Unique Device Identification: Building Block for the National Evaluation System

Clearly identifying a device as part of real-world evidence

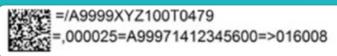
Terrie. L. Reed, MS Industrial Engineering

Senior Advisor for UDI Adoption



- Regulation
- Requirements on Label
- Submission to Global Unique Device Identification Database (GUDID)

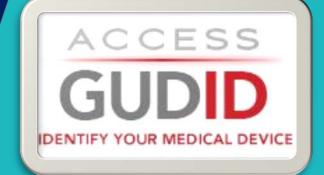






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accessgudid.nlm.nih.gov



Medical Procedures

New Cars Sold ²

1,000,000 Cardiac Catheterizations

719,000 Total Knee Arthroplasties

332,000 Total Hip Replacements

1,230,500 Hondas

908,600 Nissans

358,500 Volkswagens

¹ Source: CDC/NCHS National Hospital Discharge Survey, 2010

Source: WardsAuto - 2010 New Vehicle Sales

Unique Device Identification System

"The Secretary shall promulgate regulations establishing a unique device dehicitation system is placed an exception for requires an alternative placement or provides an exception for a particular device of the placement of provides an exception for a particular device of the placement of provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides and provides an exception for a particular device of the provides an exception for a particular device of the provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular device of the provides and provides an exception for a particular



UDI = Device Identifier (DI) + Production Identifiers (PI)

Unique Device Identifier (**UDI**) – *globally unique in accordance with ISO standards*

Device Identifier (**DI**) - mandatory, fixed portion of a UDI that identifies the specific version or model of a device and the labeler of that device

Production Identifier (PI)—a conditional, variable portion of a UDI that identifies one or more of the following when included on the label of the device:

- lot or batch within which a device was manufactured;
- serial number of a specific device;
- expiration date of a specific device;
- manufacturing date
- distinct identification code

1st requirement ...the label of every medical device shall bear a unique device identifier (UDI)...

2nd requirement...the labeler of a device must provide the information required ... for each model or version required to bear a unique device identifier (UDI)...



(01)040224957703



520,000+



IDENTIFY YOUR MEDICAL DEVICE

"+X999123ABC0/\$\$31905151234AB/\$5678EDFG/16D20151001J"

accessgudid.nlm.nih.gov

Why is Unique Device Identification Important?

What you see and hear depends a good deal on where you are standing; it also depends on what kind of a person you are.

~C.S. Lewis



The Washington Post

By tracking device IDs, like the vehicle identification numbers on cars, regulators could spot patients across the country coming into an emergency room or developing infections after a procedure.

1/31/16

Modern Healthcare

Experts hope the identifiers will help providers reduce costs with more efficient medical-supply management, and improve patient safety with better reporting and tracking of faulty products and adverse events. 9/25/15

UDI is important to...

PATIENTS

Care Providers

Manufacturers

Healthcare supply chain / inventory management

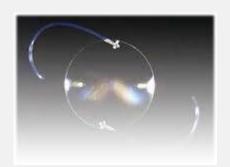
Researchers

Data Analysts

National Medical Device Evaluation System

First Focus: Implants

IOL 2006





DRUG ELUTING STENT 2010





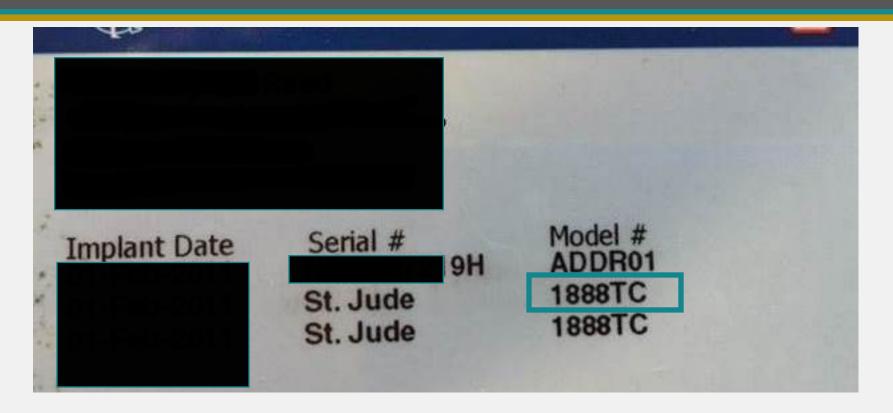
2011¹

Total Hip Replacement

Patient Expectations



Current Implant Information



Device Identifier =>Standard Data





Contact us with your comments and suggestions for the site.



1888TC



HOME ABOUT



DOWNLOAD



DEVICE: Tendril™ (05414734501743)



DOWNLOAD: XML | JSON



PRINT

VIEW ALL SECTIONS | CLOSE ALL SECTIONS

DEVICE IDENTIFIER (DI) INFORMATION

Brand Name: Tendril™ Version or Model: ST

Catalog Number: 1888TC-46

Company Name: ST. JUDE MEDICAL, INC.

Device Description: No description.

CLOSE

- DEVICE CHARACTERISTICS
- DEVICE STATUS
- ALTERNATIVE AND ADDITIONAL IDENTIFIERS
- CUSTOMER CONTACT [2]

Primary DI Number: 05414734501743

Issuing Agency: GS1 Device Count: 1

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Office of National Coordinator for Health IT - 2015 EHR Certification Criteria

Link Patient to Device Identifier



UDI is important to the....

National Medical Device Evaluation System

UDI is the Link between patient and device that can improve:

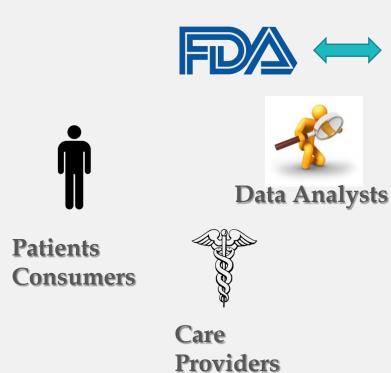
- Ability to detect and respond to safety issues active and reported
- Efficiency to manage device recalls and remove harmful product
- Understanding of device characteristics to reduce medical errors
- Precision in studying devices in diverse populations and better understand how devices behave in the real world

Developing a Learning UDI Community

How wonderful it is that nobody need wait a single moment before starting to improve the world. ~Anne Frank



Building a Community to Ensure UDI Adoption





Healthcare

Organizations





Researchers

Learn More at the UDI Roundtable

Implant

- Clinicians
- Manufacturers
- FDA

Device Type?

- GMDN
- UNSPSC

Unit of Use?

- Distributors
- Manufacturers
- Hospital Supply Chain



Thank you!