

# GS1 Healthcare US<sup>®</sup> Terms and Definitions

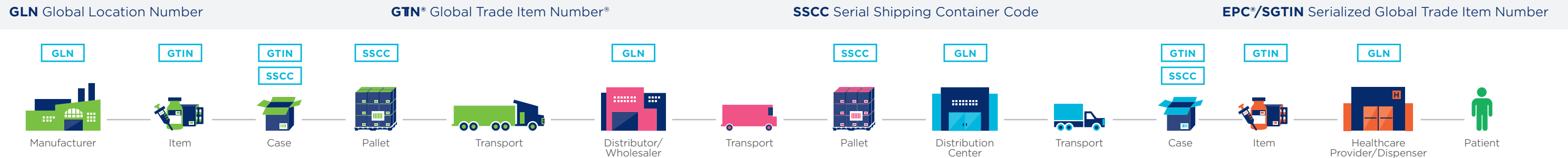


Term	Acronym	Definition	Term	Acronym	Definition
<b>Advance Ship Notice</b>	ASN	The Electronic Data Interchange (EDI) transaction that provides the receiving company with advance data on shipments to better plan workloads and receipt processing.			
<b>Application Identifier</b>	AI	The field of two or more digits at the beginning of an element string that uniquely identifies its format and its meaning within the GS1 System. In a GS1-128 or GS1 DataMatrix, these numbers use parentheses.	<b>GS1 DataBar<sup>®</sup></b>		The GS1 DataBar Truncated is designed for very small item identification and is mainly used within the healthcare industry. It cannot be scanned with Flatbed POS scanners. It encodes three specific instances of the Global Trade Item Number; e.g., GTIN-12, GTIN-13, and GTIN-14. Used on unit dose pharmaceuticals.  The GS1 DataBar Limited is designed for very small item identification and is mainly used within the healthcare industry. It cannot be scanned with Flatbed POS scanners. It is “limited” to the use of zero ‘0’ or one ‘1’ in the first data position. Used on very small healthcare items such as ampoules.
<b>Critical Tracking Event</b>	CTE	Those instances where product is moved between premises, is transformed, or is otherwise determined to be a point where data capture is necessary to trace a product. Typically answers the questions What?, Where?, When?, and Why?			
<b>Electronic Data Interchange</b>	EDI	Transactional data that enables the computer-to-computer exchange of business documents between companies using a standardized format.	<b>GS1 Identification Numbers</b>		A globally managed system of numbering to identify trade items, logistic units, locations, legal entities, assets, service relationships, and more. The numbers are built by combining the GS1 Company Prefix with standards-based rules for allocating reference numbers.
<b>Electronic Product Code Information Services</b>	EPCIS	EPCIS is a GS1 Standard that enables trading partners to share information about the physical movement and status of products. It helps answer the “what, where, when, and why” questions for accurate and detailed product information.	<b>ITF-14 Barcode</b>	ITF-14	Interleaved 2 of 5 barcode symbology, encoding GTIN-14 for cases/cartons.
<b>Global Location Number</b>	GLN	Globally unique, 13-digit number, used to identify the locations of parties involved in business transactions. These can be functional groups within a company or real, physical “places” that might ship, receive, process, or hold inventories.	<b>Key Data Element</b>	KDE	Data attributes required to successfully trace a product and/or its ingredients across the supply chain, through all relevant Critical Tracking Events (CTEs).
<b>Global Data Synchronization Network<sup>™</sup></b>	GDSN <sup>®</sup>	An Internet-based, interconnected network of interoperable data pools and the GS1 Global Registry <sup>®</sup> that enables companies to exchange standardized and synchronized supply chain data.	<b>Quick Response Code</b>	QR Code	Matrix barcode symbology, carries up to 4,296 characters, can hold a URL.
<b>Global Trade Item Number<sup>®</sup></b>	GTIN <sup>®</sup>	Uniquely identifies products at all item and package levels. GTINs are used in barcodes scanned at retail point-of-sale and on inner packs, cases, and pallets of products scanned in a distribution or warehouse environment. GTINs may be represented as a GTIN-8, GTIN-12, GTIN-13, or GTIN-14.	<b>Radio Frequency Identification</b>	RFID	EPC <sup>®</sup> -enabled RFID, carries a serialized GTIN or an SSCC.
<b>GS1-128 Barcode</b>	GS1-128	Barcode symbology, encoding GTIN-14, and Application Identifiers (AIs) to include additional data.	<b>Serial Shipping Container Code</b>	SSCC	The globally unique GS1 system identification number for logistic units. The SSCC is an 18-digit number with an extension digit, GS1 Company Prefix, Serial Reference, and Check Digit.
<b>GS1 Company Prefix</b>		Unique identification number licensed to your company, used to create barcodes and identification numbers. Identifies your company and brand in the global supply chain.	<b>Traceability</b>		The verifiable custody chain of a product. Whole chain traceability includes: 1) External: data exchange and business processes between trading partners to track/trace 2) Internal: confidential data and processes used within a company’s operations to track/trace
<b>GS1 DataMatrix</b>		The GS1 DataMatrix barcode is perfect for healthcare environments where vital information needs to be captured for thousands of medical products that are very small in size—like prescription drug blisters, bottles, vials, and syringes. It is also the GS1-recommended symbol for direct marking. The GS1 DataMatrix is a 2D barcode that can hold large amounts of data—up to 2,335 characters—in a very small footprint.	<b>Trade Item</b>		Any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, ordered, or invoiced at any point in any supply chain.

# GS1 Standards: Identify, Capture, and Share



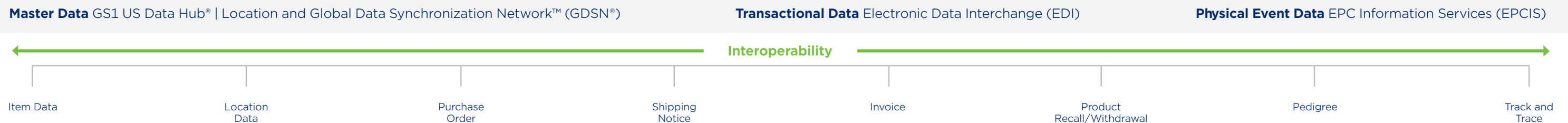
## Identify: GS1 Identification Numbers



## Capture: GS1 Data Carriers



## Share: GS1 Data Exchange



## Data Sharing Standards

Product Master Data	Transactional Data	Physical Event Data
<p><b>GDSN®</b> Global Data Synchronization Network™</p> <p>The GDSN connects trading partners to the GS1 Global Registry® via GS1-certified data pools.</p> <p><b>Phase 1:</b> Foundational Supply Chain Data      <b>Phase 2:</b> Regulatory Data</p>	<p><b>EDI</b> Electronic Data Interchange</p> <p>EDI enables the computer-to-computer exchange of business documents between companies using a standardized format.</p> <ul style="list-style-type: none"> <li>• Purchase Order</li> <li>• Advance Ship Notice</li> <li>• Invoice</li> <li>• Payment</li> </ul>	<p><b>Critical Tracking Events via EPCIS</b> Electronic Product Code Information Systems</p> <p>EPCIS is the standard for sharing information about the movement and status of goods in the physical world. EPCIS Events are captured and shared by the Party at the:</p> <ol style="list-style-type: none"> <li><b>1. Beginning of the supply chain - Manufacturer</b> <ul style="list-style-type: none"> <li>• Commissioning</li> <li>• Shipping</li> </ul> </li> <li><b>2. Intermediate part of the supply chain - Wholesale Distributor</b> <ul style="list-style-type: none"> <li>• Receiving</li> <li>• Commissioning</li> <li>• Shipping</li> </ul> </li> <li><b>3. End of the supply chain - Dispenser</b> <ul style="list-style-type: none"> <li>• Unpacking</li> <li>• Packing</li> <li>• Destroying</li> <li>• Decommissioning</li> </ul> </li> </ol>