To achieve Meaningful Use 2 objective - submission of electronic data to immunization registry and to meet M.G.L. c. 111, s.24M, which requires all licensed health care providers who administer immunizations to report all immunization data to the Massachusetts Immunization Information System (MIIS).
A provider administers an immunization to a patient and this data is entered into the patient’s record within the practice’s EHR. The EHR then sends this information as an HL7 2.5.1 VXU message to the Massachusetts Immunization Information System (MIIS) at the Massachusetts Department of Public Health via the Mass HIway. The message is sent to MIIS’s Mass HIway Direct address.

MIIS processes the message and determines it was received successfully. At this point an HL7 2.5.1 ACK message is generated and sent back to the ambulatory practice’s EHR to confirm successful receipt of the original message.