Epidemiology of Human T-cell Lymphotropic Virus Type 1 Infection in Blood Donors, Israel

Technical Appendix

Classification of Countries for Determination of Ethnic Origin

Asia
Bangladesh, Bhutan, Cambodia, People’s Republic of China, Hong Kong, India, Indonesia, Japan, Republic of Korea, Lao People’s Democratic Republic, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, the Philippines, Singapore, Sri Lanka, Taiwan, People’s Republic of China, Thailand, Vietnam

Central/South America
Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Ecuador, El Salvador, French Guiana, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Panama, Paraguay, Peru, Puerto Rico, Suriname, Trinidad and Tobago, Uruguay, Venezuela

Eastern Europe
Albania, Belarus, Bulgaria, Czechoslovakia (no longer exists), Estonia, Hungary, Latvia, Lithuania, Republic of Moldova, Poland, Romania, Russian Federation, Ukraine, Union of Soviet Socialist Republics (no longer exists), Yugoslavia (no longer exists)

Western Europe
Austria, Belgium, Denmark, Finland, France, Germany, Greenland, Iceland, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom (Great Britain).

Middle East
Afghanistan, Armenia, Azerbaijan, Cyprus, Georgia, Greece, Iraq, Islamic Republic of Iran, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Lebanon, Saudi Arabia, Syrian Arab Republic, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yemen
North Africa
Algeria, Egypt, Libyan Arab Jamahiriya, Morocco, Sudan, Tunisia

North America
Canada, United States of America

Oceania
Australia, New Zealand, Papua New Guinea

Sub-Saharan Africa
### Technical Appendix Table. Worldwide prevalence of human T-cell lymphotropic virus 1 (HTLV-1) carriers among blood donors*

<table>
<thead>
<tr>
<th>Region and location of study population</th>
<th>No. donors tested</th>
<th>No. HTLV-1–positive donors</th>
<th>Prevalence/100,000 population</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eastern Europe</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latvia</td>
<td>150</td>
<td>0</td>
<td>0 (1)</td>
<td></td>
</tr>
<tr>
<td>Romania</td>
<td>621</td>
<td>4</td>
<td>640 (2)</td>
<td></td>
</tr>
<tr>
<td>Russia, Moscow†</td>
<td>NA</td>
<td>NA</td>
<td>1,400 (3)</td>
<td></td>
</tr>
<tr>
<td><strong>Western Europe</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denmark</td>
<td>NA</td>
<td>NA</td>
<td>2 (4)</td>
<td></td>
</tr>
<tr>
<td>Europeans without obvious risk factors</td>
<td>NA</td>
<td>NA</td>
<td>1–2 (4)</td>
<td></td>
</tr>
<tr>
<td>France</td>
<td>NA</td>
<td>NA</td>
<td>1,400 (3)</td>
<td></td>
</tr>
<tr>
<td>France</td>
<td>1,816,927</td>
<td>66</td>
<td>3.9 (5)</td>
<td></td>
</tr>
<tr>
<td>The Netherlands</td>
<td>674,000</td>
<td>15</td>
<td>2 (4)</td>
<td></td>
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<tr>
<td>Southwestern Greece</td>
<td>107,302</td>
<td>NA</td>
<td>5.6 (6)</td>
<td></td>
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<tr>
<td>Spain</td>
<td>530,000</td>
<td>NA</td>
<td>1.1 (7)</td>
<td></td>
</tr>
<tr>
<td>Sweden</td>
<td>235,000</td>
<td>6</td>
<td>2 (4)</td>
<td></td>
</tr>
<tr>
<td>Sweden</td>
<td>612,000</td>
<td>6</td>
<td>1 (8)</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>68,520</td>
<td>5</td>
<td>7 (8)</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>NA</td>
<td>NA</td>
<td>5 (4)</td>
<td></td>
</tr>
<tr>
<td><strong>North America</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada‡</td>
<td>81,962</td>
<td>10</td>
<td>12.2 (9)</td>
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</tr>
<tr>
<td>USA†</td>
<td>39,898</td>
<td>10</td>
<td>25 (10)</td>
<td></td>
</tr>
<tr>
<td>USA‡</td>
<td>6,400,000</td>
<td>442</td>
<td>7 (9)</td>
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<tr>
<td><strong>Latin America</strong></td>
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<tr>
<td>Argentina</td>
<td>76,246</td>
<td>25</td>
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<tr>
<td>Argentina, Buenos Aires</td>
<td>86,238</td>
<td>NA</td>
<td>34 (13)</td>
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<tr>
<td>Brazil</td>
<td>6,218,619</td>
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<td>40–1,000 (14)</td>
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<tr>
<td>Caracas, Venezuela</td>
<td>23,413</td>
<td>23</td>
<td>98 (15)</td>
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<td><strong>Middle East</strong></td>
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</tr>
<tr>
<td>Iran, Mashhad</td>
<td>28,928</td>
<td>208</td>
<td>770 (16)</td>
<td></td>
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<tr>
<td>Saudi Arabia</td>
<td>16,434</td>
<td>9</td>
<td>40 (17)</td>
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<tr>
<td>Lebanon</td>
<td>1,900</td>
<td>0</td>
<td>0 (18)</td>
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<tr>
<td>Turkmenistan</td>
<td>1,510</td>
<td>3</td>
<td>199 (19)</td>
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<tr>
<td><strong>North Africa</strong></td>
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<tr>
<td>Egypt</td>
<td>133</td>
<td>3</td>
<td>2,255 (20)</td>
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<tr>
<td>Tunisia</td>
<td>500</td>
<td>1</td>
<td>50 (21)</td>
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<tr>
<td><strong>Sub-Saharan Africa</strong></td>
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<td>Burkina Faso</td>
<td>191</td>
<td>2</td>
<td>1,047 (22)</td>
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<tr>
<td>Senegal</td>
<td>4,900</td>
<td>7</td>
<td>143 (23)</td>
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<tr>
<td><strong>Asia</strong></td>
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<td></td>
</tr>
<tr>
<td>India§</td>
<td>10,000</td>
<td>18</td>
<td>180 (24)</td>
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<tr>
<td>Russia, Komsomolsk-na-Amure†</td>
<td>NA</td>
<td>NA</td>
<td>1,600 (3)</td>
<td></td>
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<tr>
<td>Russia, Yuzhno-Sakhalinsk†</td>
<td>NA</td>
<td>NA</td>
<td>5,450 (3)</td>
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</tr>
</tbody>
</table>

*Ref., reference; NA, not available.
†By passive agglutination.
‡By ELISA.
§Combined HTLV-1 and HTLV-2.

### References


