2D Barcode Technology

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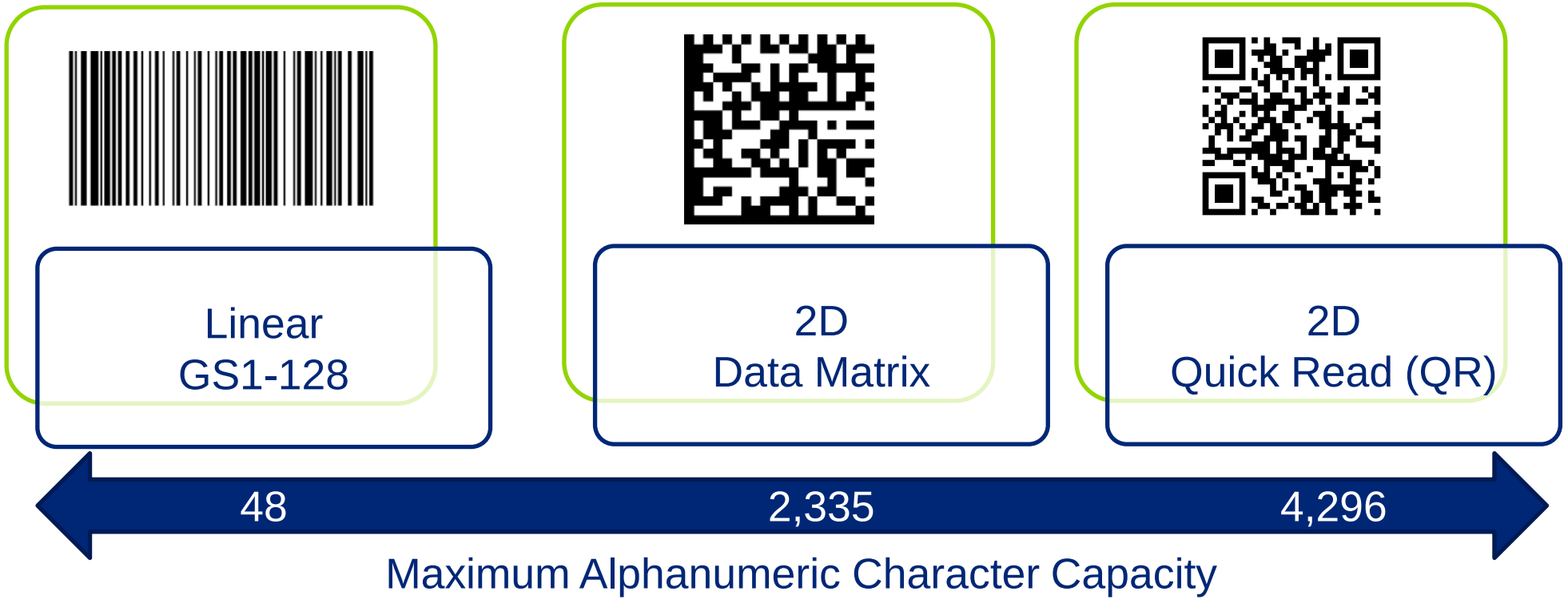
Two-Dimensional (2D) Barcodes

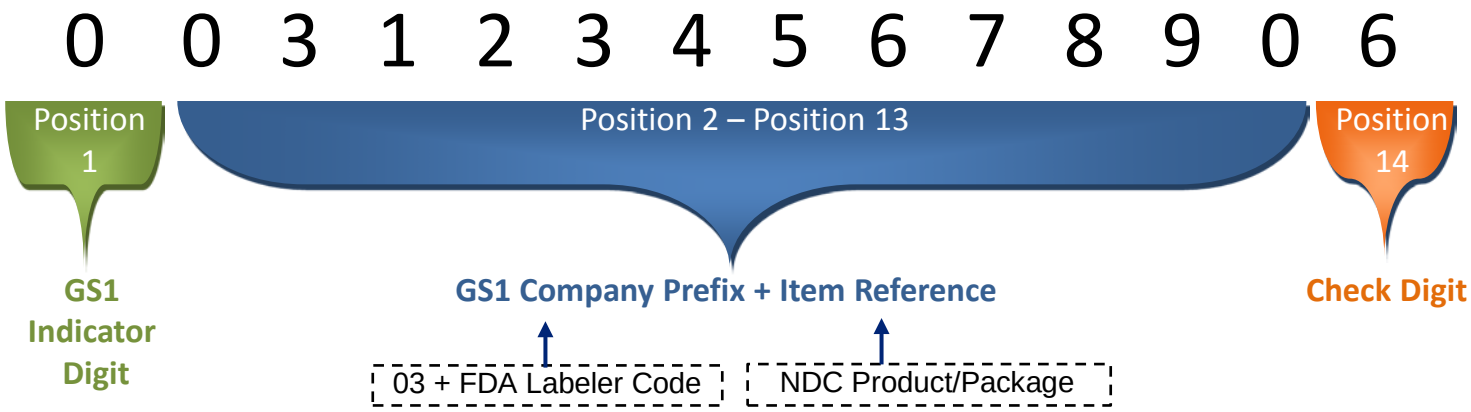
Barcode Symbology Examples



Global Trade Item Number (GTIN)

- In 2D barcodes, the NDC is embedded in the GTIN.

GTIN with embedded NDC

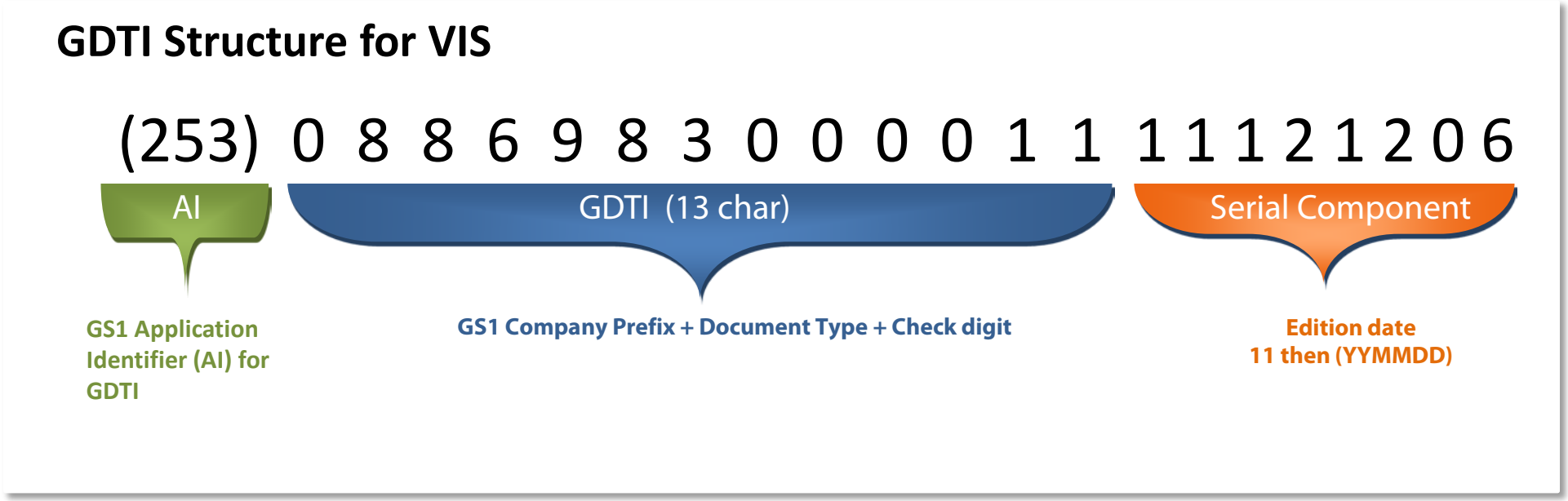


Scanned 2D Barcode Data example

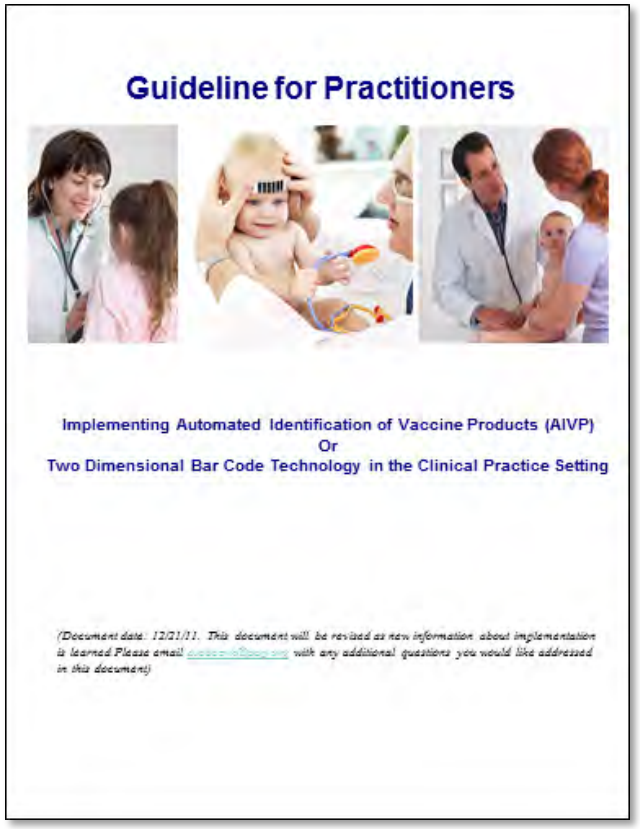
- **01003492815890581713102810U4275AA** is the 2D barcode data string
- **GTIN = 00349281589058**
- **Expiration Date = 131028 (YYMMDD)**
- **Lot # = U4275AA**
- **01, 17 and 10 are GS1 Application Identifiers**

Global Document Type Identifier (GDTI)

- GDTI is a code that identifies a document by type. For instance the VIS for influenza and for MMR would have different GDTI codes.
- The GDTI for a specific VIS document will not change, even as new editions are published.
- Application Identifiers are bracketed in in the Human Understandable Interpretation. The parentheses are not part of the data and are not encoded in the barcode



2D Barcode Scanner Considerations


Guideline for Practitioners

Implementing Automated Identification of Vaccine Products (AIVP)
Or
Two Dimensional Bar Code Technology in the Clinical Practice Setting

(Document date: 12/21/11. This document will be revised as new information about implementation is learned Please email with any additional questions you would like addressed in this document)

Examples of 2D Barcode Scanning Products

AAP Guidance for Practitioners
http://www2.aap.org/immunization/pediatricians/BarcodingClinicianGuidance.doc

GS1 Data Matrix References

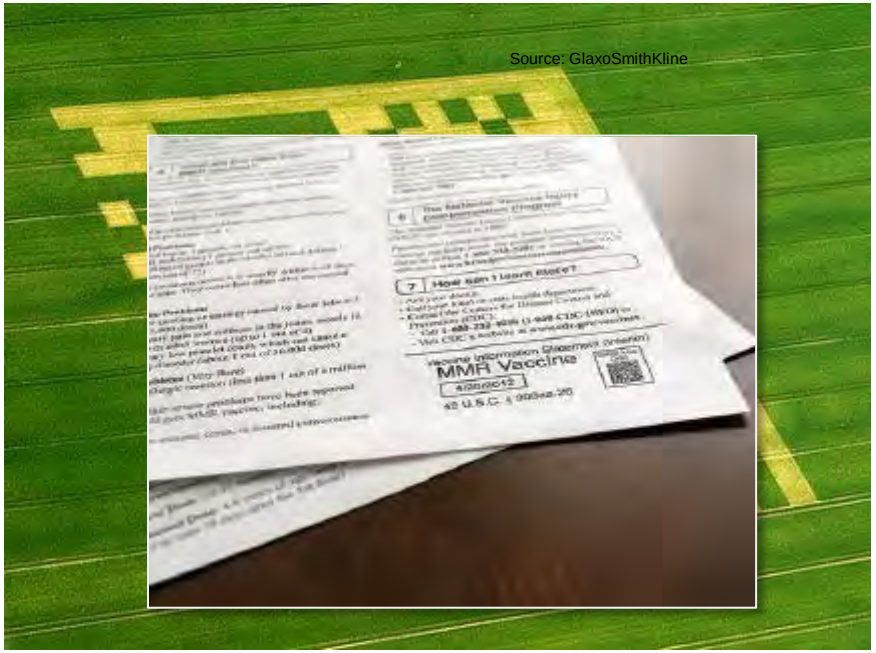
GS1 Implementation Resources website
http://www.gs1us.org/industries/healthcare/tools-and-resources/implementation-resources

2D Barcode Immunization-Based Applications

Source: GlaxoSmithKline

Source: GS1 Healthcare US

2D Barcode Immunization-Based Applications



http://hello.w0r1d.net/

Questions?