



GS1 US Data Hub® | Product Unique Device Identification (UDI) Creation User Guide

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UDI Requirements Overview

This guide is designed to provide only the basic steps needed to create the two segments of the UDI: the "Device Identifier" (DI) and the "Production Identifier" (PI) using GS1 US Data Hub[®] | Product.

Please refer to our <u>GS1 US Healthcare page</u>, and click the resources provided to determine how you are going to structure your GTIN hierarchy. Resources on this page include links to the **UDI System Final Rule** and to the **Implementation Guideline: Using the GS1 System for U.S. FDA UDI Requirements.**

GS1 US Data Hub | Product enables you to assign Device Identifiers (DI) using Global Trade Item Numbers (GTINs) for your **Primary Device** and **Higher Levels of Packaging**. UDI Production Identifiers (PI) are represented by GS1 Application Identifiers (AIs). When the barcode is generated, you can then apply GS1 AIs to certain types of barcodes.

When you create DIs using GS1 US Data Hub | Product, you should select **Regulated Healthcare** from the Industry drop-down menu.

Industry	
General	~
General CPG	
Regulated Healthcare	
Foodservice	
Apparel	

The GS1 General Specifications defines Regulated Healthcare Trade Items as:

Trade Item Type	Definition
Regulated healthcare retail consumer trade item	A regulated healthcare trade item to be sold to the end consumer at a healthcare retail point-of-sale (POS) (pharmacy). They are identified with a GTIN-13, GTIN-12 or GTIN-8 utilizing linear or 2D matrix barcodes that can be scanned by image-based scanners.
Regulated healthcare non-retail consumer trade item	A consumer trade item not intended for scanning at POS and identified with a GTIN-14, GTIN-13, GTIN-12 or GTIN-8 utilizing linear or 2D matrix barcodes that can be scanned by image-based scanners.
Regulated healthcare trade item	Pharmaceuticals or medical devices that are sold or dispensed in a controlled environment (e.g. retail pharmacy, hospital pharmacy).

Contact your regulatory department if you are unsure if your items are Regulated Healthcare Trade Items.

Which Instructions to Use in this Guide

Use the decision tree below to determine which set of instructions to use in this guide. Please read the <u>Implementation Guideline: Using the GS1 System for U.S. FDA Unique Device</u> <u>Identification (UDI) Requirements</u>.

This decision tree represents just a few options available for creating a DI for a Primary Device, and if necessary, a DI for a Unit of Use. For alternative options, please contact GS1 US Member Support team. Please note that the barcode option provided by GS1 US Data Hub may vary if other options are applied.

Are You Creating a Higher Level of Pac	DI for a Primary Device of kage?	r	
DI for Primary Device	Go to these instructions	in this guide:	
Is the Primary	If no, go to Page 5 - Prin	nary Device, Count of One	
Greater than One?	If yes, you need to identify refer to Page 8 for an intro	y the lowest item (Unit of Use) – oduction to Unit of Use.	
	Option #1: Assign the Unit of Use packaging level to the Unit of Use item. Note: You must first enable the Unit of Use Packaging Level.	Go to Page 9: Option #1 – "Unit of Use" Packaging Level	
	Option #2: Assign the Each packaging level to the Unit of Use item.	Go to Page 17: Option #2 – "Each" Packaging Level for Unit of Use	
DI for Higher Level Packaging	Go to these instructions	in this guide:	
Is the DI for Higher Level Packaging?	If yes, go to Page 22 – H Note: These instructions ex item grouping," as describe Healthcare, Implementation System of Standards for U. Identification (UDI).	igher Level Packaging xplain how to create a "trade ed in more detail in the GS1 US n Guideline, Applying the GS1 S. FDA Unique Device	

GS1 US DATA HUB | PRODUCT Primary Device, Count of One

In all cases the first step is to assign a GTIN to the Primary Device. Complete the steps on the next two pages to assign a DI using a GTIN to your **Primary Device** with a count of one.

The Primary Device identifier is the identifier assigned to the lowest level of a product that is marked with the identifier and any relevant application identifiers. This lowest packaging level is often referred to as the "base package".

In these instructions, the default is "Yes" for "Purchasable By Consumer?", meaning the item is the lowest saleable unit.

If the product is NOT sold in a retail pointof-sale setting, then you may select "No." The product is still considered the lowest saleable unit, but will not be shared with the GS1 Registry Platform. This centralized global repository enables brand owners to upload point-of-sale product data, so retailers can access and use that data.

At this time, only **In Use** retail point-ofsale products in which "Yes" has been selected for **Purchasable by Consumer?** are being shared with the GS1 Registry Platform.

This enables any individual globally to view this data. For more information, please refer to the <u>GS1 US Data Hub Product</u> <u>Share User Guide</u>.



Example of a Primary Device with a count of one



GS1 US DATA HUB | PRODUCT Primary Device, Count of One (Continued)

Complete these steps to assign a DI using a GTIN to your **Primary Device** with a count of one.

How to Create a New Primary Device DI

- 1. From the menu bar, click **Product**
- 2. Click Add New Product
- 3. Fill in the required fields: **Product Description** and **Brand Name**
- 4. For Industry, select **Regulated Healthcare**
- 5. Leave Each for the Packaging Level
- 6. If this product is the lowest saleable unit and can be sold at retail point-of-sale, leave "Yes" selected for **Purchasable by Consumer?**

If this item is NOT sold at retail point-of-sale, then select "No".

- Scroll to the bottom and click Save and Continue. The three "Get a GTIN for your Product" buttons are displayed.
- Click the Let Us Assign Your GTIN button. If your company has more than one GS1 Company Prefix, you will be prompted to select the desired prefix. Click Save and Continue. Confirm the GTIN Assignment by clicking "Yes". A GTIN-12 is assigned to this item.
- The product is now in the **PreMarket** status. If the product is ready to share with the marketplace, click the **Set Status to In Use** button. The **Status Change to In Use** dialog box displays. Click **Continue**. The GTIN is now subject to the GS1 <u>GTIN Management Standard</u>.
- 10. The device has been created and you can now generate a barcode (see steps on the next page).

For more details on the steps needed to create a product in GS1 US Data Hub, refer to the <u>Product Create/Manage User Guide</u>.

Product Description *required	
Medicil 10ML Dual Syringe	
and Name *required	
Medicil	
ndustry 🕐	sku 🕐
Regulated Healthcare	~
General CPG	
Regulated Healthcare	
Apparel	Yes
<u> </u>	
Cancel	

Let Us	Choose a	Choose a
Assign Your GTIN	Specific GTIN	Reserved GTIN
/e'll assign your next available GTIN to this product	Assign a specific GTIN from your available GTINs to this product	Select one of your previously reserved GTINs for this product





GS1 US DATA HUB | PRODUCT Primary Device, Count of One (Continued)

Complete these steps to assign a DI using a GTIN to your **Primary Device** with a count of one.

Primary Device DI: Generate a Barcode

 Click the View Barcode button for the newly – created product.

Note: To create a scannable barcode, a **GTIN** needs to be assigned and the product needs to be in the **In Use** status.

2. **Application Area** defaults to the Retail Pharmacy (Over-The-Counter Medication).

Note: If "Yes" was selected for **Purchasable by Consumer?**, then three options are available. Change if necessary.

- 3. The Barcode Type defaults to UPC-A.
- 4. The **Size** defaults to the "Target" barcode size. You can choose a Minimum or Maximum size to better fit your packaging.
- 5. If you select a barcode type other than UPC-A or ITF-14, you can add Production Information. Scroll down the page and **Type** ** to view most common Application Identifiers. Enter the appropriate data for the device
- Click Preview Barcode to view the barcode or to download the barcode image for the GS1-128 only (the GS1 DataMatrix image file cannot be downloaded). If you want to share barcode definitions with a print vendor, click the Export Barcode Definitions to save a barcode definitions file.
- 7. When finished, click **Product** from the menu bar to return to the main page.

>	III View Barcode	
	🗭 Edit Product	
	Clone this Product	
	Product History	



Application Identifiers	
AI(01) GTIN	
00814141002850	
Additional Application Identifiers Type in ** to select from the most common Application Identifiers	
Application Identifier Code Select an Al	× .
8.8	
**10 - Batch or Lot Number	-
**11 - Production Date (YYMMDD)	
**13 - Packaging Date (YYMMDD)	
**15 - Best Before Date (YYMMDD)	
**17 - Expiration Date (YYMMDD)	
**21 - Serial Number	
**414 - Identification of a Physical Location - Global Location Number	-
Select an Al	х .





GS1 US DATA HUB | PRODUCT UDI Requirements Overview – Count Greater than One

What if Your Device Count is Greater than One?

GS1 US Data Hub can be used to create the **Unit of Use DI** if it is different from **the Primary Device DI**. The Unit of Use DI is defined as an identifier assigned to an individual medical device when the Primary DI has a "count of devices" greater than 1. The Unit of Use DI is assigned to the single device below the lowest saleable unit marked with a DI. This allows for unique identification of the actual device used in patient care.

Two Options to Assign the Unit of Use DI

You have two options when creating the Unit of Use DI in GS1 US Data Hub | Product:

Option #1: Select "Unit of Use" Packaging Level for the Unit of Use DI (See Page 9) Option #2: Select "Each" Packaging Level for the Unit of Use DI (see Page 17)

Here's an example of the two Unit of Use DI options:





This user guide presents two options for assigning GTINs to hierarchies for regulated healthcare products that contain a Unit of Use DI.

If you have questions after reviewing the Healthcare resources noted in this user guide, please contact GS1 US Member Support with questions at info@gs1us.org



The **Unit of Use DI** is created when the **Primary Device** has a device count greater than one. Option #1 is presented below. If you apply this option, you must enable the Unit of Use Packaging Level, and these steps are provided on the next page.

Option #1: Select the "Unit of Use" Packaging Level for the Unit of Use DI

Why Use this Option:

- Conserves the GS1 Company Prefix GTIN capacity. The Unit of Use DI may be assigned a GTIN-14, which has the same "Item Reference" as the GTIN of the Primary Device DI. The number of Item References determines GTIN capacity.
- Enables you to view the association of the "Unit of Use DI" with the Primary Device when viewing the Product Hierarchy of the Product Detail Record.

		Packaging Le	evel 🕐	
		Unit of Use	2	~
GTIN Assignment Unit of Use DI - O	ption #1:			
Combination o for Hig	of Indicator a her Levels o	and Iter f Packa	n Refereno ging	ce
Case of Primary DI	30614	141	3 2 1 6 8	2
Box of Primary DI	20614	1 4 1	3 2 1 6 8	8
Primary DI	00614	1 4 1	3 2 1 6 8	1
Unit of Use DI	10614	1 4 1	3 2 1 6 8	5
	The Indicator Digit	Changes: the	Item Reference R	Remains the Same

. . . .



To use Option #1, you must first enable the "Unit of Use" Packaging Level in GS1 US Data Hub. Follow these steps:

- If you are assigned the GS1 US Data Hub General User Administrator role for your company, click the **Administration** link (the General User Administration role needs to be assigned to you).
- On the main Administration page, click the "Manage" link under Product Settings.
- 3. Check the box for "Enable Unit of Use Packaging Level."
- 4. Click Save.
- If you are assigned the Product Create/Manage role for your company, click the **Product** link and then click **Add New Product**. You will see the "Unit of Use" display in the Packaging Level dropdown.

Note: After this Unit of Use packaging level is enabled, and a product is saved in GS1 US Data Hub with the **PreMarket** Status, you cannot disable this feature.



- Q Will I still be able to assign the "Each" packaging level to Unit of Use items after this feature is enabled?
- A Yes, even after the "Unit of Use" packaging level is enabled, you can still apply Option#2 ("Each" Packaging Level) to a Unit of Use item.



Note: You cannot use the import tool to import "Unit of Use" DIs if they contain the "Unit of Use" packaging levels. However, you can import all associated "Each" items (Primary Device DI) and higher levels of packaging, then add your "Unit of Use" items as instructed in this user guide. You can then associate these items with the Primary Device "Each" items that you had imported. See the "Appendix A - Import Products" in this user guide for more details.



In this section are instructions to adding a Unit of Use GTIN to your Primary Device if it has a count that's greater than one.

Follow these instructions if you are using Option #1: selecting a "Unit of Use" packaging level to the Unit of Use item.

Note: Make sure you have reviewed the previous page to learn how to enable the "Unit of Use" Packaging Level feature in GS1 US Data Hub before using these steps.

In this section are instructions that explain these steps:

- 1. Create the Primary Device DI;
- 2. Create the Unit of Use DI and associate the Unit of Use DI to the Primary Device DI;
- 3. Add the Quantity of the Unit of Use items contained in the Primary Device DI.

These instructions represent one option for assigning GTINs to hierarchies for regulated healthcare products that contain a Unit of Use DI. Other options are available.

If you have questions, please contact GS1 US Member Support with questions at info@gs1us.org.



Packaging Level ⑦

Unit of Use



The first step is to create the Primary Device DI. You will then continue to the next page to enter the Unit of Use DI and associate that item to this Primary Device DI.



Create the New Primary Device Identifier

- 1. From the menu bar, click Product
- 2. Click the Add New Product link
- 3. Fill in the required fields: **Product Description** and **Brand Name**
- 4. For Industry, select **Regulated Healthcare**
- 5. Leave Each for the Packaging Level
- 6. If this product is the lowest saleable unit and can be sold at retail point-of-sale, leave "Yes" selected for **Purchasable by Consumer?**

If this item is NOT sold at retail point-of-sale, then select "No".

- Do NOT click the Add Contents button at this time. You will associate the Primary Device DI to the Unit of Use DI at a later step. For now, click Save and Continue.
- The three "Get a GTIN for your product" buttons are displayed. Click the Let Us Assign Your GTIN button. If your company has more than one GS1 Company Prefix, you will be prompted to select the desired prefix. You should select the same prefix as the one that will be assigned to the Unit of Use DI. Click Save and Continue. Confirm the GTIN Assignment by clicking "Yes." A GTIN-12 is assigned to this item.
- The product is now in the **PreMarket** status. If the product is ready to share with the marketplace, click the **Set Status to In Use** button. The **Status Change to In Use** dialog box displays. Click **Continue**. The GTIN is now subject to the GS1 <u>GTIN Management Standard</u>.
- 10. Continue to the next page to create the Unit of Use DI and associate that item to this Primary Device DI.









Now that you've entered your Primary Device, you can now add the Unit of Use DI and associate this Unit of Use DI to the Primary Device DI.

Packaging Level ⑦

No Items Selected

Unit of Use Associated with: It Choose Produ

Set Status to In Use



Create a Unit of Use Device Identifier and Associate with the Primary Device

- 1. From the menu bar, click Product
- 2. Click Add New Product
- 3. Fill in the required fields: **Product Description** and **Brand Name**
- 4. For Industry, select Regulated Healthcare
- Select Unit of Use for the Packaging Level. "No" is selected for both Purchasable by Consumer? and For Shipping Purposes Only?
- 6. Click **Choose Products** to associate the Unit of Use DI and the Primary Device DI.
- Click Save and Continue. The GTIN-14 is automatically assigned to this item.
- If the product is ready to share with the marketplace, click the Set Status to In Use button. Click Save and Exit to return to the My Products page.



- 1. From the My Products page, locate the Primary Device and click the Product Description. The product detail record displays.
- 2. Click the Edit Product button.
- 3. In the **Qty** field, enter the Quantity of the Unit of Use items that go into this Primary Device. You can change this quantity after the item is In Use.
- 4. Click the **Save and Exit** button. This Unit of Use quantity is now saved with this Primary Device.

You will see this quantity displayed when you view the Primary Device product hierarchy on the product detail record. 🖉 Edit Product



No For Shipping Purposes Onl

GS1 US Data Hub enables you to generate a GS1-128 or GS1 DataMatrix barcode for the **Primary Device** DI, so that it can contain production information.

Primary Device DI: Generate a Barcode

- Click the View Barcode button for the newly created product.
 Note: To create a scannable barcode, a GTIN needs to be assigned and the product needs to be in the In Use status.
- Application Area defaults to Regulated Healthcare: Point of Care or Point of Service. Choices will vary based on barcode type selection. Change if necessary.
- The Barcode Type defaults to ITF-14, which does NOT carry Production Information. To add Production Information, change the barcode type to GS1-128 or GS1 DataMatrix. Then scroll down the page and Type ** to view the most common Application Identifiers. Enter the appropriate data for the device.

This enables you to generate a GTIN with production information to be embedded in a GS1-128 or GS1 DataMatrix for the Primary Device DI.

- The Size defaults to the "Target" barcode size. You can select "Minimum" to better fit your packaging.
- Click Preview Barcode to view the barcode or to download the barcode image for the GS1-128 only (the GS1 DataMatrix image file cannot be downloaded). If you want to share barcode definitions with a print vendor, click the Export Barcode Definitions to save a barcode definitions file.
- 6. When finished, click **Product** from the menu bar to return to the main page.

Clone this Product
Clone this Product
Product History
Brooks

Application Identifiers	
AI(01) GTIN	
00814141002850	
Additional Application Identifiers Type in ** to select from the most common Application Identifiers	
Application Identifier Code	
Select an Al	х,
8.8	
**10 - Batch or Lot Number	-
**11 - Production Date (YYMMDD)	
**13 - Packaging Date (YYMMDD)	
**15 - Best Before Date (YYMMDD)	
**17 - Expiration Date (YYMMDD)	
**21 - Serial Number	
**414 - Identification of a Physical Location - Global Location Number	•
Select an Al	*

	Image Type PNG	_	Download
(01)00141400432(11)11030(10)003460			
			Standarde Drofinerional Barr
The image you see above is a sample and may it	not be at 100% size, depending on your s	preen resolution, which with a cost	
The image you see above is a sample and may a Image and Print Vendors on resizing the barcode	not be at 100% size, depending on your s for your label design.	screen resolution. work with a GS1	
The image you see above is a sample and may to Image and Print Vendors on resizing the barcode View List of GS1 Standards Professional Barcode	not be at 100% size, depending on your s e for your label design. e Imanie and Print Vendors	koreen resolution. Work with a GS1	



GS1 US Data Hub enables you to generate a GS1-128 or GS1 DataMatrix barcode for the **Unit of Use** DI, so that it can contain production information. Please note that most Unit of Use DIs are virtual identifiers so this step may not apply to your business needs.

Unit of Use DI: Generate a Barcode

 Click the View Barcode button for the newly created product.
 Note: To create a scannable barcode a GTIN

Note: To create a scannable barcode, a **GTIN** needs to be assigned and the product needs to be in the **In Use** status.

- Application Area defaults to the Retail Pharmacy (Over-The-Counter Medication). Several Barcode Type options exist, including GS1-128 and GS1 DataMatrix. You cannot download an image file of GS1 DataMatrix but you can click the "Export Definition" button to download details to share with your printer.
- The Size defaults to the "Target" barcode size. Select a different size to better fit your packaging.
- 4. If you select a barcode type other than UPC-A or ITF-14, you can add Production
 Information. Scroll down the page and Type
 ** to view most common Application
 Identifiers. Enter the appropriate Production
 Information for the device.
- 5. Click Preview Barcode to view the barcode or to download the barcode image for the GS1-128 only (the GS1 DataMatrix image file cannot be downloaded). If you want to share barcode definitions with a print vendor, click the Export Definitions to save a barcode definitions file
- 6. When finished, click **Product** from the menu bar to return to the main page



n Use (00358	243000210) - Medicil 10ML D	ual Syringe 💿
Barcode		
Application Area		
Retail Pharmacy (Over-	The-Counter Medication)	
Retail Pharmacy (Over-	The-Counter Medication)	

AI(01) GTIN	
00814141002850	
Additional Application Identifiers Type in ** to select from the most common Application identifiers Additional the Interface Code	
Select all Al	
**	
**10 - Batch or Lot Number	
**11 - Production Date (YYMMDD)	
**11 - Production Date (YYMMDD) **13 - Packaging Date (YYMMDD)	
**11 - Production Date (YYMMDD) **13 - Packaging Date (YYMMDD) **15 - Best Before Date (YYMMDD)	
**11 - Production Date (YYMMDD) **13 - Packaging Date (YYMMDD) **15 - Best Before Date (YYMMDD) **17 - Expiration Date (YYMMDD)	
**11 - Production Date (YYMMDD) **13 - Beckagning Date (YYMMDD) **15 - Best Before Date (YYMMDD) **17 - Expiration Date (YYMMDD) **21 - Serial Number	

- Q How can I add an existing "Unit of Use" item to a new Primary Device (i.e., a box with a different count)?
- A First, enter the new Primary Device and assign the GTIN-12, then click **Save and Exit**. From My Products, click this item's Product Description to view the Product Detail Record. Click the **Edit Product** button.

Click "Add Contents," then check the box for the Unit of Use to associate with this Primary Device. Enter the quantity and click **Save and Continue**.

The association displays in the Product Hierarchy on the Unit of Use Product Detail Screen (see next question below).

Q How can I view the Packaging Hierarchy for an item?

A Click the "Each" item (Primary Device) or the "Unit of Use" item from the My Products Page.

When the Product Detail Record displays, scroll down to the **Product Hierarchy** section.

For an "Each" item, the Unit of Use item displays.

Click "View all ancestors" to view higher level packaging.

Click "View all associated products" to view any item that contains this item.

Packaging Level Each	Ø Purchasable by Co	nsumer 🛞	Variable Measure For shipping purpose only
GTIN-14	GTIN-12 (U.P.C.)	GS1	I Company Prefix
00830001480408	830001480408	083	3000148
Image URL	Target Market	Gloi	bal Product Classification
None	US - United States	Of America Nor	ne
Net Content 1 Count None	Net Content 1 Unit of None	Measure	
Height	Width	Dep	ath
None	None	Nor	ne
Net Weight	Gross Weight	Wei	ght Measure
None	None	Nor	ne
Shared With All View/Use Subscribers GS1 Registry Platform	View Share Details		
Product Hierarchy			
V Description	Brand	^{GTIN}	Jse) Packaging Level
Medicil Syringe 20 ML - Cas	Medicil	00830001480408 - (In L	Each
Description	Brand	GTIN	Packaging Level
Medicil Syringe	Medicil	10830001480221 - (In	Unit of Use, Qty: 200

The **Unit of Use DI** is created when the **Primary Device** has a device count greater than one. This section discusses Option #2, in which you select the "Each" packaging level for the Unit of Use item.

Option #2: Select the "Each" Packaging Level for the Unit of Use DI

Why Use this Option:

 If you have assigned the "Each" Packaging Level to Unit of Use items in the past, you can continue applying this option to ensure consistency.

> **Note:** you can still assign the "Each" packaging level, even if the Unit of Use packaging level was enabled in GS1 US Data Hub.

 If there is a possibility that the individual device could become a saleable unit at some point, then using Option #2 could be beneficial, as a GTIN-12 is assigned, and a UPC-A can be generated at a future date.

GTIN Assignment Unit of Use DI - O	ption #2	
Combination of for High	f Indicator and Item Reference her Levels of Packaging	
Case of Primary DI	20614141321685	
Box of Primary DI	1 0 6 1 4 1 4 1 3 2 1 6 8 8	
Primary DI	00614141321681	
Unit of Use DI	0 0 6 1 4 1 4 1 3 2 1 6 0 5	
Providence of	Both Indicator Digit and Item Reference May Char	nge

Packaging Level ⑦

Each

In this section are instructions for how to create a Primary Device with a count greater than one.

For this set of instructions:

- You are assigning the "Each" Packaging Level to the Unit of Use item
- You first create the Unit of Use DI item as an "Each" item, and then the Primary Device as an "Each" item.

In this scenario, these two items cannot be associated to each other in GS1 US Data Hub, unless the "Unit of Use" packaging level has been enabled.

The first step is to create the Unit of Use DI, selecting the "Each" packaging level. You will then continue to the next page to enter the Primary Device DI.

How to Create a Unit of Use Device Identifier

- From the menu bar, click Product
- 2. Click Add New Product
- 3. Fill in the required fields: **Product Description** and Brand Name
- 4. For Industry, select **Regulated Healthcare**
- 5. Leave **Each** for the **Packaging Level**
- 6. Select "No" for Purchasable by Consumer?
- 7. Scroll to the bottom and click Save and Continue. The three "Get a GTIN for your Product" buttons are displayed.

- 8. Click the Let Us Assign Your GTIN button. If your company has more than one GS1 Company Prefix, vou will be prompted to selected the desired. Click the Select button. Click Save and Continue. Confirm the GTIN Assignment by clicking "Yes". A GTIN-12 is assigned to this item.
- 9. The product is now in the **PreMarket** status. If the product is ready to share with the marketplace, click the Set Status to In Use button. The Status **Change to In Use** dialog box displays, click **Continue**. The GTIN is now subject to the GS1 GTIN Management Standard.
- 10. The device has been created and you can now generate a barcode.

For more details on the steps needed to create a product in GS1 US Data Hub, refer to the Product Create/Manage User Guide.

After adding the Unit of Use DI, you can now create the Primary Device DI by selecting the "Each" packaging level.

How to Create the Primary Device Identifier

- 1. From the menu bar, click Product
- 2. Click Add New Product
- 3. Fill in the required fields: **Product Description** and **Brand Name**
- 4. For Industry, select Regulated Healthcare
- 5. Leave "Each" as the Packaging Level.
- 6. If this product is the lowest saleable unit and can be sold at retail point-of-sale, leave "Yes" selected for **Purchasable by Consumer?**

If this item is NOT sold at retail point-of-sale, then select "No".

- 7. Click Save and Continue.
- The three "Get a GTIN for your product" buttons are displayed. Click the Let Us Assign Your GTIN button.

If your company has more than one GS1 Company Prefix, you will be prompted to select the desired prefix. You should select the same prefix as the one assigned to the Unit of Use DI. Click the **Select** button. Click **Save and Continue**.

- 9. The product is now in the **PreMarket** status. If the product is ready to share with the marketplace, click the **Set Status to In Use** button.
- 10. The **Status Change to In Use** dialog box displays. Click **Continue**. The GTIN is now subject to the GS1 <u>GTIN Management Standard</u>.
- 11. The device has been created and you can now generate a barcode.

GLOVES pr

When you create the Primary Device DI, these instructions explain the barcode options if you selected "Yes" for Purchasable by Consumer. GS1 US Data Hub defaults to the UPC-A barcode option.

Primary Device DI: Generate a Barcode

- 1. Click the **View Barcode** button for the newly created product.
- Note: To create a scannable barcode, a GTIN needs to be assigned and the product needs to be in the In Use status.
- 3. **Application Area** defaults to Regulated Healthcare: Point of Care or Point of Service. Choices will vary based on barcode type selection. Change if necessary.
- 4. The Barcode Type defaults to ITF-14, which does NOT carry Production Information. To add Production Information, change the barcode type to GS1-128 or GS1 DataMatrix. Then scroll down the page and Type ** to view most common Application Identifiers. Enter the appropriate data for the device.
- 5. The **Size** defaults to the "Target" barcode size. You can select "Minimum" to better fit your packaging.
- 6. Click Preview Barcode to view the barcode or to download the barcode image for the GS1-128 only (the GS1 DataMatrix image file cannot be downloaded). If you want to share barcode definitions with a print vendor, click the Export Barcode Definitions to save a barcode definitions file
- When finished, click **Product** from the menu bar to return to the main page.

	View Barcode	
	🖉 Edit Product	
	Clone this Product	
	E Product History	
Barcode		
Application Are	a authourse Point of Care or Point of Service	
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Application Identifier Code	
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88	
**10 - Batch or Lot Number	
**11 - Production Date (YYMMDD)	
**13 - Packaging Date (YYMMDD)	
**15 - Best Before Date (YYMMDD)	
**17 - Expiration Date (YYMMDD)	
**21 - Serial Number	
**414 - Identification of a Physical Location - Global Location Number	
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GS1 US DATA HUB | PRODUCT Higher Level Packaging

Complete the steps on the next page after you have created your Primary Device DI, to create **Higher Level Packaging**, such as a case.

The steps provided on the next page are for illustrative purposes only. You may need to determine another hierarchy level, based on your business needs.

Example of higher level packaging

GS1 US DATA HUB | PRODUCT Higher Level Packaging (Continued)

Complete these steps after you have created your Primary Device DI, to create **Higher Level Packaging**, such as a case.

How to Create a Higher Level Packaging Item

- 1. From the menu bar, click Product
- 2. Click Add New Product
- 3. Fill in the required fields: **Product Description** and **Brand Name**
- 4. For Industry, select Regulated Healthcare
- Choose the desired **Packaging Level.** For definitions, view the <u>Packaging Level Definitions</u> article in the GS1 US Data Hub Help Center.
- 6. Click "Yes" for Data Matrix Shipping Purposes Only
- 7. Click the Add Contents button. Choose which items will be included in the packaging level by check marking each item. The Choose a product to add to this container dialog box opens. Check the box for the item that's going into this packaging. Click Add to Container. In the Qty field, enter how many items go into this packaging. Then click Save and Continue.
- 8. Click the Let Us Assign Your GTIN button. If your company has more than one GS1 Company Prefix, you will be prompted to select the desired prefix (select the same prefix as the one assigned to the Unit of Use DI). Click the Select button. Click Save and Continue. If you have only one GS1 Company Prefix, skip to the next step. Confirm the GTIN Assignment by clicking "Yes". A GTIN-14 is assigned to the Primary DI:

Case of Primary DI 2 0 6 1 4 1 4 1 3 2 1 6 8 5

- 9. The product is now in the **PreMarket** status. If the product is ready to share with the marketplace, click the **Set Status to In Use** button.
- 10. The **Status Change to In Use** dialog box displays. Click **Continue**. The GTIN is now subject to the GS1 <u>GTIN Management Standard</u>.
- 11. The higher level packaging item has been created and you can now generate a barcode.

Product Desc	ription *required	
Medicil 10M	/L Dual Syringe	
Brand Name	*required	
Medicil		
ndustry 🕐		
Regulated I	lealthcare	、 、
General CPG		
Regulated I	lealthcare	
Foodservic Apparel	3	
Cancel		

Your	Progress
0	Basic Product Information Provide key product information to create your product in Data Hub
9	Assign Your GTIN and Get Your Barcode Get your Global Trade Item Number for your product and generate a barcode
6	Enhance Your GTIN Data (optional) Add more information to improve your product listing for the GS1 Registry Platform (GRP)
4	Add Product Dimensions (optional) More information about the size and weight of your product improves supply chain operations
	Set Status to In Use
To mak and as	e this "In Use" please supply all required Basic Product Information sign a GTIN
	View Barcode
To mak and as	e a barcode, please supply all required Basic Product Information sign a GTIN

GS1 US DATA HUB | PRODUCT Higher Level Packaging (Continued)

Complete these steps after you have created your Primary Device DI, to create **Higher Level Packaging**, such as a case.

Higher Level Packaging: Generate a Barcode

- Click the View Barcode button for the newly ______ created product.
 Note: To create a scannable barcode, a GTIN needs to be assigned and the product needs to be in the In Use status.
- 2. **Application Area** defaults to Regulated Healthcare: Point of Care or Point of Service. Change if necessary.
- The Barcode Type defaults to ITF-14. Select GS1-128 or GS1 DataMatrix to enter Production Information (see step 5). You cannot download an image file of GS1 DataMatrix but you can click the Export Definition button to save barcode definitions and share with your print vendor.
- The Size defaults to the "Target" barcode size. Select a different size to better fit your packaging.
- If you select a barcode type other than UPC-A or ITF-14, you can add Production Information. Scroll down the page and **Type **** to view most common Application Identifiers. Enter the appropriate data for the device.
- Click Preview Barcode to view the barcode or to download the barcode image. If you want to share barcode definitions with a print vendor, click the Export Barcode Definitions to save a barcode definitions file.
- 7. When finished, click **Product** from the menu bar to return to the main page.

>	View Barcode
	🖉 Edit Product
	Clone this Product
	E Product History

Application Area	
Regulated Healthcare: Point of Care or Point of Service	
Regulated Healthcare: Point of Care or Point of Service	
Directly Part Marked Regulated Healthcare (Laser Etch, Chemical Etched, Dot-Peened, etc.)	
Non-Retail OR Retail that is General Distribution (Shipping/Receiving OR Transport)	

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**414 - Identification of a Physical Location - Global Location Number	¥

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Appendix A - Import Products

Rather than entering multiple products through the GS1 US Data Hub user interface, you can save time by adding all products in bulk via a "Product Import" Template.

Note: You cannot use the import templates to create new "Unit of Use" items. Also, the import template will not generate GTIN-14s for higher level packaging. If you want to assign GTIN-14s to higher level packaging items, you will have to download the blank template and enter the GTIN-14s manually.

- **1.** From the menu bar, click Product.
- 2. Click Import Products.
- **3.** Click the Download Template tab.

4. You have two template options.

You can import products and assign GTINs, or you can import products that already have GTINs:

- To import products and assign available GTINs, select the GS1 Company Prefix under the Download an Assigned GTINs Template heading. Select the number of products you want to create. Then click Download Template and open the file.
- b. To import products that already have GTINs, click the **Download a Blank Template** link at the bottom of the screen and open the file.

5. Select "Create" in the Action Column.

View the <u>Product Import User Guide</u> to learn what to enter in each column. Here are specific requirements for medical device products:

- a. It's recommended that you first enter "Each" items, and then enter higher level packaging level items in another template.
- Remember to select "Regulated Healthcare" in the **Industry** column.

									_			
	A	В	С	D	E	F	G	Н		J	K	L
1	Action	GS1CompanyPrefix	GTIN	PackagingLevel	Description	Desc1L	BrandName	Bran	Status	Industry	IsVariable	IsPurchasable
2	Create	083000381	00830003810760	Each	Medicil Syringe 10 ML - Pack of 10	en	Medicil	en	In Use	Regulated Healthcare	N	Y
3	Create	083000381	00830003810777	Each	Medicil Syringe 20 ML - Pack of 10	en	Medicil	en	In Use	Regulated Healthcare	N	Y
4	Create	083000381	00830003810784	Each	Medicil Syringe 30 ML - Pack of 10	en	Medicil	en	In Use	Regulated Healthcare	N	Y
5	Create	083000381	00830003810791	Each	Medicil Syringe 40 ML - Pack of 10	en	Medicil	en	In Use	Regulated Healthcare	N	Y

Note: GTINs should be entered with 14 digits, with two leading zeroes.

Appendix A - Import Products (Continued)

6. Save the file to your computer.

Make sure you did not change any column headings or rearrange columns in the template. Do not use the following special characters in your file name. Otherwise, you will receive an error and the file will not process: ; / ? : @ = & " < > # % { } | $\land \sim$ [] ` ().

7. Click the Import/Modify Products tab.

You can drag and drop the file into the gray upload box. Or click **Browse File.** Locate the updated file on your computer and click "Open." The file name displays in the **File Input** field.

8. Click Import Products.

GS1 US Data Hub begins to process the file. The time it takes for the file to process will vary based on the volume of import files being submitted during this time. Scroll down on the screen to view all uploaded files for your company. The file you just uploaded displays at the top of the list.

9. Check the Status column.

The Status will move from **File Uploaded** to **Pending** to **Complete.** Click **Refresh Table** until the **Complete** status displays. Until then, you can leave this page and return at a later time.

10. Verify that the records processed successfully. When the file displays **Complete**, you can take these steps:

- a. Verify that all records processed correctly. If successful, the **# Errors column** will display 0 (zero).
- b. If a number displays in the **# Errors** column, click the **File Name** hyperlink to open the "Results" file. View Column B for the error message. To learn more about an error message and how to resolve the issue, view the <u>Product Import User Guide, Column B</u>.
- c. Within the Results file, the **Results** column (Column A) indicates **Success** or **Fail** for each item. If you did receive an error, delete any rows that were successfully imported in the original spreadsheet before you make the corrections and re-submit the file.

6				
	-	K	2	,
		4)

Note: If the message **File Format error. Please use the current Data Hub Import Template**, make sure you used the most recent template and haven't changed a column name, deleted a column, or added a column.

