transfers are not available for Iran, and thus, more work is needed on this part of transfers
Changing Age Structure, 1950-2100

National Transfer Accounts

in I. R. of Iran
Population Age Structure based on UN projections, all variants, 2050

National Transfer Accounts

UNFPA
Population Age Structure based on National Censuses and UN projections, medium variant, 1980-2050
Global Age Watch Index, domains and indicators

Source: Global Age Watch Index, insight report 2015
### Average values of “Income Security” for each indicators, Iran, 2013

<table>
<thead>
<tr>
<th>Income Security</th>
<th>Pension income coverage</th>
<th>Poverty rate in old age*</th>
<th>Relative welfare of the elderly**</th>
<th>GNI per capita*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicators</td>
<td>1.1</td>
<td>1.2</td>
<td>1.3</td>
<td>1.4</td>
</tr>
<tr>
<td>Weight</td>
<td>40%</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>Adjusted (raw)</td>
<td>26.40(26.40)</td>
<td>79.7(20.3)</td>
<td>110.6(110.6)</td>
<td>4.1(13451)</td>
</tr>
<tr>
<td>Normalized</td>
<td>24.8</td>
<td>58.6</td>
<td>72.1</td>
<td>65.2</td>
</tr>
<tr>
<td>Upper goalpost</td>
<td>100</td>
<td>100</td>
<td>136</td>
<td>4.8(65000)</td>
</tr>
<tr>
<td>Lower goalpost</td>
<td>2.1</td>
<td>51</td>
<td>45</td>
<td>2.8(700)</td>
</tr>
<tr>
<td>Geometric Mean</td>
<td></td>
<td></td>
<td>44.3</td>
<td></td>
</tr>
</tbody>
</table>

* Adjusted value of poverty rate in old age is equal to 1 minus raw value (20.3) and of GNI per capita is logarithm of it.

** Average income/consumption of people aged 60-plus as a proportion of average income/consumption for the rest of society.
GWI Rankings and values, overall by domain, Iran, 2013
Per capita flows, Iran, 2011

Labour Income
Consumption

Second Example: 1st DD
Mean age at entering and leaving labour market and length of working, Iran, 1976-2011
Per capita Labour Income by sex, Iran, 2011
Per worker Earning (un-smoothed) by age and sex, Iran, 2011

Million IRR

0 10 20 30 40 50 60 70 80 90

Female
Male
Per worker self-employment income (un-smoothed) by age and sex, Iran, 2011

- Male
- Female

Million IRR
Women Gross Years of Active Life, Iran, 1986-2011

The graph shows the change in women's gross years of active life in Iran from 1986 to 2011, based on activity rate and employment rate. The years are represented on the y-axis, and the years 1986, 1996, 2006, and 2011 are marked on the x-axis.

The blue line represents the years based on the activity rate, and the red line represents the years based on the employment rate. Both lines show an overall increase from 1986 to 2006, with a slight decline in 2011.

Second Example: 1st DD
Trends of Sex Ratios among total population 15+, Literates, and young people with university education, Iran, 1986-2011