Primary* Refugee Arrivals to MN by Region of World 1979-2010

Refugee Health Program, Minnesota Department of Health

*First resettled in Minnesota
Primary Refugee Arrival, Minnesota, 2006-2010

Number of Arrivals

Month

Refugee Health Program, Minnesota Department of Health
2010 Primary Refugee Arrival To Minnesota (N=2,320)

Number of Refugees Arrival By Initial County Of Resettlement

- 0
- 1-20
- 21-50
- 51-100
- 101-300
- 301-1,000
- 1,001-2,000
Primary Refugee Arrivals, Minnesota, 2010

- Somalia: 29%
- Burma: 36%
- Iraq: 10%
- Bhutan: 8%
- Ethiopia: 4%
- Laos/Hmong: 2%
- FSU: 2%
- Eritrea: 2%
- Congo, DR: 1%
- Other: 6%

N = 2,320

“Other” includes Afghanistan, Cambodia, Cameroon, China (incl. Tibet), Colombia, Cuba, Guinea, Haiti, Kenya, Mali, Mexico, Nigeria, Rwanda, Saudi Arabia, Sierra Leone, Sudan and Togo.

“Former Soviet Union (FSU) Republics” include Armenia, Belarus, Kyrgyzstan, Moldova, Ukraine and Uzbekistan.

Refugee Health Program, Minnesota Department of Health
Primary Refugee Arrivals Screened
Minnesota, 2001-2010

<table>
<thead>
<tr>
<th>Year</th>
<th>Arrivals</th>
<th>Eligible for Screening</th>
<th>Screened</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>2793</td>
<td></td>
<td>2535</td>
</tr>
<tr>
<td>2002</td>
<td>1032</td>
<td></td>
<td>963</td>
</tr>
<tr>
<td>2003</td>
<td>2403</td>
<td></td>
<td>2118</td>
</tr>
<tr>
<td>2004</td>
<td>7351</td>
<td></td>
<td>7009</td>
</tr>
<tr>
<td>2005</td>
<td>5326</td>
<td></td>
<td>5108</td>
</tr>
<tr>
<td>2006</td>
<td>2867</td>
<td></td>
<td>2740</td>
</tr>
<tr>
<td>2007</td>
<td>2867</td>
<td></td>
<td>2697</td>
</tr>
<tr>
<td>2008</td>
<td>1167</td>
<td></td>
<td>1152</td>
</tr>
<tr>
<td>2009</td>
<td>1265</td>
<td></td>
<td>1200</td>
</tr>
<tr>
<td>2010</td>
<td>2320</td>
<td></td>
<td>2241</td>
</tr>
</tbody>
</table>

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

Refugee Health Program, Minnesota Department of Health
Primary Refugees Lost to Follow-up
Minnesota, 2010

Unable To Locate due to Address*
Moved Out of State*
Screened Elsewhere, No Results
Contact Failed
Missed Appointment
Refused Screening
Never Arrived*
Died*

*Ineligible for the refugee health assessment

N=100

Refugee Health Program, Minnesota Department of Health
## Primary Refugee Screenings by Region of Origin, Minnesota, 2010

<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>1,082</td>
<td>23</td>
<td>1,059 (100)</td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>921</td>
<td>42</td>
<td>866 (99)</td>
</tr>
<tr>
<td>North Africa/Middle East</td>
<td>235</td>
<td>4</td>
<td>230 (100)</td>
</tr>
<tr>
<td>Eastern Europe</td>
<td>39</td>
<td>0</td>
<td>33 (85)</td>
</tr>
<tr>
<td>Latin America/Caribbean</td>
<td>43</td>
<td>10</td>
<td>32 (97)</td>
</tr>
</tbody>
</table>

*Percent screened among the eligible
Refugee Screening Rates by Exam Type
Minnesota, 2010

Health Screening Rate
- Malaria: 11% (237/2,220)
- STIs*: 99% (2,220/2,241)
- Tuberculosis (TB): 97% (2,161/2,220)
- Hepatitis B: 98% (2,185/2,220)
- Intestinal Parasites: 96% (2,129/2,220)
- Lead (<17 yrs old): 91% (890/974)
- STIs* (screened for at least one type of STI): 81% (1,794/2,220)

*Screened for at least one type of STI

Refugee Health Program, Minnesota Department of Health
# Health Status of New Refugees, Minnesota, 2010

<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>2,161 (97%)</td>
<td>607 (28%)</td>
</tr>
<tr>
<td>Hepatitis B infection**</td>
<td>2,185 (98%)</td>
<td>114 (5%)</td>
</tr>
<tr>
<td>Parasitic Infection***</td>
<td>2,129 (96%)</td>
<td>471 (22%)</td>
</tr>
<tr>
<td>Sexually Transmitted Infections(STIs)****</td>
<td>1,794 (81%)</td>
<td>28 (2%)</td>
</tr>
<tr>
<td>Malaria Infection</td>
<td>237 (11%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Lead*****</td>
<td>890 (91%)</td>
<td>16 (2%)</td>
</tr>
<tr>
<td>Hemoglobin Deficiency</td>
<td>2,175 (98%)</td>
<td>443 (20%)</td>
</tr>
</tbody>
</table>

Total screened: N=2,220 (99% of 2,241 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 <17 year old (N=974 screened)
Tuberculosis (Latent or Active) Infection* Among Refugees By Region Of Origin, Minnesota, 2010

N=2,161 screened

- **Overall TB Infection**: 28% (607/2,161)
- **Sub-Saharan Africa**: 40% (335/833)
- **SE/East Asia**: 21% (221/1,046)
- **Latin America/Caribbean**: 16% (4/25)
- **North Africa/Middle East**: 15% (34/224)
- **Europe**: 39% (13/33)

*Diagnosis of Latent TB infection (N=605) or Suspect/Active TB disease (N=2)

Refugee Health Program, Minnesota Department of Health
Hepatitis B infection Among Refugees by Region of Origin, Minnesota, 2010

N=2,185 screened

- Overall Hepatitis B Infection Rate: 5% (114/2,185)
- Sub-Saharan Africa: 4% (37/853)
- SE/East Asia: 7% (76/1,045)
- Latin America/Caribbean: 4% (1/28)
- North Africa/Middle East: 0% (0/227)
- Europe: 0% (0/32)

Refugee Health Program, Minnesota Department of Health
Intestinal Parasitic Infection* Among Refugees by Region of Origin, Minnesota, 2010

N=2,129 screened

Overall Parasitic Infection Rate:
- 22% (471/2,129)

Region of Origin:
- Sub-Saharan Africa: 18% (150/827)
- SE/East Asia: 26% (270/1,033)
- Latin America/Caribbean: 47% (15/32)
- North Africa/Middle East: 16% (33/204)
- Europe: 9% (3/33)

**At least one type of pathogenic intestinal parasite**

Refugee Health Program, Minnesota Department of Health