

# CDC Endorsed Patient Demographic and Vaccination Event Data Elements

The CDC endorsed data elements represent the data elements that are needed by an IIS to record patient demographics and vaccination events to meet the IIS Functional Standards v4.0. An IIS should store the CDC endorsed data elements listed below if the elements are sent from an external information system and meet the IIS's data quality criteria. This list does not include all data elements external information systems such as EHRs, vital records, practice management or billing systems are expected to send to an IIS. The list may not include all data elements an IIS produces, stores or sends. Data elements may be derived and architectural solution may differ among IIS.

### Patient Demographic Data Elements

Date of history of vaccine preventable disease	Patient ID
Ethnicity	Patient ID: type
History of disease/titer	IIS Patient ID
Mother's name: first	Patient multiple birth indicator
Mother's name: middle	Patient name: first
Mother's name: last	Patient name: middle
Mother's name: maiden last	Patient name: last
Patient address: county of residence	Patient primary language
Patient address: city	Patient status indicator-provider level
Patient address: country	Patient status-jurisdiction level
Patient address: state	Patient telephone number
Patient address: street	Patient telephone number type
Patient address: zip code	Protection Indicator
Patient alias name: first	Protection indicator effective date
Patient alias name: middle	Reminder recall status
Patient alias name: last	Reminder recall status effective date
Patient birth order	Race
Patient birth state	Responsible person name: first
Patient date of birth	Responsible person name: middle
Patient e-mail address	Responsible person name: last
Patient gender	Responsible person relationship to patient

### Vaccination Event Data Elements

<i>Vaccination Data Elements</i>	<i>Provider Data Elements</i>
Contraindications/precautions	Vaccine ordering provider (person)
Contraindications/precautions observation date	Vaccine administering provider suffix
Dose level eligibility <sup>†</sup>	Vaccine administering provider (person)
Exemptions/refusals date	
Exemptions/refusals reason	<i>Facility Identifier Data Elements</i>
Vaccination administration date	Administered at location
Vaccine dose volume	Sending organization
Vaccine dose volume units	Responsible organization
Vaccination event record type (administered/historical)	
Vaccine funding source (dose level public/private indicator) <sup>††</sup>	
Vaccine expiration date	
Vaccine lot number	
Vaccine manufacturer name	
Vaccine product	
Vaccine route of administration <sup>1</sup>	
Vaccine site of administration <sup>1</sup>	
IIS vaccination event ID	
Vaccination event ID	
Vaccine information statement <sup>1</sup>	
Vaccine information statement given date <sup>1</sup>	

**Key**

**Yellow** Data element is new for IIS Functional Standards v4.0.

<sup>1</sup> Data element should be captured in the IIS if the IIS is used as the primary vaccination event record (e.g., mass vaccination clinic).

<sup>†</sup> Definition: the program that should pay for a given immunization, based on the characteristics of the patient and the type of vaccine administered. Eligibility is captured for each dose.

<sup>††</sup> Definition: the funding source of the vaccine administered. Identifies the administered vaccine as publically funded, privately funded, or with other jurisdiction specific funding.