Primary* Refugee Arrivals to MN by Region of World 1979-2008

Refugee Health Program, Minnesota Department of Health

*First resettled in Minnesota
Primary Refugee Arrival, Minnesota, 2004-2008

Number of Arrivals

Month

2004  2005  2006  2007  2008

Refugee Health Program, Minnesota Department of Health
Primary Refugee Arrivals, Minnesota, 2008

- Burma (49%)
- Somalia (14%)
- Bhutan (8%)
- Ethiopia (7%)
- Liberia (5%)
- FSU (4%)
- Other (7%)

“Other” includes Burkina Faso, Cambodia, Cameroon, China (incl. Tibet), Colombia, Congo (DR), Cuba, Djibouti, Eritrea, Gambia, Guinea, Jordan, Kenya, Laos (Hmong), Palestine/West Bank, Sierra Leone, Sudan, Togo, Vietnam and Zimbabwe.

“Former Soviet Union (FSU) Republics” include Belarus, Kazakhstan, Latvia, Moldova, Russia and Ukraine.

N = 1,205
### Primary Refugee Arrivals Screened in Minnesota 1999-2008

<table>
<thead>
<tr>
<th>Year</th>
<th>Arrivals</th>
<th>Eligible for Screening</th>
<th>Screened</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>3917</td>
<td>3689</td>
<td>3158</td>
</tr>
<tr>
<td>2000</td>
<td>4011</td>
<td>3689</td>
<td>3293</td>
</tr>
<tr>
<td>2001</td>
<td>2793</td>
<td>2535</td>
<td>2793</td>
</tr>
<tr>
<td>2002</td>
<td>1032</td>
<td>963</td>
<td>963</td>
</tr>
<tr>
<td>2003</td>
<td>2403</td>
<td>2242</td>
<td>2118</td>
</tr>
<tr>
<td>2004</td>
<td>7351</td>
<td>7009</td>
<td>6801</td>
</tr>
<tr>
<td>2005</td>
<td>5326</td>
<td>5108</td>
<td>4990</td>
</tr>
<tr>
<td>2006</td>
<td>5355</td>
<td>4893</td>
<td>4710</td>
</tr>
<tr>
<td>2007</td>
<td>2867</td>
<td>2740</td>
<td>2697</td>
</tr>
<tr>
<td>2008</td>
<td>1205</td>
<td>1167</td>
<td>1152</td>
</tr>
</tbody>
</table>

*Ineligible if moved out of state or to an unknown destination, unable to locate or died before screening*

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Refugee Health Program, Minnesota Department of Health
Primary Refugees Lost to Follow-up
Minnesota, 2008

- Moved Out of State* 11%
- Unable To Locate* 9%
- Screened Elsewhere, No Results 6%
- Refused Screening 4%
- Contact Failed 2%
- Data Not Returned 2%
- Never Arrived 4%
- Died* 2%

N=53

*Ineligible for the refugee health assessment

Refugee Health Program, Minnesota Department of Health
## Primary Refugee Screenings by Region of Origin, Minnesota, 2008

<table>
<thead>
<tr>
<th>World Region</th>
<th>Total arrivals</th>
<th>Ineligible for Screening</th>
<th>Number Screened (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.Asia/SE Asia</td>
<td>726</td>
<td>6</td>
<td>720 (100)</td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>351</td>
<td>20</td>
<td>318 (96)</td>
</tr>
<tr>
<td>North Africa/ Middle East</td>
<td>76</td>
<td>8</td>
<td>67 (99)</td>
</tr>
<tr>
<td>Eastern/Western Europe</td>
<td>45</td>
<td>2</td>
<td>43 (100)</td>
</tr>
<tr>
<td>Latin America/ Caribbean</td>
<td>7</td>
<td>1</td>
<td>4 (67)</td>
</tr>
</tbody>
</table>

*Percent screened among the eligible
Refugee Screening Rates by Exam Type
Minnesota, 2008

Health Screening Rate
- Total: 99% (1,152/1,168)

Tuberculosis (TB)
- Total: 99% (1,142/1,152)

Hepatitis B
- Total: 99% (1,139/1,152)

Intestinal Parasites
- Total: 90% (1,032/1,152)

Lead (<6 yrs old)
- Total: 92% (117/127)

STIs
- Total: 72% (832/1,152)

Malaria
- Total: 1% (17/1,152)

Refugee Health Program, Minnesota Department of Health
# Health Status of New Refugees, Minnesota, 2008

<table>
<thead>
<tr>
<th>Health status upon arrival</th>
<th>No (%) of refugees screened</th>
<th>No (%) with infection among screened</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB (latent or active)*</td>
<td>1,142 (99%)</td>
<td>340 (30%)</td>
</tr>
<tr>
<td>Hepatitis B infection**</td>
<td>1,139 (99%)</td>
<td>97 (9%)</td>
</tr>
<tr>
<td>Parasitic Infection***</td>
<td>1,032 (90%)</td>
<td>166 (16%)</td>
</tr>
<tr>
<td>Sexually Transmitted Infections(STIs)****</td>
<td>832 (72%)</td>
<td>8 (1%)</td>
</tr>
<tr>
<td>Malaria Infection</td>
<td>17 (1%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Lead*****</td>
<td>117 (92%)</td>
<td>4 (3%)</td>
</tr>
</tbody>
</table>

Total screened: **N=1,152** (99% of the 1,168 eligible refugees)

* Persons with Latent TB infection or suspect/active TB disease diagnosis
** Positive for Hepatitis B surface antigen (HBsAG)
*** Positive for at least one pathogenic intestinal parasite infection
**** Positive for at least one STI
*****Children <6 year old (N=127 screened)
Tuberculosis (Latent or Active) Infection* Rate Among Refugees By Region Of Origin, Minnesota, 2008

N=1,142 screened

Overall TB Infection Rate
- 30% (340/1,142)

Sub-Saharan Africa
- 45% (142/315)

SE/East Asia
- 24% (175/718)

North Africa/Middle East
- 14% (9/63)

Europe
- 32% (13/42)

*Diagnosis of Latent TB infection (N=335) or Suspect/Active TB disease (N=5)

Latin America/Caribbean not listed due to small number of screened refugees (4)

Refugee Health Program, Minnesota Department of Health
Hepatitis B infection Rate Among Refugees by Region of Origin, Minnesota, 2008

N=1,139 screened

Overall Hepatitis B Infection Rate
- 9% (97/1,139)

Sub-Saharan Africa
- 6% (19/316)

SE/East Asia
- 11% (78/718)

North Africa/Middle East
- 0% (0/64)

Europe
- 0% (0/37)

Latin America/Caribbean not listed due to small number of screened refugees (4)

Refugee Health Program, Minnesota Department of Health
Intestinal Parasitic Infection* Rates Among Refugees by Region of Origin, Minnesota, 2008

N=1,032 screened

- Overall Parasitic Infection Rate: 16% (166/1,032)
- Sub-Saharan Africa: 22% (58/267)
- SE/East Asia: 14% (96/685)
- North Africa/Middle East: 15% (9/61)
- Europe: 6% (1/18)

*At least one type of pathogenic intestinal parasite

Latin America/Caribbean not listed due to small number of screened refugees (4)

Refugee Health Program, Minnesota Department of Health