Primary Refugee Arrivals, Minnesota, 2009

- **Bhutan**: 8%
- **Ethiopia**: 4%
- **Eritrea**: 2%
- **Liberia**: 2%
- **Sudan**: 2%
- **Other**: 8%
- **FSU**: 10%
- **Iraq**: 9%
- **Somalia**: 20%
- **Burma**: 35%

*N = 1,265*

“Other” includes Benin, Bolivia, Cameroon, China (incl. Tibet), Congo (DR), Congo (Rep), Cuba, Djibouti, Gambia, Guatemala, Guinea, Indonesia, Iran, Kenya, Laos (Lao and Hmong), Mali, Nepal, Thailand, Togo, Vietnam and Zimbabwe

“Former Soviet Union (FSU) Republics” include Belarus, Kyrgyzstan, Moldova, Russia and Ukraine
Primary Refugee Arrivals Screened in Minnesota 2000-2009

*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, 2009

N=96

Unable To Locate due to Address*
Moved Out of State*
Screened Elsewhere, No Results
Contact Failed
Data Not Returned
Refused Screening
Died*

*Ineligible for the refugee health assessment

Refugee Health Program, Minnesota Department of Health
<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>583</td>
<td>13</td>
<td>564 (99)</td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>423</td>
<td>41</td>
<td>366 (96)</td>
</tr>
<tr>
<td>North Africa/ Middle East</td>
<td>119</td>
<td>5</td>
<td>113 (99)</td>
</tr>
<tr>
<td>Eastern Europe</td>
<td>126</td>
<td>0</td>
<td>126 (100)</td>
</tr>
<tr>
<td>Latin America/ Caribbean</td>
<td>14</td>
<td>6</td>
<td>0 (0)</td>
</tr>
</tbody>
</table>

*Percent screened among the eligible
Refugee Health Program, Minnesota Department of Health
### Health Status of New Refugees, Minnesota, 2009

<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><strong>TB (latent or active)</strong></td>
<td>1,130 (97%)</td>
<td>336 (30%)</td>
</tr>
<tr>
<td><strong>Hepatitis B infection</strong></td>
<td>1,140 (98%)</td>
<td>62 (5%)</td>
</tr>
<tr>
<td><strong>Parasitic Infection</strong></td>
<td>1,015 (87%)</td>
<td>273 (27%)</td>
</tr>
<tr>
<td><strong>Sexually Transmitted Infections (STIs)</strong></td>
<td>432 (37%)</td>
<td>10 (2%)</td>
</tr>
<tr>
<td><strong>Malaria Infection</strong></td>
<td>41 (1%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td><strong>Lead</strong></td>
<td>167 (97%)</td>
<td>1 (&lt;1%)</td>
</tr>
</tbody>
</table>

Total screened: N=1,169 (97% of 1,200 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=172 screened)
Tuberculosis (Latent or Active) Infection*
Among Refugees By Region Of Origin, Minnesota, 2009

N=1,130 screened

- Overall TB Infection: 30% (336/1,130)
- Sub-Saharan Africa: 42% (150/355)
- SE/East Asia: 26% (144/555)
- North Africa/Middle East: 15% (16/109)
- Eastern Europe: 23% (26/111)

*Diagnosis of Latent TB infection (N=332) or Suspect/Active TB disease (N=4)
Screening results not available for Latin America/Caribbean refugees due to loss to follow-up (N=14)

Refugee Health Program, Minnesota Department of Health
Hepatitis B infection Among Refugees by Region of Origin, Minnesota, 2009

N=1,140 screened

Overall Hepatitis B Infection Rate: 5% (62/1,140)

Sub-Saharan Africa: 4% (15/359)

SE/East Asia: 8% (42/557)

North Africa/Middle East: 0% (0/111)

Eastern Europe: 4% (5/113)

Screening results not available for Latin America/Caribbean refugees due to loss to follow-up (N=14)

Refugee Health Program, Minnesota Department of Health
Intestinal Parasitic Infection* Among Refugees by Region of Origin, Minnesota, 2009

N=1,015 screened

Overall Parasitic Infection Rate
- 27% 273/1,015

Sub-Saharan Africa
- 22% 66/298

SE/East Asia
- 35% 184/530

North Africa/Middle East
- 16% 14/90

Eastern Europe
- 9% 9/97

*At least one stool parasite found (including nonpathogenic)

Refugee Health Program, Minnesota Department of Health

*At least one type of pathogenic intestinal parasite
Screening results not available for Latin America/Caribbean refugees due to loss to follow-up (N=14)