

HL7 Message Profiles

A message profile is a set of constraints on a message type to support a specific use case. Profiles indicate what segments, fields, and components must be included and how each should be formatted. The Implementation Guide (IG) outlines eight message profiles for immunization messaging:

Message Type	Message Profile Name	Profile Purpose/Use
VXU	Z22	Transmit immunization event information
ACK	Z23	Transmit acknowledgement of receipt of VXU message
QBP	Z34	Request patient's complete immunization history
	Z44	Request patient's evaluated immunization history and forecast
RSP	Z32	Return patient's complete immunization history
	Z42	Return patient's evaluated immunization history and forecast
	Z31	Return message indicating a candidate list of potential matches was found
	Z33	Return message indicating that a patient match could not be found

ACK Messages as Feedback

Conformant ACK messages provide information to the data submitter about whether a VXU was accepted and processed without issue, processed with issue(s), or rejected. This automatic feedback can help improve the completeness and accuracy of data submissions to the IIS and in turn improve the quality of immunization records, clinical decision support, and other data and functionality of the IIS.

See [AIRA's guidance documentation](#) on HL7 acknowledgment messages for more information.



Want to learn more?

This quick reference guide was adapted from "HL7 Advanced for IIS." Find it and other useful training and resources for IIS at www.phii.org/iishub.