

Custom Data Elements and Values are developed through collaboration with NEMSIS stakeholders. They are provided for States/Territories and EMS Software Vendors to support standardization and consistency in data collection. The ability to add elements and values that are not a part of the current National Data Standard is crucial in responding to the ever-changing environment of EMS.

While data documented in Custom Elements and Values are not sent to the National EMS Data Repository, they are valuable to States/Territories and Vendors in collecting and assessing new and emerging trends without having to implement a full new data standard.

Immunization History Custom Values

Element	Title	Code	NEMSIS Code	Value
dPersonnel.18	EMS Personnel's Immunization Status	9910055	9910027	COVID-19
eHistory.10	The Patient's Type of Immunization	9910055	9910027	COVID-19

Vaccination Custom Elements

Element	Title	Description
eMedications.901	Medication Dose Number	The dosing number for medications requiring a series of administrations.
eMedications.902	Medication Manufacturer	The pharmaceutical manufacturer of the medication administered.
eMedications.903	Medication Lot Number	The lot number of the medication administered.
eMedications.904	Medication Expiration Date	The expiration date of the medication administered.

Vaccination Custom Values

Element	Value	Code	NEMSIS Code	Description
eMedications.08	Medication Complication	3708047	3708043	Syncope
eProcedures.07	Procedure Complication	3907047	3907035	Syncope

Vaccination RxNorm Code

Element	Value	Code	Description
eMedications.03	Medication Given	2468231*	SARS-CoV-2 (COVID-19) vaccine, mRNA spike protein

*The code above is an "Ingredient" code used by both the Moderna and Pfizer vaccines and is recommended for EMS use by the NEMSIS TAC. If desired, the "Precise Ingredient" codes below can be used instead to differentiate between the two vaccines:

Moderna vaccine: 2470232 - SARS-CoV-2 (COVID-19) vaccine, mRNA-1273

Pfizer vaccine: 2468230 - SARS-CoV-2 (COVID-19) vaccine, mRNA-BNT162b2

Immunization Information System Data Fields

Element: IIS Patient Number

Use eOutcome.ExternalDataGroup:

eOutcome.03 - External Report ID/Number Type: 4303013 - Other Registry

eOutcome.04 - External Report ID/Number: The IIS patient number

eOutcome.05 - Other Report Registry Type: "Immunization Information System Patient ID"

Additional Resources

CDC standards related to collection of immunization/vaccination data:

<https://www.cdc.gov/vaccines/programs/iis/functional-standards/func-stds-v4-0.html>

CDC planning for local/state vaccination programs:

https://www.cdc.gov/vaccines/imz-managers/downloads/Covid-19-Vaccination-Program-Interim_Playbook.pdf

Updated CDC COVID-19 vaccine recommendations:

<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations-process.html>