### Classification of the quality of estimates (see also WP1)

<table>
<thead>
<tr>
<th>I. High quality</th>
<th>II. Medium quality</th>
<th>III. Low quality</th>
<th>IV. Low quality with plausibility warning</th>
</tr>
</thead>
</table>

### Abbreviations

- **IFR:** Irregular Foreign Residents
- **IFW:** Irregular Foreign Workers
- **Incl. EU:** Estimate includes EU-citizens
- **FTE:** Full-time equivalents
- **Abs.:** Estimate of absolute numbers
- **Rel.:** Estimate subgroup in % of total

### Groups

#### Total stocks of irregular foreign residents

<table>
<thead>
<tr>
<th>Groups</th>
<th>Definition</th>
<th>Year</th>
<th>Estimate</th>
<th>Main data source</th>
<th>Short explanation</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFR – estimate 1</td>
<td>IFR incl. EU</td>
<td>2000</td>
<td>195 000</td>
<td>migrant survey</td>
<td>Academic expert estimate on the basis of migrant survey and other indicators, multiplier 1 to regular workers, plus assumed number of dependents</td>
<td>Drbohlav 2003</td>
</tr>
<tr>
<td>IFR – estimate 2</td>
<td>IFR</td>
<td>2005</td>
<td>100 000</td>
<td>unknown</td>
<td>Director of the Prague IOM office, based on international experiences, no explanation</td>
<td>Pospíchalová 2006</td>
</tr>
</tbody>
</table>

#### Total stocks of irregular foreign workers

<table>
<thead>
<tr>
<th>Groups</th>
<th>Definition</th>
<th>Year</th>
<th>Estimate</th>
<th>Main data source</th>
<th>Short explanation</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFW – estimate 1</td>
<td>IFW</td>
<td>2000</td>
<td>200 000</td>
<td>unknown</td>
<td>Academic expert estimate: assumed multiplier 1 applied to work permits and business authorization holders, no explanation</td>
<td>Wallace and Stola 2001</td>
</tr>
<tr>
<td>IFW – estimate 2</td>
<td>IFW incl. EU</td>
<td>2002</td>
<td>20 000</td>
<td>40 000</td>
<td>enforcement data</td>
<td>Academic expert estimate on the basis of labour inspection and police enforcement data, no closer explanation</td>
</tr>
<tr>
<td>IFW – estimate 3</td>
<td>IFW incl. EU</td>
<td>2004</td>
<td>17 000</td>
<td>enforcement data</td>
<td>Academic expert estimate on the basis of labour inspection data: Multiplier applied to the overall number of employed foreigners</td>
<td>Horáková 2005</td>
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<tr>
<td>IFW – estimate 4</td>
<td>IFW incl. EU</td>
<td>2007</td>
<td>240 000</td>
<td>unknown</td>
<td>Minister of Labour and Social Affairs estimate, multiplier 1 to regular foreign workforce, no explanation</td>
<td>CLANDESTINO Czech Rep. 2008</td>
</tr>
<tr>
<td>IFW – estimate 5</td>
<td>IFW incl. EU</td>
<td>2006</td>
<td>40 000</td>
<td>200 000</td>
<td>expert survey</td>
<td>Scientific study estimate: estimates of migration experts in the framework of a Delphi study on irregular work</td>
</tr>
</tbody>
</table>

#### Total stocks for specific cities or regions

<table>
<thead>
<tr>
<th>Groups</th>
<th>Definition</th>
<th>Year</th>
<th>Estimate</th>
<th>Main data source</th>
<th>Short explanation</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prague – estimate 1</td>
<td>IFR</td>
<td>2000</td>
<td>80 000</td>
<td>migrant survey</td>
<td>Academic expert estimate on the basis of migrant survey and other indicators, multiplier 1 to regular workers, plus assumed number of dependents</td>
<td>Drbohlav 2003</td>
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<tr>
<td>Prague – estimate 2</td>
<td>IFW</td>
<td>2006</td>
<td>40 000</td>
<td>90 000</td>
<td>administrative data</td>
<td>Academic expert estimate: multiplier 1 from IFR1 applied to number of legally working foreigners</td>
</tr>
</tbody>
</table>
## Stocks of Irregular Migrants: Estimates for Czech Republic

http://irregular-migration.hwwi.net

<table>
<thead>
<tr>
<th>Groups</th>
<th>Definition</th>
<th>Year</th>
<th>Estimate</th>
<th>Main data source</th>
<th>Short explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>minimum</td>
<td>central</td>
<td>maximum</td>
</tr>
<tr>
<td>Gender composition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>abs.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>rel.</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>m</td>
<td>IFW</td>
<td>2006</td>
<td>68%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f</td>
<td></td>
<td></td>
<td>32%</td>
<td></td>
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<tr>
<td>Age composition</td>
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<td></td>
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</tr>
<tr>
<td>abs.</td>
<td>Children</td>
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<td>2000</td>
<td>30 000</td>
<td>unknown</td>
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<tr>
<td>rel.</td>
<td>Children</td>
<td>IFR</td>
<td>2006</td>
<td>5%</td>
<td>93%</td>
</tr>
<tr>
<td></td>
<td>Youths and adults</td>
<td>IFR</td>
<td></td>
<td>3%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aged people</td>
<td>IFR</td>
<td></td>
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<td></td>
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</table>
# Stocks of Irregular Migrants: Estimates for Czech Republic

http://irregular-migration.hwwi.net

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<thead>
<tr>
<th>Groups</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>minimum</td>
<td>central</td>
<td>maximum</td>
<td></td>
</tr>
<tr>
<td>Nationality composition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>abs. 1</td>
<td>Ukraine</td>
<td>IFW</td>
<td>2002</td>
<td>100 000</td>
<td>unknown</td>
<td>Ukrainian Ministry of Foreign Affairs, unspecified information from embassy in the Czech Republic</td>
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<tr>
<td>rel. 1</td>
<td>Ukraine</td>
<td>IFR</td>
<td>2007</td>
<td>62%</td>
<td>enforcement data</td>
<td>CLANDESTINO country expert presented Alien Police data on apprehended persons because of illegal stay as indicator for nationality composition, calculation of percentages by HWWI</td>
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<tr>
<td></td>
<td>Vietnam</td>
<td></td>
<td></td>
<td>7%</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>China</td>
<td></td>
<td></td>
<td>4%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mongolia</td>
<td></td>
<td></td>
<td>4%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Russia</td>
<td></td>
<td></td>
<td>3%</td>
<td></td>
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<tr>
<td></td>
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<tr>
<td>rel. 2</td>
<td>Ukraine</td>
<td>IFW incl. EU</td>
<td>2002-2006</td>
<td>46%</td>
<td>enforcement data</td>
<td>CLANDESTINO country expert presented data of labour force controls on detected illegally employed foreigners in 2002-2006 as indicator for nationality composition, calculation of percentages by HWWI</td>
</tr>
<tr>
<td></td>
<td>Slovakia</td>
<td></td>
<td></td>
<td>35%</td>
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<tr>
<td></td>
<td>Vietnam</td>
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<td></td>
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<tr>
<td></td>
<td>Romania</td>
<td></td>
<td></td>
<td>2%</td>
<td></td>
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<tr>
<td></td>
<td>Moldova</td>
<td></td>
<td></td>
<td>2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bulgaria</td>
<td></td>
<td></td>
<td>2%</td>
<td></td>
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<tr>
<td></td>
<td>Other</td>
<td></td>
<td></td>
<td>10%</td>
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</table>
## Economic sector composition

<table>
<thead>
<tr>
<th>Groups</th>
<th>Definition</th>
<th>Year</th>
<th>Estimate</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>min</td>
<td>cent</td>
<td>max</td>
<td>abs.</td>
<td>IFW</td>
<td>rel.</td>
</tr>
<tr>
<td></td>
<td>IFW</td>
<td>Construction</td>
<td>13%</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>IFW</td>
<td>Hospitality and accommodation services</td>
<td>12%</td>
<td></td>
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<tr>
<td></td>
<td>IFW</td>
<td>Domestic services</td>
<td>11%</td>
<td></td>
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<tr>
<td></td>
<td>IFW</td>
<td>Agriculture</td>
<td>11%</td>
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<tr>
<td></td>
<td>IFW</td>
<td>Wholesale/ retail</td>
<td>11%</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>IFW</td>
<td>Textile industry</td>
<td>9%</td>
<td></td>
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<tr>
<td></td>
<td>IFW</td>
<td>Food processing industry</td>
<td>8%</td>
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<tr>
<td></td>
<td>IFW</td>
<td>Other</td>
<td>/</td>
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</table>

## Other subgroups

<table>
<thead>
<tr>
<th>Groups</th>
<th>Definition</th>
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<th>Estimate</th>
<th>Main data source</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>abs.</td>
<td>IFW</td>
<td>rel.</td>
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<td></td>
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</tr>
</tbody>
</table>

References


Annotations

Total stocks of irregular foreign residents: back to table

IFR – estimate 1: Careful estimate; medium quality as migrant survey data for estimation of the number of irregular resident workers was not fully adequate and the number of dependents depended on plausibility assumptions (CLANDESTINO Czech Republic Report: 27).

IFR – estimate 2: Low quality as there is no explanation for estimate. We assumed that the reference refers to IFR and does not include regular residents that work in breach of labour conditions, but this is not quite clear (CLANDESTINO Czech Republic Report: 33).

Total stocks of irregular foreign workers: back to table

IFW – estimate 1: Low quality due to a lack of documentation, particularly no explanation of multiplier (CLANDESTINO Czech Republic Report: 32).

IFW – estimate 2: Low quality due to a lack on documentation, mainly on applied method (CLANDESTINO Czech Republic Report: 28).

IFW – estimate 3: Low quality due to an inadequate method application. While multiplier calculations from labour inspection data are in principal adequate to reach at least medium quality estimates, the method does not seem to be appropriately applied. There is no indication how labour inspection data may be biased and as the multiplier seems to assume that all foreign workers in breach of labour regulations have a regular residence status (CLANDESTINO Czech Republic Report: 29).

IFW – estimate 4: Low quality due to a lack of documentation, particularly no explanation for multiplier (CLANDESTINO Czech Republic Report: 33).

IFW – estimate 5: Minimum value of 40 000 irregular foreign workers as 89% of 27 migration experts agree on it; maximum value of 200 000 as 81% of experts agreed with this value (CLANDESTINO Czech Republic Report: 28). Low quality as Delphi survey is an inadequate method for estimating the size of irregular migrant populations in a country (WP1).

Total stocks for specific cities: back to table

Prague 1: Careful estimate; medium quality as migrant survey data for estimation of the number of irregular resident workers was not fully adequate and the number of dependents depended on plausibility assumptions (CLANDESTINO Czech Republic Report: 27).

Prague 2: Low quality due to insufficient data (use of multiplier derived from studies in the 1990s) and a lack of documentation, particularly on the asymmetric range (CLANDESTINO Czech Republic Report: 33).
Stocks of Irregular Migrants: Estimates for Czech Republic

Gender composition: back to table
Relative estimate: For minimum and maximum assessment logic, see WP1. Low quality due to a lack of information on degree of under- and overestimation (CLANDESTINO Czech Republic Report: 34).

Age composition: back to table
Absolute estimate: Low quality due to a lack of explanation (CLANDESTINO Czech Republic Report: 34).
Relative estimate: For minimum and maximum assessment logic, see HWWI 2008. Low quality due to a lack of information on degree of under- and overestimation (CLANDESTINO Czech Republic Report: 35).

Nationality composition: back to table
Absolute estimate 1: Low quality due to a lack of documentation, mainly on applied method (CLANDESTINO Czech Republic Report: 38).
Absolute estimate 2: Low quality as there are no arguments about extrapolation of estimate in time (CLANDESTINO Czech Republic Report: 40).
Relative estimate 1: Low quality due to unclear bias (no information whether there are unequal apprehension likelihoods for different nationalities) (CLANDESTINO Czech Republic Report: 22).
Relative estimate 2: Low quality due to unclear bias (no information whether there are unequal apprehension likelihoods for different nationalities) (CLANDESTINO Czech Republic Report: 23).

Economic sector composition: back to table
Relative estimate: Low quality due to an inadequate method. A Delphi study with general migration expert estimates on a specific sector is not adequate with regard to the experts’ expertise for this area. The percentages do not add up to 100% as the mean value for individual sectors are taken (CLANDESTINO Czech Republic Report: 41).

Comments on the table are welcomed by the HWWI-team: Dita Vogel and Vesela Kovacheva.