Migration statistics in Poland

data and methodology

Dominik Rozkrut
President, Statistics Poland

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Trends of migration in Poland

• High level of emigration for temporary stay after 2004 (when Poland joined EU)
  • to European Union countries
    • (UK, Germany, Ireland, Netherlands, Italy, ...)
  • mostly young people
  • repeated, circular migration
Trends of migration in Poland

- Increasing immigration in recent years
  - large immigration from Ukraine
  - large scale of short-term immigration
  - economic immigration (to work)
  - immigration related to education

- Poland becoming an emigration and immigration country
Population staying temporarily abroad estimates (as of the end of the year)

in thous.

2004 1000
2005 1500
2006 2000
2007 2500
2008 2100
2009 2000
2010 2000
2011 2000
2012 2000
2013 2000
2014 2000
2015 2500
2016 2515

100 GUS
Statistics Poland
stat.gov.pl
Number of foreigners with valid documents confirming the right to stay on the territory of Poland (with the exception of visas)
## Foreign students in Poland

<table>
<thead>
<tr>
<th>Academic year</th>
<th>Students - total</th>
<th>Foreign students</th>
<th>Internationalization of Higher Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010/2011</td>
<td>1 841 251</td>
<td>21 474</td>
<td>1.17</td>
</tr>
<tr>
<td>2011/2012</td>
<td>1 764 060</td>
<td>24 253</td>
<td>1.37</td>
</tr>
<tr>
<td>2012/2013</td>
<td>1 676 927</td>
<td>29 172</td>
<td>1.74</td>
</tr>
<tr>
<td>2013/2014</td>
<td>1 549 877</td>
<td>35 983</td>
<td>2.32</td>
</tr>
<tr>
<td>2014/2015</td>
<td>1 469 386</td>
<td>46 101</td>
<td>3.14</td>
</tr>
<tr>
<td>2015/2016</td>
<td>1 405 133</td>
<td>57 119</td>
<td>4.06</td>
</tr>
<tr>
<td>2016/2017</td>
<td>1 348 822</td>
<td>65 793</td>
<td>4.88</td>
</tr>
</tbody>
</table>
Work permits issued to foreigners

<table>
<thead>
<tr>
<th>Year</th>
<th>TOTAL</th>
<th>Citizens of Ukraine</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>39,144</td>
<td>20,295</td>
</tr>
<tr>
<td>2013</td>
<td>39,078</td>
<td>20,416</td>
</tr>
<tr>
<td>2014</td>
<td>43,663</td>
<td>26,315</td>
</tr>
<tr>
<td>2015</td>
<td>65,786</td>
<td>50,465</td>
</tr>
<tr>
<td>2016</td>
<td>127,394</td>
<td>106,223</td>
</tr>
<tr>
<td>2017</td>
<td>235,626</td>
<td>192,547</td>
</tr>
</tbody>
</table>
Employers' statements on intent to offer a job to a foreigner

in thous.


TOTAL 180 169 180 180 240 430 1 824 1 715
Ukrainian citizens 169 169 169 169 240 430 1 664 1 596
Data sources

- Administrative data sources
  - Population register PESEL
  - System POBYT (for foreigners)
  - Other registers
- Statistical surveys
  - LFS
  - EU-SILC
  - Census
  - Other surveys
- International data sources
  - Eurostat database
  - Statistics of other countries
  - International administrative data sources
Challenges for migration statistics

• Free movements -> migration facts are often not registered -> the need for estimates

• Estimation based on
  • new data sources
  • integration of data from various sources
    • statistical and non-statistical, including administrative sources, big data
  • using data from other countries
    • mirror statistics
Problems with mirror statistics

- Different migrant definitions used in different countries
- Different data sources
- Different methodologies for collecting and processing data
- Different data availability
- Immigration often overestimated, while emigration underestimated
Estimates developed by Statistics Poland

• Migration flows
  • long-term emigration,
  • long-term immigration
  • (gender, age, group of countries of next/previous residence, group of countries of citizenship, group of countries of birth)

• Data sources
  • population register (PESEL)
  • data on emigration to Poland from other countries
  • data on immigration from Poland from other countries
Estimates developed by Statistics Poland

- Emigration stock
  - population absent due to departure abroad for temporary stay (above 3 months) by country of stay

- Data sources
  - 2011 census,
  - LFS, EU-SILC,
  - migration for temporary stay,
  - mirror statistics and data from Eurostat database
Stock of foreigners on the Polish labor market: hard-to-reach population

- Over 266.2 thousand foreigners had valid documents confirming the right of residence in Poland
- Polish consulates issued 1,895 thousand visas
- 127.4 thousand were spent work permits for a foreigner
- 1,314 thousand employers’ intentions to provide work to a foreigner
- 65.8 thousand foreign students studied in Poland (2016/2017 academic year)
- The number of insured foreigners amounted to PLN 293.2 thousand
- 104 thousand foreigners was going to stay in Poland for at least a year, according to LFS
- 18.5 thousand were detained for illegal stay, for illegal work: 2.6 thousand
Estimates developed by Statistics Poland

• Stock of foreigners on the Polish labor market
  • ongoing research project, duration: May 2017-June 2018

• Methodologies tested:
  • population of working foreigners (disaggregated by territorial division and socio-economic characteristics) based on
    • integration of all available and relevant administrative data sources (PESEL, KEP, ZUS, KRUS, ARIMR, NFZ, …) with
    • results of statistical surveys for the entire population (using both deterministic and probabilistic methods),
  • a capture-recapture method to estimate (based on combining at least two registry files) the size of the working population of foreigners disaggregated by territorial division and socio-economic characteristics.
Future activities in migration statistics improvement

• Improvements to migration estimation methods
• Deeper usage of the existing non-statistical data sources
• Searching for new data sources
• Adjustments to the existing surveys (such as LFS or EU-SILC)
• Population census
Future activities in migration statistics improvement

- Stronger international co-operation
- Intensified cooperation with academia outside of official statistics
- Strengthened cooperation with other public authorities (central and regional)
Thank you
for your attention!

Dominik Rozkrut
Statistics Poland

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