Ongoing surveillance of adverse events following immunization (AEFI) is essential for monitoring vaccine safety and maintaining confidence in immunization programs. The following is a summary of AEFIs reported in Ontario following vaccines administered in 2018.

There was a wide variation in AEFI reporting rates among public health units (PHUs) ranging from 0.0 to 19.5 per 100,000 population.

- **Ontario reporting rate:** 5.1 reports of adverse events per 100,000 population
- **National rate:** 1.72 per 100,000 population
- **Highest PHU rate:** 19.5
- **Lowest PHU rate:** 0.0

8.6 million doses of publicly funded vaccine distributed in Ontario.

742 reports of adverse events following immunization.

21 adverse events classified as serious.

### Types of adverse events

Most reported adverse events were mild. Among reports of AEFIs, the most frequently reported reactions were:

- **Pain, redness or swelling at the injection site:** 42%
- **Rash:** 26%
- **Allergic skin reaction:** 14%
Physicians and other health care providers reported the majority of AEFIs (67%).

Family member and self-reports accounted for 27% of AEFI reports.

For more information please refer to the Annual Report on Vaccine Safety, 2018 and the Online Data Tool at: publichealthontario.ca/vaccinesafety