Primary* Refugee Arrivals to MN by Region of World
1979-2012

Number of arrivals

Southeast Asia
Sub-Saharan Africa
Former Soviet Union
Eastern Europe
Middle East/North Africa
Other

*First resettled in Minnesota
Primary Refugee Arrival by Month, Minnesota, 2008-2012

Refugee Health Program, Minnesota Department of Health
2012 Primary Refugee Arrivals To Minnesota (N=2,264)

Number of Refugee Arrivals By Initial County Of Resettlement

- 0
- 1-10
- 11-30
- 31-100
- 101-250
- 251-500
- >500
Primary Refugee Arrivals, Minnesota 2012

N=2,264

“Other” includes Belarus, Cameroon, China, DR Congo, Cuba, Eritrea, Guatemala, Indonesia, Iran, Ivory Coast, Kenya, Laos/Hmong, Liberia, Mexico, Moldova, Nepal, Russia, Sudan, Tanzania, and Ukraine

Refugee Health Program, Minnesota Department of Health
Country of Origin by County of Resettlement, 2012

- **Ramsey (N=1,196)**
  - Somalia
  - Bhutan
  - Ethiopia
  - Iraq
  - Other

- **Hennepin (N=559)**
  - Somalia
  - Ethiopia
  - Bhutan
  - Other

- **Stearns (N=118)**
  - Somalia
  - Iraq

- **Olmsted (N=90)**
  - Somalia
  - Sudan

Refugee Health Program, Minnesota Department of Health
Primary Refugee Arrivals Screened
Minnesota, 2002-2012*

*Ineligible if moved out of state or to an unknown destination, unable to locate or died before screening
Primary Refugees Lost to Follow-up
Minnesota, 2012

- Contact Failed, 20%
- Unable to Locate, Incorrect Address*, 23%
- Missed Appointment, 2%
- Refused Screening, 2%
- Screened Elsewhere, No Results, 8%
- Moved Out of State*, 45%

N=87

*Ineligible for the refugee health assessment
# Primary Refugee Screenings by Region of Origin, Minnesota, 2012

<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>SE Asia/E Asia</td>
<td>995</td>
<td>11</td>
<td>983 (&gt;99%)</td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>1,036</td>
<td>45</td>
<td>972 (98%)</td>
</tr>
<tr>
<td>North Africa/Middle East</td>
<td>180</td>
<td>0</td>
<td>174 (99%)</td>
</tr>
<tr>
<td>Eastern Europe</td>
<td>44</td>
<td>0</td>
<td>44 (100%)</td>
</tr>
<tr>
<td>Latin America/Caribbean</td>
<td>8</td>
<td>2</td>
<td>4 (67%)</td>
</tr>
</tbody>
</table>

*Percent screened among the eligible
Refugee Screening Rates by Exam Type
Minnesota, 2012

<table>
<thead>
<tr>
<th>Exam Type</th>
<th>Rate</th>
<th>screened/total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Screening</td>
<td>99%</td>
<td>2,177/2,205</td>
</tr>
<tr>
<td>Tuberculosis (TB)</td>
<td>98%</td>
<td>2,141/2,177</td>
</tr>
<tr>
<td>Hepatitis B</td>
<td>99%</td>
<td>2,152/2,177</td>
</tr>
<tr>
<td>Intestinal Parasites</td>
<td>96%</td>
<td>2,093/2,177</td>
</tr>
<tr>
<td>Lead (&lt;17 yrs old)</td>
<td>97%</td>
<td>819/819</td>
</tr>
<tr>
<td>STIs*</td>
<td>96%</td>
<td>2,081/2,177</td>
</tr>
<tr>
<td>Malaria</td>
<td>6%</td>
<td>125/2,177</td>
</tr>
</tbody>
</table>

*Screened for at least one type of STI

Refugee Health Program, Minnesota Department of Health
### Health Status of New Refugees, Minnesota, 2012

<table>
<thead>
<tr>
<th>Health status upon arrival infection</th>
<th>No of refugees screened</th>
<th>No(%) with among screened</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB (latent or active)**</td>
<td>2,141 (98%)</td>
<td>478 (22%)</td>
</tr>
<tr>
<td>Hepatitis B infection***</td>
<td>2,152 (99%)</td>
<td>121 (6%)</td>
</tr>
<tr>
<td>Parasitic Infection****</td>
<td>2,093 (96%)</td>
<td>289 (14%)</td>
</tr>
<tr>
<td>Sexually Transmitted</td>
<td>2,081 (96%)</td>
<td>25 (1%)</td>
</tr>
<tr>
<td>Parasitic Infection****</td>
<td>2,093 (96%)</td>
<td>289 (14%)</td>
</tr>
<tr>
<td>Malaria Infection</td>
<td>125 (6%)</td>
<td>2 (2%)</td>
</tr>
<tr>
<td>Lead******</td>
<td>819 (95%)</td>
<td>12 (1%)</td>
</tr>
<tr>
<td>Hemoglobin</td>
<td>2,141 (98%)</td>
<td>444 (21%)</td>
</tr>
</tbody>
</table>

Total screened: **N=2,177** (99% of 2,205 eligible refugees)

* For refugees arriving into the US from 1/1/2012 through 12/31/2012
** Persons with LTBI (>= 10mm induration or IGRA+, normal CXR) or suspect/active TB disease
*** Positive for Hepatitis B surface antigen (HBsAg)
**** Positive for at least one intestinal parasite infection
***** Positive for at least one STI (tested for syphilis, HIV, chlamydia or gonorrhea)
****** Children <17 years old (N=837 screened)
Tuberculosis (Latent or Active) Infection* Among Refugees By Region Of Origin, Minnesota, 2012

N=2,141 screened

- Overall TB Infection: 22% (478/2,141)
- Sub-Saharan Africa: 30% (284/953)
- SE/East Asia: 18% (170/970)
- Latin America/Caribbean: 0% (0/4)
- North Africa/Middle East: 12% (21/170)
- Europe: 7% (3/44)

*Diagnosis of Latent TB infection (N=467) or Suspect/Active TB disease (N=7)

Refugee Health Program, Minnesota Department of Health
Hepatitis B infection Among Refugees by Region of Origin, Minnesota, 2012

N=2,152 screened

Overall Hepatitis B Infection Rate
- 6% 121/2,152

Sub-Saharan Africa
- 5% 50/956

SE/East Asia
- 7% 70/978

Latin America/Caribbean
- 0% 0/4

North Africa/Middle East
- 1% 1/170

Europe
- 0% 0/44

Refugee Health Program, Minnesota Department of Health
Intestinal Parasitic Infection* Among Refugees by Region of Origin, Minnesota, 2012

N=2,093 screened

- Overall Parasitic Infection Rate: 14% (289/2,093)
- Sub-Saharan Africa: 12% (111/943)
- SE/East Asia: 16% (161/971)
- Latin America/Caribbean: 0% (0/4)
- North Africa/Middle East: 12% (16/131)
- Europe: 2% (1/44)

*At least one type of pathogenic intestinal parasite

Refugee Health Program, Minnesota Department of Health
Health Status of New Refugees, Minnesota
Immunization Status, 2002 - 2012

% with Evidence of Immunizations

Year

Overseas
Domestic

Refugee Health Program, Minnesota Department of Health