### Zika virus infections in humans 1954–2007, confirmed by virus isolation

<table>
<thead>
<tr>
<th>Case number</th>
<th>Year</th>
<th>Location</th>
<th>Description</th>
<th>Reference/notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1954</td>
<td>Nigeria</td>
<td>10-yr-old African female with fever and headache</td>
<td>MacNamara 1954¹</td>
</tr>
<tr>
<td>2*</td>
<td>1956</td>
<td>Nigeria</td>
<td>Experimentally induced in a 34-yr-old European male, residing in Nigeria for 4 ½ months before inoculation; symptoms included headache and fever</td>
<td>Bearcroft 1956²</td>
</tr>
<tr>
<td>3</td>
<td>1964†</td>
<td>Uganda</td>
<td>28-yr-old European male, residing in Uganda for 2 ½ months before illness; with headache, rash, and fever</td>
<td>Simpson 1964³</td>
</tr>
</tbody>
</table>
| 4, 5, 6     | 1968 | Nigeria  | Virus isolate from 3 febrile children, aged:  
• 10 months  
• 2 ½ years  
• 3 years  
No clinical details available | Moore 1975⁴ |
| 7, 8        | 1979‡| Nigeria  | • 2 ½ yr-old boy with fever  
• 10-yr-old boy with fever, headache, and body pains | Fagbami 1979⁵ |

40% persons tested had neutralising antibodies to Zika virus (more frequently in younger people), demonstrating high prevalence of immunity in Nigeria. Unreported cases likely misdiagnosed as malaria.
<table>
<thead>
<tr>
<th>Year</th>
<th>Country</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973</td>
<td>Portugal</td>
<td>Male arbovirus laboratory worker who had been vaccinated against yellow fever 2 months before infection; with chills, fever, sweating, retro-orbital pain, and pain in the back of the neck and in the joints</td>
<td>Filipe 1973&lt;sup&gt;6&lt;/sup&gt;</td>
</tr>
</tbody>
</table>
| 1981<sup>§</sup> | Indonesia | 7 cases in hospitalized patients:  
- 16-yr-old female  
- 14-yr-old male  
- 12-yr-old male  
- 32-yr-old female  
- 12-yr-old female  
- 25-yr-old female  
- 13-yr-old male  
All cases had fever; none had rash | Olson 1981<sup>7</sup> |

* Not naturally occurring

† Infection occurred 1962-63; case published 1964

‡ Blood specimens for the 2 isolates were collected in July 1971 and May 1975; cases published in 1979

§ Cases occurred in 1977 and 1978; published 1981

---


