Virginia Immunization Information System (VIIS)

People receive vaccinations from a variety of places

- Hospital
- OB/GYN
- Workplace
- Doctor's office
- Public health department
- Urgent care
- Pharmacy

These sources send vaccination records to state or city IIS

IISs provide records to patients and authorized professionals

- Parents and general public use the information to enroll children in schools and day care and to determine if they need vaccinations.
- Doctors and health care providers use IISs to determine which vaccinations are needed and to care for patients.
- Public health uses the information to develop programs that increase vaccination coverage and decrease the harm caused by vaccine-preventable diseases.

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Value of an Immunization Information System (IIS)

Immunization information systems (IIS) are confidential, secure, population-based, computerized databases that record all immunization doses administered by participating healthcare providers.

IIS at a Glance

- 62 independent IIS exist in the U.S. and its territories.
- ~200,000 healthcare provider sites are already connected to and participating in an IIS, 1 with more onboarding each week.
- In the U.S., 95% of children (<6 years), 80% of adolescents, and 56% of adults (≥19 years) have immunization records in an IIS.

The Virginia Immunization Information System (VIIS) is a powerful tool for managing immunization records and supporting healthier communities. Important aspects of this system include:

1. **VACCINE REPORTING**
   
   All vaccine doses administered, along with key data fields (name, DOB, etc.), should be reported to an IIS, for all ages. Comprehensive data capture enables public health and lawmakers to fully understand vaccination coverage. Enable all vaccine providers to access consolidated records for their patients in the IIS and record all doses administered into the IIS.

2. **RESPONDING TO OUTBREAKS**
   
   IIS are a proven tool for responding to outbreaks. IIS have been central to the response to outbreaks of measles, hepatitis A, H1N1 and now COVID.

3. **ENSURING PRIVACY**
   
   Security and privacy are ensured through multiple steps. Users must be authorized by VDH first. Encryption is used for transmitting all data over the Internet. User data is deidentified when used in statistical studies and analysis.

4. **PROTECTING RIGHTS TO OPT OUT**
   
   Opt-out policies reduce barriers to capturing patient immunization information in IIS. It also allows families the opportunity to not participate and respect their rights to the information.