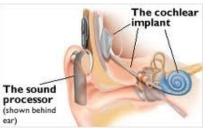
Global Medical Device Nomenclature (GMDN)

Mark Wasmuth – CEO, GMDN Agency

Why the need for the GMDN?

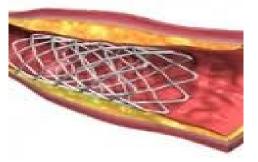












Pacemaker Puter and an and a state of the st





Consistent naming is important

Regulators / Governments need to:

- Identify the products on their national market
- Speed up Pre-market approval
- Identify trends in new equipment use
- Information on imports and exports
- Identify model and 'systematic' failure types

Healthcare Providers / Clinics need to:

- Identify the products they want to use
- Manage their inventory more efficiently
- Identify the most effective devices

GMDN Term Structure

Each GMDN Term consists of 3 parts:

- Term Name General-purpose syringe, single-use
- Definition "A sterile device consisting of a calibrated barrel (cylinder) with plunger intended to be used for injection/withdrawal of fluids/gas (e.g., medication) to/from a medical device or the body (i.e., capable of both)..."
- Code 47017

UDI and GMDN work together

Device type/model = Unique Device Identifier From a single supplier (e.g. 12345678909874)



Device Group = GMDN Term

All suppliers use same code (e.g. GMDN Code **47017**)



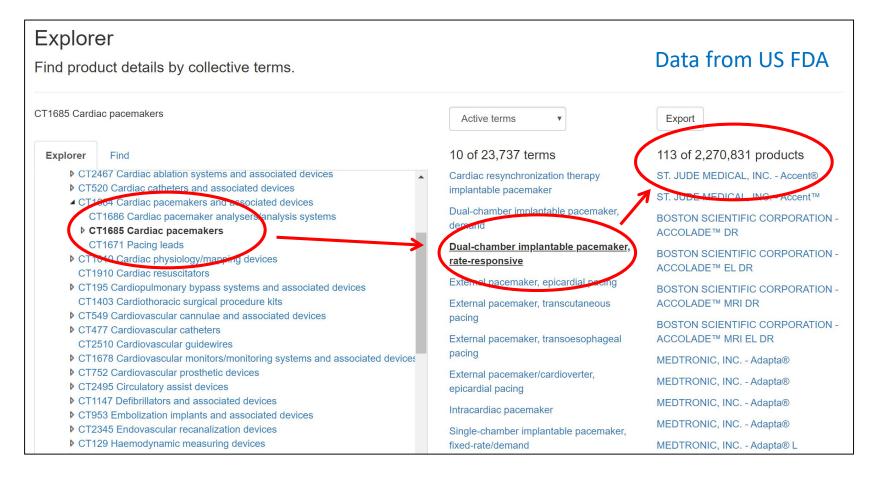
What can we do with the GMDN?

Can we answer these questions with our data?

- How many products on the market?
- Who are they made by?
- What is the fastest growth by type?
- Is the fault manufacturer specific?
- What is the best device for my patient?



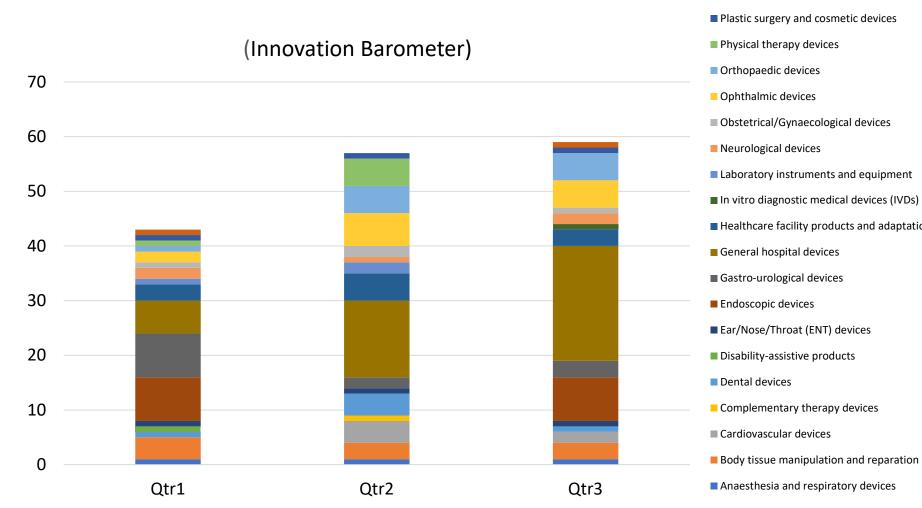
How many products on my market?



Collective Terms ----->>> Terms ----->>>> Unique Device

What it the trend in market growth?

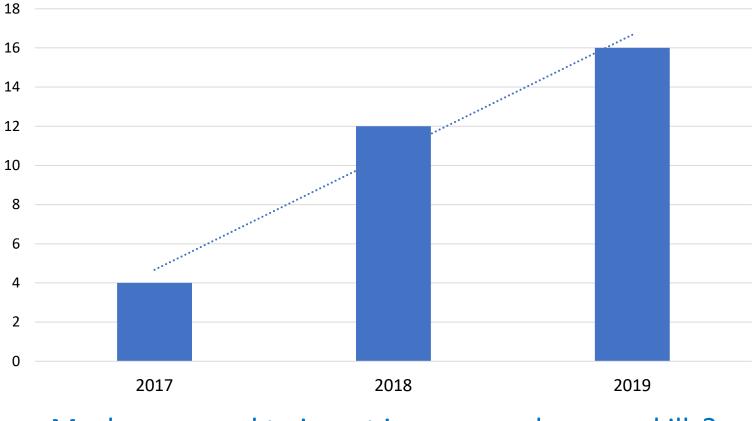
Number of new GMDN Terms by Collective Term Group



Radiological devices

Maybe something of interest?

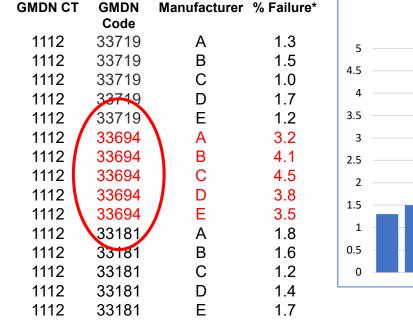
New GMDN Terms for Endoscopic devices

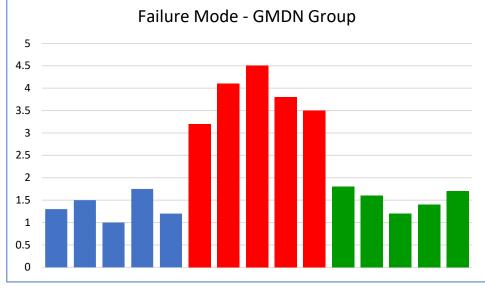


Maybe we need to invest in some endoscopy skills?

Failure Mode – by product group?

The same GMDN Code with higher failure rate





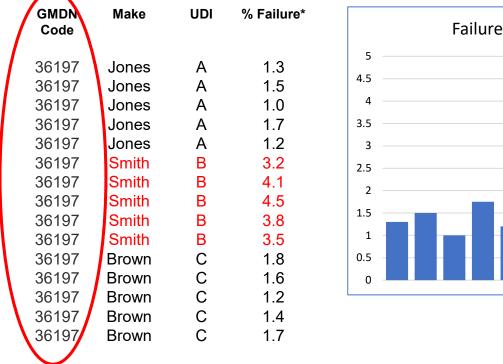
Is this a design problem?

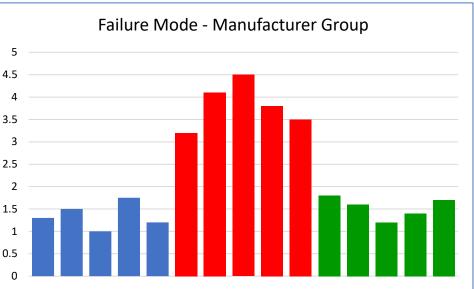
* Simulated failure data

Example - Metal-on-Metal Hip Implants

Failure Mode – by specific manufacturer?

The same Manufacturer with higher failure rate





Is this a production problem? Example – **PIP Implants**

* Simulated failure data

Clinical evaluation of GMDN?



High-Risk Implants Work Group Report:

"Use of the GMDN term assigned to UDI-DIs and their associated implantable collective codes supports the most accurate programmable approach to identifying implantable devices."

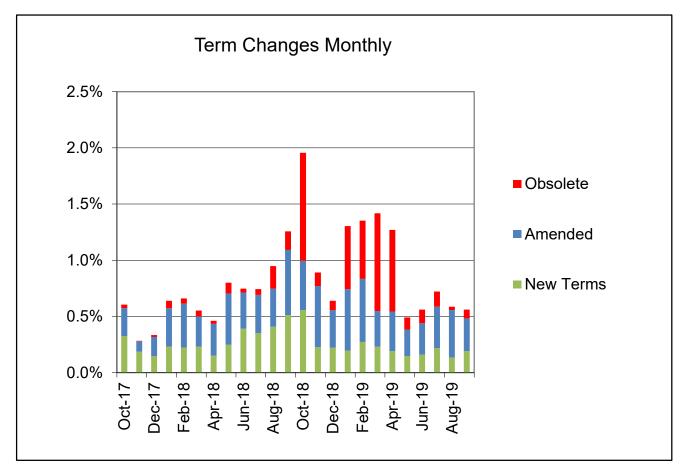
More at www.ahrmm.org/LUC

What else can we identify?

Identifing products that have similar attributes allows us to:

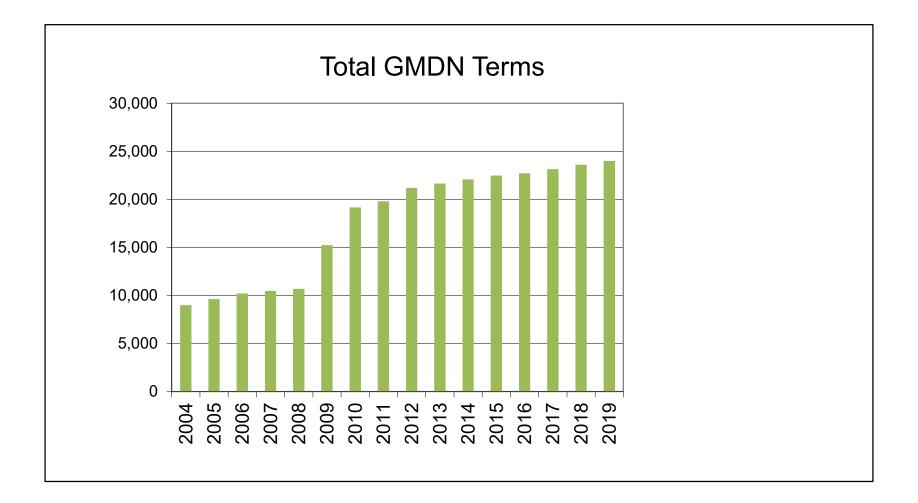
- Identify 'high risk in use' devices
- Products that have specific training needs
- Identify any hazardous materials
- Any services needed, such as electricity or compressed air
- Maintenance & calibration requirements
- Product containing software
- Contaminated waste management
- Etc, etc, etc.....

What is the Trend for GMDN changes?



"Our sector files one new European patent every 50 minutes" - MedTechEurope

New Terms are increasing, but slowly

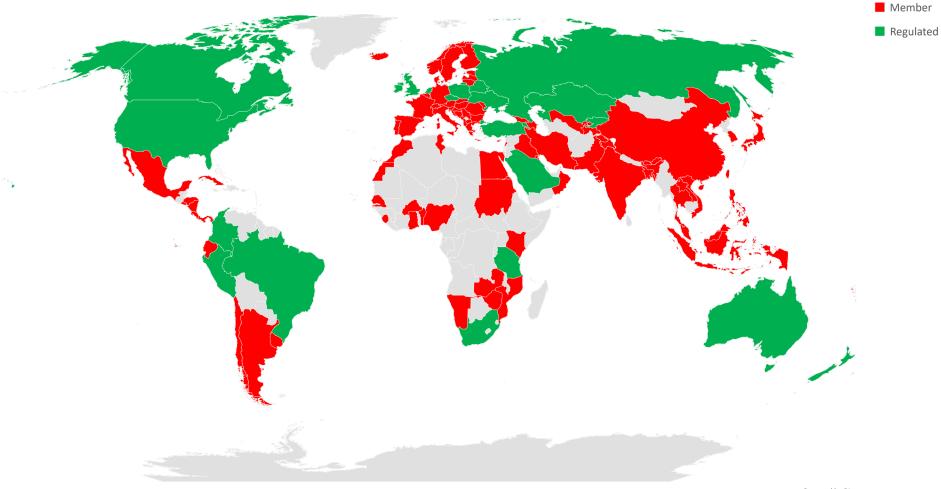


The GMDN today

- Used by 110 national Medical Device Regulators
- Has over 6500 Manufacturers registered today
- Up-to-date with latest medical technology
- 24,000 product descriptions with detailed definitions
- Translated into 24 languages

The GMDN is available now!

Global use of GMDN



Who is the GMDN Agency?

- UK Registered Charity since 2013
- Set-up by medical device Regulators
- Funded by Members, who benefit from global compliance
- Governance:
 - Board of volunteer Trustees
 - Policy Advisory Group
 - Regulators
 - Healthcare Providers
 - Manufacturers

Join us at www.gmdnagency.org

It's all about sharing information!

