This infographic provides a summary of AEFIs reported in Ontario following vaccines administered in 2022. This does not include data on COVID-19 vaccine AEFIs.

**Vaccines are very safe**

Ongoing monitoring is a key component of vaccine safety. Ontario continues to closely monitor vaccine safety data in collaboration with local, provincial, territorial, and national partners.

**What is an adverse event?**

An adverse event following immunization (AEFI) is an unwanted or unexpected health effect that happens after someone receives a vaccine, which may or may not be caused by the vaccine.

<table>
<thead>
<tr>
<th>What happened?</th>
<th>Reporting Rate:</th>
<th>Number of reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pain, redness or swelling at the injection site</td>
<td>28.8 per 100,000</td>
<td>260</td>
</tr>
<tr>
<td>Allergic skin reaction</td>
<td>19.8 per 100,000</td>
<td>180</td>
</tr>
<tr>
<td>Rash</td>
<td>17.8 per 100,000</td>
<td>150</td>
</tr>
</tbody>
</table>

**Age and sex distribution**

Infants under one year and children aged one to three years had the highest AEFI reporting rates. The likely explanation is the relatively high number of vaccines given to children under 2 years, which creates more opportunities for AEFIs to occur and to be reported to a health care provider.

- **Infants under one year:** 20.9 per 100,000 population
- **Children aged one to three years:** 12.2 per 100,000 population
- **64% of reported AEFIs came from females**

**How to report an AEFI**

Vaccine recipients can report AEFIs to their health care provider or local public health unit. Physicians and other health care providers are required to report AEFIs to their local public health unit. For more information on how to report an AEFI, please see the reporting guide for Health Care Providers in Ontario.

For more information on vaccine safety data in Ontario, please refer to the Vaccine Safety Surveillance Tool at publichealthontario.ca/vaccinesafety.

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For more information on AEFIs reported for COVID-19 vaccines, please see the surveillance report on AEFIs for COVID-19 in Ontario.