

2D Barcodes Improve Data Collection and Save Time for Pharmacies

As part of the FDA's on-going efforts to improve tracking and tracing vaccines, two-dimensional (2D) barcodes are required on vaccine units of sale. They help providers **capture and submit accurate and complete vaccine data** during administration and **increase inventory management efficiency**.

Pharmacies have a significant role in the effort to accurately collect and submit vaccination data because many pharmacies now provide vaccines.

ABOUT 2D BARCODES

ALMOST
90%

Of units of use
(i.e., vials and
syringes)
contain 2D
barcodes



IMPORTANT IDENTIFIERS



The National Drug Code (NDC), lot number, and expiration date are some of the available data embedded into the 2D barcode

100%

Of vaccine units of sale (i.e., cases and cartons) contain 2D barcodes



2D BARCODES BENEFITS



Ensures faster, more accurate and complete vaccine data collection and recording



Automates submissions into electronic health record (EHR) or immunization information system (IIS)

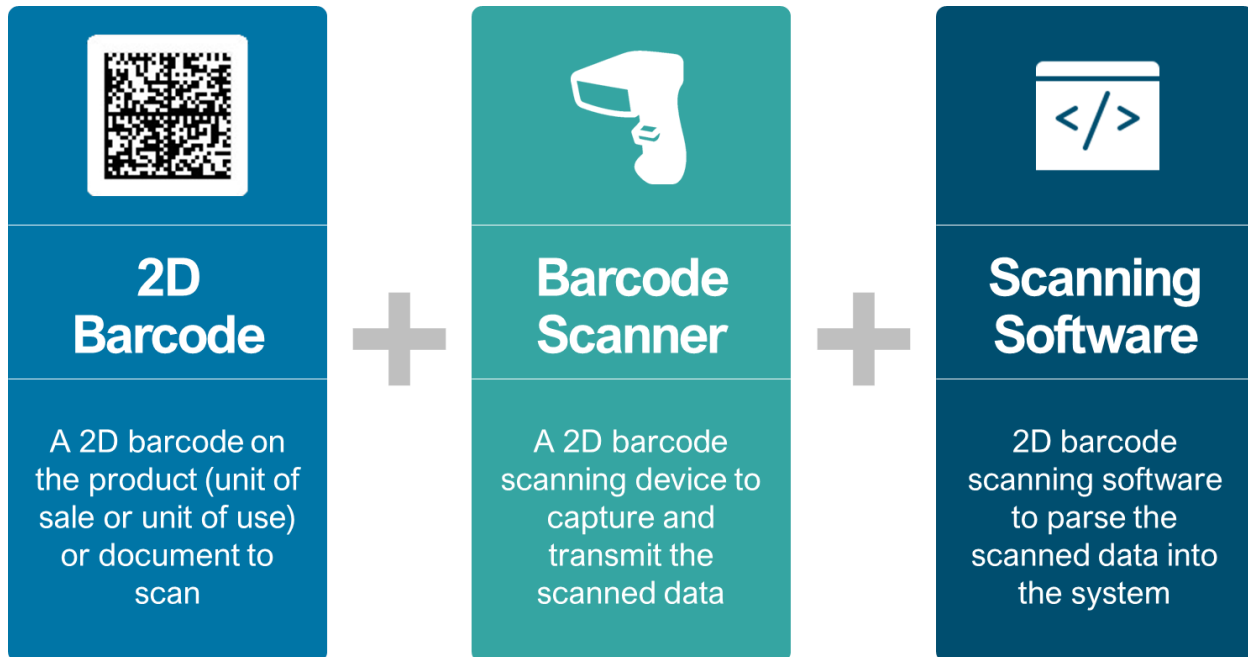


Simplifies tracking and tracing of inventory of units resulting in overall improved accuracy

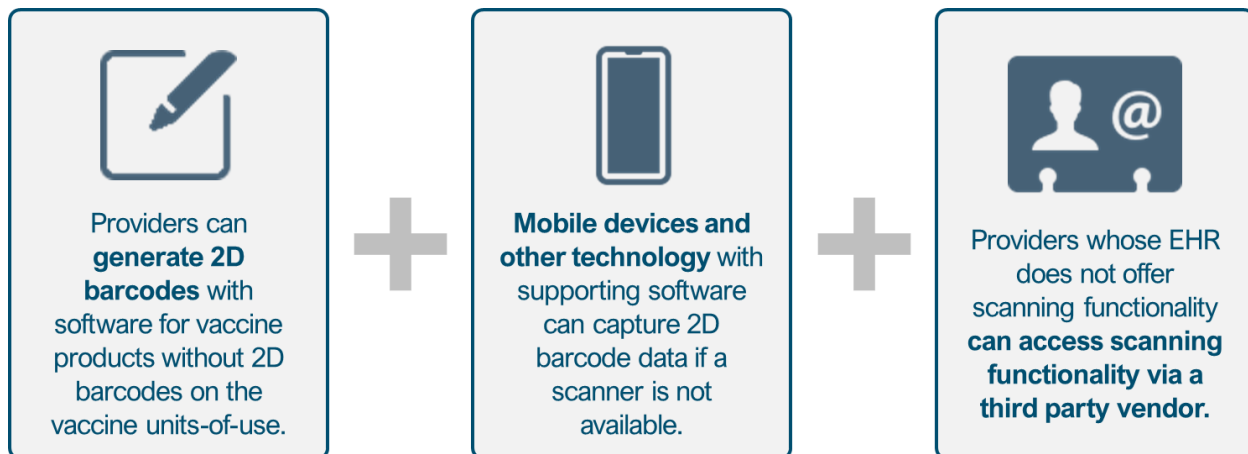


Contains more data elements in less space than linear barcodes or alphanumeric data

2D Barcode Uses Three Components



In cases where one or more recommended components are unavailable for provider use, the following workarounds can be implemented to support existing scanning practices.



Resources for Implementation and Use

The [CDC Vaccine Two-Dimensional \(2D\) Barcodes website](#) offers resources for providers—including pharmacies—to implement 2D barcode scanning and maximize existing scanning practices.

- [Implementation Toolkit](#): lists resources for scanning best practices, training tips, adoption and adherence strategies, and in-depth guides for technical implementation.
- [Software Functional Capabilities Guide](#): supports the development of scanning functionality for health information systems.
- [2D Barcodes Shipping Table](#): lists the vaccine products that have 2D barcodes on the unit-of-use.