Immigrant fertility in Sweden - a cohort perspective

Johan Tollebrant
Statistics Sweden

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Background

• Population projection for Sweden

• Today we study immigrant fertility from a period perspective (TFR)

• The aim with this study is to investigate if it can be a help to study cohort fertility for foreign born women

• The aim is also to calculate the total cohort fertility for foreign born women, both children born in Sweden and before immigration
Data and method

• To estimate total cohort fertility we need information both on childbearing before and after migration.

• Childbearing after migration is easy to calculate using Swedish administrative registers covering vital statistics of the entire population.

• The childbearing for foreign-born women is estimated by using the information on foreign born women’s children that have also immigrated to Sweden.

• In the Multi-Generation Register there is a link between children and parents.
This method has some limitations:

- Some foreign-born women may have children outside of Sweden that are not in the registers of Statistics Sweden.

- It is also possible that some children have died before the migration event. In some of the mothers' birth countries infant mortality is high.
Percentage of children born by mothers birth country group

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Sweden</td>
<td>88</td>
<td>82</td>
<td>72</td>
</tr>
<tr>
<td>Nordic country</td>
<td>8</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Non-Nordic country of the EU27</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Non-EU27 country in Europe</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Non-European country, high HDI</td>
<td>0</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Non-European country, medium HDI</td>
<td>0</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Non-European country, low HDI</td>
<td>0</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td><strong>Summary</strong></td>
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</tbody>
</table>
Total cohort fertility
Women born in Sweden 1930-1970
TFR by years since immigration
Year 2000–2013

TFR: Total Fertility Rate
CHILDREN BORN BEFORE MOTHERS IMMIGRATION TO SWEDEN
Average number of children at immigration
Foreign born women cohort 1970–1974 by age

- Swedish born
- Low HDI countries
- Medium HDI countries
- High HDI countries
- Nordic countries
- Non-Nordic countries in the EU27
- European countries outside the EU27

Axes:
- Statistical Central Bureau (Sweden)
- Statistics Sweden

Y-axis: Children
X-axis: Age (years)
CHILDREN BORN IN SWEDEN
Proportion with at least one child in Sweden
Foreign born women cohort 1970–1974 by age

- Swedish born
- Nordic countries
- European countries outside the EU27
- Low HDI countries
- Medium HDI countries
- High HDI countries
- Non-Nordic countries in the EU27

Age

Statistics Sweden
Average number of children born in Sweden

Women born 1970–1973 at age 40

- Swedish born
- Nordic countries
- EU-countries
- European countries outside EU
- High HDI
- Medium HDI
- Low HDI
Average number of children born in Sweden
Women born in non-European country, medium HDI

![Graph showing the average number of children born in Sweden for women born in non-European countries with medium HDI, categorized by age and birth years.](chart)
CHILDREN BORN BOTH BEFORE MOTHERS IMMIGRATION AND IN SWEDEN
Proportion with at least one child
Foreign born women cohort 1970–1974 by age

- Swedish born
- European countries outside the EU27
- Non-Nordic countries in the EU27
- Low HDI countries
- Medium HDI countries
- High HDI countries
- Nordic countries
Total average number of children
Women born 1970–1974 at age 40

- Swedish born
- Nordic countries
- EU-countries
- European countries outside EU
- High HDI
- Medium HDI
- Low HDI

Statistics Sweden
Average number of children
Women born in non-European country, medium HDI
Average number of children

- Foreign born
- Swedish born

[Graph showing the average number of children for foreign and Swedish-born individuals across different ages.]
Thank you!

Immigrant fertility in Sweden - a cohort perspective

Johan.Tollebrant@scb.se
Statistics Sweden