Figure 2

Path of a Vaccine and Related Information Systems

PATH OF A VACCINE Manufacturer Notes: Inventory B, C, E -Vaccines are documented at each step of process. Provider administration and documentation -Influenza vaccine is ordered seasonally and not throughout the ye Billing and reporting 9a. Order submitted to manufacturer GS1 | GS1 | 1. Manufacturer labels HL7 individual vaccine with: D, F 3a. Vaccine Product ID Non-VFC delivered and - Manufacturer ID stored at 6a. Parent/patient provided info: - Product ID manufacturer - Expiration Date warehouse X12 837p Non-VFC GS1 GS1 HL7 HITSP D, F, D, F B, E, H 2. Manufacturer packages B, E B, E 6b. Information entered into medical G, H multiple vaccines and adds secondary label with: 7. Encounter is billed: record: - Product ID 8. Inventory review - Product ID - Manufacturer ID 4. Vaccine orders Product ID and reconciliation of doses billed vs. ls it a VFC - Diagnosis Administration Date delivered to administers Manufacturer ID - Lot # vaccine? providers vaccine - Lot # administered Expiration Date # of Units Administration Date GS1 HL7 VFC HL7 GS1 HITSP D, E, CDC 2.5.1 GS1 CDC 2.5.1 F, G B. C 3b. Vaccine registries: - Product ID delivered and stored at McKesson Manufacturer ID - Lot # - Expiration Date VFC System Letters Noted at Each Step Administration Date Labeling (Manufacturing) Inventory (Manufacturing) В C Inventory (CDC) B, C, E D Pharmacies 9b. Order submitted to state VFC office Immunization Information Systems (IIS) Electronic Health Records (Providers) Practice Management Systems (Providers) Claims (Providers, Health Plans) Red box represents the applicable standard

Abbreviations: CDC, Centers for Disease Control and Prevention; Healthcare Information Technology Standards Panel (HITSP); HL7, Health Level Seven; VFC, Vaccines for Children program.