

IMMUNIZATION INFORMATION SYSTEMS AND COVID-19 VACCINATION

Immunization information systems (IIS) are electronic databases that record vaccination doses administered by participating providers. Each state owns its IIS and systems vary in functionality and set-up.

IIS are central to immunization program function and will be critical in the COVID-19 vaccination response.



Provider Registration

- Enroll 3x-4x the current number of providers
- Train new providers
- Test data transfer from providers to IIS



Vaccine Distribution

- Process provider orders
- Track and manage inventory
- Target high-risk populations and essential personnel



Vaccine Accountability

- Track doses administered
- Track adverse reactions
- Recall patients for a second dose if necessary



Documentation and Reporting

- Analyze vaccine uptake and produce coverage reports
- Share data with other states and CDC
- Provide individuals with proof of vaccination or immunity

SNAPSHOT OF IMMUNIZATION PROGRAMS' IIS USE

The following 2018 data was pulled from CDC's IIS Dashboard tool:
<https://wwwn.cdc.gov/IISDashboard/Query.aspx>.

94% routinely used IIS data in disease investigations

91% used the IIS (provider or immunization program) to generate age-based reminder and/or recall messages for individuals who were not up-to-date on vaccinations

85% produce accountability reports and/or data that support vaccine ordering process

83% display inventory by fund type for each provider site

80% receive vaccine orders and inventory through IIS inventory data populated automatically upon receipt of vaccine

75% have IIS inventory data transfers populate automatically through receipt of vaccine shipment from VTrckS

55% meet the goal of 95% of VFC provider sites reporting data to IIS

52% meet the goal of 95% of individuals of all ages (lifespan) in the jurisdiction in the IIS

19% allow consumers to obtain IIS records directly through a consumer access portal

10% conducted at least one query to an IIS in another jurisdiction (state to state data sharing)