Aging on Aruba:
Challenges for a Sustainable Society

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We are 101,484 strong....
We represent together 96 different nationalities...
... and come from 133 different countries
Out of every 5 persons, 1 is younger than 15 years,
… and 15 percent is already enjoying a pension
More than 50 thousand persons are in the labor force,...
...earning on average 1600,= US$ per month.
One fifth is employed in the hotel-industry,...
One tenth in public administration,...
...and one percent in private households.
Out of every 8 persons, 1 has tertiary education,...
Most of us own a living quarter
...and one third of us is currently married
WE ARE A R U B A
• Population in the census: 101,484
• Last decade population grew with 10,978 persons
• Mostly because of natural growth (7,003 persons)
• Partly because of migration (3,975 persons)
• Between 1991 and 2000: growth of almost 24,000
  • Natural growth: 7,776
  • Net-migration: 16,073
Changing age structure

- Size of Aruba’s pyramid: “90-60-90”
- Number of young people (<10 yrs.) decreased
- Number of persons 25-44 yrs. down with 4,038.
- Percentage of persons 50+ increased with 58.4%
Changing age structure

- There are 51 percent more people present in the age-group 40 and 55 years than in the age-group 20 – 35 years: 25,869 against 17,156.
Reasons changes age-structure

Total fertility rate: World, development regions, Caribbean and Aruba, 1950-2010
More than 50% of all persons between 35 and 44 are foreign born.

For young persons this % is low (8.7%) and persons 65-79 around 25%.

More than half of the foreign born population has the Dutch nationality.

The number of female migrants is considerably higher than the number of male migrants (sex ratio 77.7 percent).
Foreign born persons make up more than 50% of the labor force.

Ten most important countries of immigration have remained the same.

More than half of the foreign born population has the Dutch nationality.

Countries
- Colombia: 9,279
- Netherlands: 4,358
- Dominican Rep.: 4,113
- China: 1,071
- Philippines: 954
- India: 314
### Table 1: Basic Indicators Aruba Ageing and Dejuvenation 1960-2010

<table>
<thead>
<tr>
<th>Year</th>
<th>Male 0-14</th>
<th>Female 0-14</th>
<th>Total 0-14</th>
<th>Male 15-64</th>
<th>Female 15-64</th>
<th>Total 15-64</th>
<th>Male 65+</th>
<th>Female 65+</th>
<th>Total 65+</th>
<th>Male Total</th>
<th>Female Total</th>
<th>Total Total</th>
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<td>31.5</td>
<td>28.4</td>
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<td>3.0</td>
<td>6.0</td>
<td>3.3</td>
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<td>6.6</td>
<td>1.8</td>
<td>1.8</td>
<td>3.6</td>
<td>31.5</td>
<td>28.4</td>
<td>63.7</td>
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<tr>
<td>1981</td>
<td>2.2</td>
<td>2.3</td>
<td>4.5</td>
<td>2.5</td>
<td>2.2</td>
<td>4.7</td>
<td>1.4</td>
<td>1.4</td>
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<td>28.4</td>
<td>63.7</td>
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<tr>
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<td>1.9</td>
<td>3.8</td>
<td>1.6</td>
<td>1.6</td>
<td>3.2</td>
<td>0.8</td>
<td>0.8</td>
<td>1.6</td>
<td>31.5</td>
<td>28.4</td>
<td>63.7</td>
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<td>1.7</td>
<td>3.4</td>
<td>1.6</td>
<td>1.6</td>
<td>3.2</td>
<td>1.0</td>
<td>1.0</td>
<td>2.0</td>
<td>31.5</td>
<td>28.4</td>
<td>63.7</td>
</tr>
<tr>
<td>2010</td>
<td>1.6</td>
<td>1.6</td>
<td>3.2</td>
<td>1.6</td>
<td>1.6</td>
<td>3.2</td>
<td>1.4</td>
<td>1.4</td>
<td>2.8</td>
<td>31.5</td>
<td>28.4</td>
<td>63.7</td>
</tr>
</tbody>
</table>

#### Sex Ratios

- **0-14**: 101.5, 103.9, 104.8, 106.8, 102.4, 103.9
- **15-64**: 94.4, 93.2, 93.4, 95.4, 91.3, 89.9
- **65+**: 72.2, 76.0, 71.8, 75.0, 73.0, 72.5
- **Total**: 96.5, 96.1, 94.6, 96.4, 92.2, 90.6

#### Dependent Ratio

- **Total**: 81.9, 78.3, 79.9, 71.5, 66.0, 68.6
- **Young persons per 100 older persons**: 169.1, 199.9, 242.4, 460.9, 337.6, 378.2
- **Persons 65+ per 100 persons 15-64**: 4.7, 6.4, 5.6, 6.8, 8.1, 6.4

#### Mean Age

- **Total**: 23.5, 24.8, 23.2, 25.4, 26.7, 26.1

#### Nr of Persons 75+

- **Total**: 216, 321, 567, 284, 464, 748

#### % Increase 75+

- **Total**: 31.5, 32.2, 31.9, 70.1, 68.8, 69.3
Effects of aging

Number of persons by activity status, age and sex

- Male Employed
- Male Unemployed
- Male Inactive
- Female Employed
- Female Unemployed
- Female Inactive
Effects of aging

- Participation rates for females are increasing every decade.
- Higher rates are postponed (due to education), and stay high till 59 yrs.
- Growing number of females are staying in the labor force after reaching age 60.
- Same trend is applicable for males: almost 100% at age 35, after age 60 sharply dropping.
Effects of aging

Participation rates males by age-group (1972-2010)

Participation rates females by age-group (1972-2010)
Effects of aging

Unemployment rates by age and sex, 2010

- Aruba
- Colombia
- Dominican Republic
- Netherlands
- USA
- Venezuela
- Other country
- Curacao
Effects of aging

Benefits paid, premium income and the reserves, 2010-2033

- Total Benefits paid AOV fund
- AOV Premium income
- Total Reserves
- Amount of pensioners
By the age of 60, 9.1 percent of the populations indicate they have a limitation, by the age of 70 this percentage has more than doubled (21.7 percent). At age 80, more than 55 percent of respondents indicated they were having some sort of limitation, 21.5 percent needed external support.
Effects of aging

Percentage of persons 65 years and older (absolute and percentage) with specific limitations

<table>
<thead>
<tr>
<th>Problem</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washing, dressing</td>
<td><img src="image" alt="Bar Chart" /></td>
<td><img src="image" alt="Bar Chart" /></td>
</tr>
<tr>
<td>Hearing</td>
<td><img src="image" alt="Bar Chart" /></td>
<td><img src="image" alt="Bar Chart" /></td>
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<tr>
<td>Walking</td>
<td><img src="image" alt="Bar Chart" /></td>
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<tr>
<td>Memory</td>
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<td><img src="image" alt="Bar Chart" /></td>
</tr>
<tr>
<td>Seeing</td>
<td><img src="image" alt="Bar Chart" /></td>
<td><img src="image" alt="Bar Chart" /></td>
</tr>
</tbody>
</table>
Effects of aging

Living arrangement persons 65+, all persons and those who need help

- Composite household
- Extended household
- Nuclear household
- One person Household

- Persons 65+ who need help
- All persons 65+
Number of persons 65 years and older (absolute and percentage) who receive personal help.

- Help from others paid
- Gets help in daycare center
- Admitted to institution
- Help private nurse
- Help from white yellow cross
- Help friends and neighbours
- Help from family members outside the household
- Help from family members in the household
- Person gets no help

Table 3: Mean number of children ever born by women aged 65 and older, by five year age-group

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Mean Number of Children</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 - 69</td>
<td>2.5</td>
</tr>
<tr>
<td>70 - 74</td>
<td>3.2</td>
</tr>
<tr>
<td>75 - 79</td>
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<td>80 - 84</td>
<td>4.7</td>
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<tr>
<td>85 - 89</td>
<td>5.8</td>
</tr>
<tr>
<td>90 - 94</td>
<td>5.3</td>
</tr>
<tr>
<td>95+</td>
<td>4.4</td>
</tr>
</tbody>
</table>

Source: Population Census 2010
Health-care cost is related to ageing

Ageing and health-care costs:

- Health-care strongly related to age. Average cost for person 45-49 US$ 1184,= for persons 80-84: US$. 4228,= (3.5 times higher)
- Costs raised with US$. 24.2 million (using same avg. cost per age-cat.), which is US$ 239 per person.
- Percentage people with limitation increases exponential with age
Health-care cost is related to ageing

Have a Nice Day