



National Wound Care Strategy Programme

NWCSP Stakeholder Engagement Event

The aim of this event is to share progress of a new wound product classification system for the NHS.

8th May 2024

Working in partnership with

**Health
Innovation
Network**

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	Speaker	Time
Welcome and Introduction	Nicky Morton NWCSP Lead for Supply and Distribution Workstream National Wound Care Strategy Programme	13:00
National Wound Care Strategy Programme Context Setting	Rachael Lee Acting Programme Manager National Wound Care Strategy Programme	13:05 - 13:15
National MedTech Strategy Introduction	David Lawson Director of MedTech and Innovation Department of Health and Social Care	13:15 - 13:30
Global Medical Device Nomenclature (GMDN) Agency	Barry Daniels Senior Clinical Lead GMDN Agency	13:30 - 13:45
Development of The NWCSP Wound Product Classification System For Dressings	Nicky Morton NWCSP Lead for Supply and Distribution Workstream	13:45 - 14:15
Plenary Discussion – Questions and Answers	All	14:15 - 15:00
Close		





**National Wound Care
Strategy Programme**

Development of the Wound Product Classification System

8th May 2024

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Long and arduous

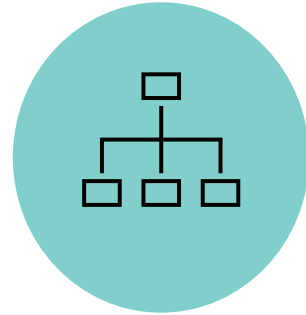




The Need



Identifying dressings



Developing the hierarchy



Complexity and Context



Attributes and Population



Next Steps



The need



Why do we need a new wound product classification system?

Several existing systems that group wound care products. None are comprehensive and able to support the following two requirements:

- (a) the **business functions** of the NHS for the selection, supply, and distribution of wound care products and able to consistently merge and report data across all routes of supply, and
- (b) to underpin **clinical decision support** (CDS) for wound care product selection within digital systems.

The NHS needs to be able to report (from any clinical system or supply system) some basic grouping of products, to use as the basis for analysis outputs.

These groupings need to be **clinically relevant** so that clinical staff can interpret and use data for product review and quality improvement initiatives.

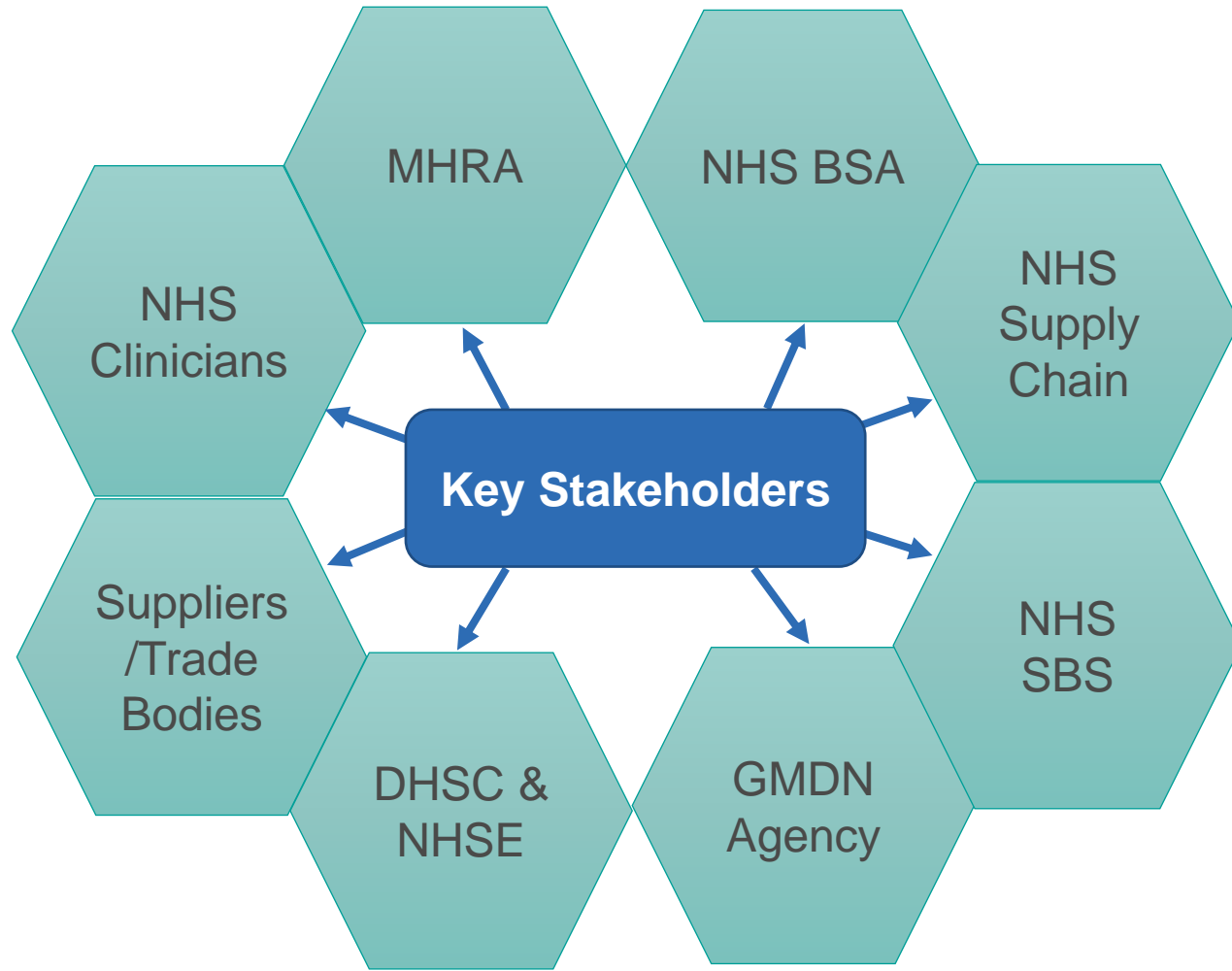


Wound Care Handbook



Complexity and context





Existing systems for grouping of products

- BNF chapters and sub-chapters
- NHS SC framework categories
- SDMA categorisation system
- GMDN Agency categories, terms and definitions
- Examples of NHS provider wound management formularies
- Wound care handbook

Level 1	British National Formulary Apx 4	Level 1	Drug Tariff Part IX	Level 1	NHS SC - Frameworks	NHS S85 - Frameworks	Level 1	SDMA	Level 1	GMDN	Collective Terms	
1	Basic Wound Contact Dressing	1	Bandages	1	Tower 3 - General Wound Care	1	Advanced Wound Care Dressings	1	Tapes and Traditional Dressings	1	Bandages	CT1999
2	Advanced Wound Dressing	2	Dressings (58 sub categories)	2	Tower 3 - Advanced Wound Care	2	Advanced Wound Care and Lymphoedema Compression Bandages and Hosiery	2	Bandages	2	Wound Irrigation	CT2288
3	Antimicrobial Dressing	3	Emollient and Barrier preparations	3	Tower 3 - Negative Pressure	3	Specialist Burns & Scar Management Products	3	Advanced Wound Management	3	Dressings	CT554
4	Specialised Dressing	4	Irrigation solutions	4	Tower 5 - Vascular Therapy & Associated Products	4	Wound Care Dressing Packs	4	Odour Management	4	Wound Therapy Systems	CT1189
5	Adjunctive Device and Appliances	5	Leg Ulcer Wrap									

Wound management products

Basic wound contact dressings

Advanced wound dressings

Antimicrobial dressings

Specialised dressings

Adjunct dressings and appliances

Complex adjunct therapies

Wound care accessories

Bandages

Compression hosiery and garments

Level	British National Formulary Apx 4	Level	NHS Supply Chain - Level 2	Level	SDMA - Level 2
1.1	Low adherence	1.10	Film Dressings Core Sizes	1.1	Wound dressings
1.2	absorbent	1.20	Film Island Dressings Core Sizes	1.2	Swabs
2.1	Hydrogel	1.30	Film Dressings and Fixation Devices	1.3	Taping
2.2	Vapour-permeable films	1.40	Barrier Film Core Sizes	2.1	Compression Bandaging and Components
2.3	Soft Polymer	1.50	Barrier Cream Core Sizes	2.2	Traditional bandages
2.4	Hydrocolloid	1.60	Skin Protectants	3	Wound and post-operative dressings
2.5	Foam	1.70	Medical Adhesive Tapes	4	Odour management
2.6	Alginate	1.80	Non woven island dressings	5	Wound irrigation
2.7	Capillary-acting dressings	1.90	Backed super absorbent dressings core sizes	6.1	Silver
2.8	Odour absorbent dressings	1.10	non backed super absorbent dressings core sizes	6.2	PHMB
3.1	Honey	1.11	super absorbent dressings	6.3	DACC
3.2	Iodine	1.12	dressing pads	6.4	Chlorhexidine
3.3	Silver	1.13	compression bandages	6.5	Honey
3.4	Other	1.14	general use bandages	6.6	Iodine
4.1	Protease Modulating	1.15	medical swabs core basket	7.1	Burns Management
4.2	Silicone Keloid	1.16	gauze absorbents	7.2	Scar Management
5.1	Surgical absorbents	1.17	Ancillary swabs	8	debridement
5.2	Wound drainage pouches	1.18	Cotton wool	9	Compression Garments
5.3	Physical debridement pads	1.19	First Aid Kits	10	Device secural
6	Topical negative therapy	1.20	Plasters	11	Wound Closure
7.1	Dressing Packs	1.21	Ambulance and Emergency Products	12.1	Topical Negative Pressure Therapy
7.2	Woven and fabric swabs	1.22	Oral foaming agent	12.2	Haemostatic
7.3	Surgical adhesive tapes	2.10	Silicone foam dressings	12.3	Topical Oxygen Therapy
7.4	Adhesive dressings	2.20	Non silicone foam dressings	12.4	Other Specialist Therapies
7.5	Skin closure dressings	2.30	Enhanced foam dressings	13.1	Pressure Ulcer Prevention
8.1	Non-extensible bandages	2.40	silicone wound contact layers	13.2	Peri-wound and Skin Protection
8.2	Light-weight confirming bandages	2.50	Wound contact layers.	14.1	Adhesive Removers
9.1	Tubular bandages	2.60	Gelling fibres	14.2	Exudate collection
9.2	support bandages	2.70	Alginates		
9.3	adhesive bandages	2.80	Hydrocolloids and Hydrogels		
9.4	cohesive bandages	2.90	Adhesive Removers		
9.5	multi-layer compression bandaging	2.10	Antimicrobials		
9.6	medicated bandages	2.11	Burns and scar management		
9.7	Medicated stocking	2.12	Wound irrigation		
10.1	Graduated compression hosiery	2.13	Speciality Wound Care		
10.2	Lymphoedema garments	3.00	Topical Negative Pressure		
		4.10	Graduated compression Garments		
		4.20	Leg Ulcer Kits		
		4.30	Alternative Therapy Devices		
		4.40	Applicators, Tape Measure and accessories		

Categorisation of Wound Care & Associated Products



Wound Care Handbook

The comprehensive guide to product selection

In association with



How the current systems differ..

An absorbent pad with film adhesive:

BNF Chapters

Level 1: Wound management products and elasticated garment

Level 2: Advanced wound dressing

Level 3: Vapour permeable adhesive film dressings with absorbent pad

NHS Supply Chain

Level 1: General wound care

Level 2: Film dressings and fixation devices

Level 3: Dressing vapour-permeable adhesive film with absorbent pad sterile

SDMA Classification

Level 1: Advanced wound management

Level 2: Wound and post-operative dressings

Level 3: Film dressings

Level 4: Film dressings with absorbent pads

GMDN Agency

Level 1: Dermal dressings

Level 2: Adhesive bandage

Wound Care Handbook

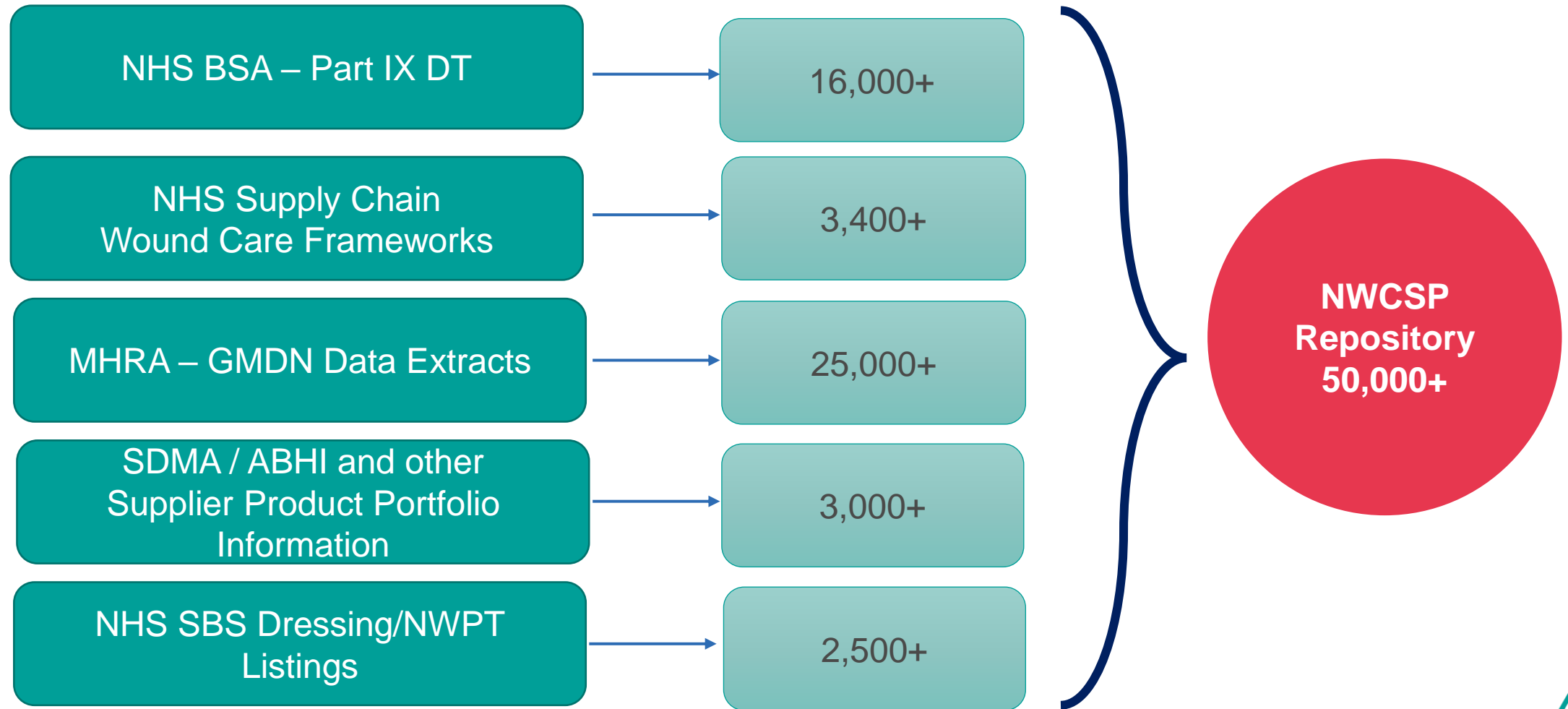
Level 1: Films



Identifying dressings



Data sources for product identification

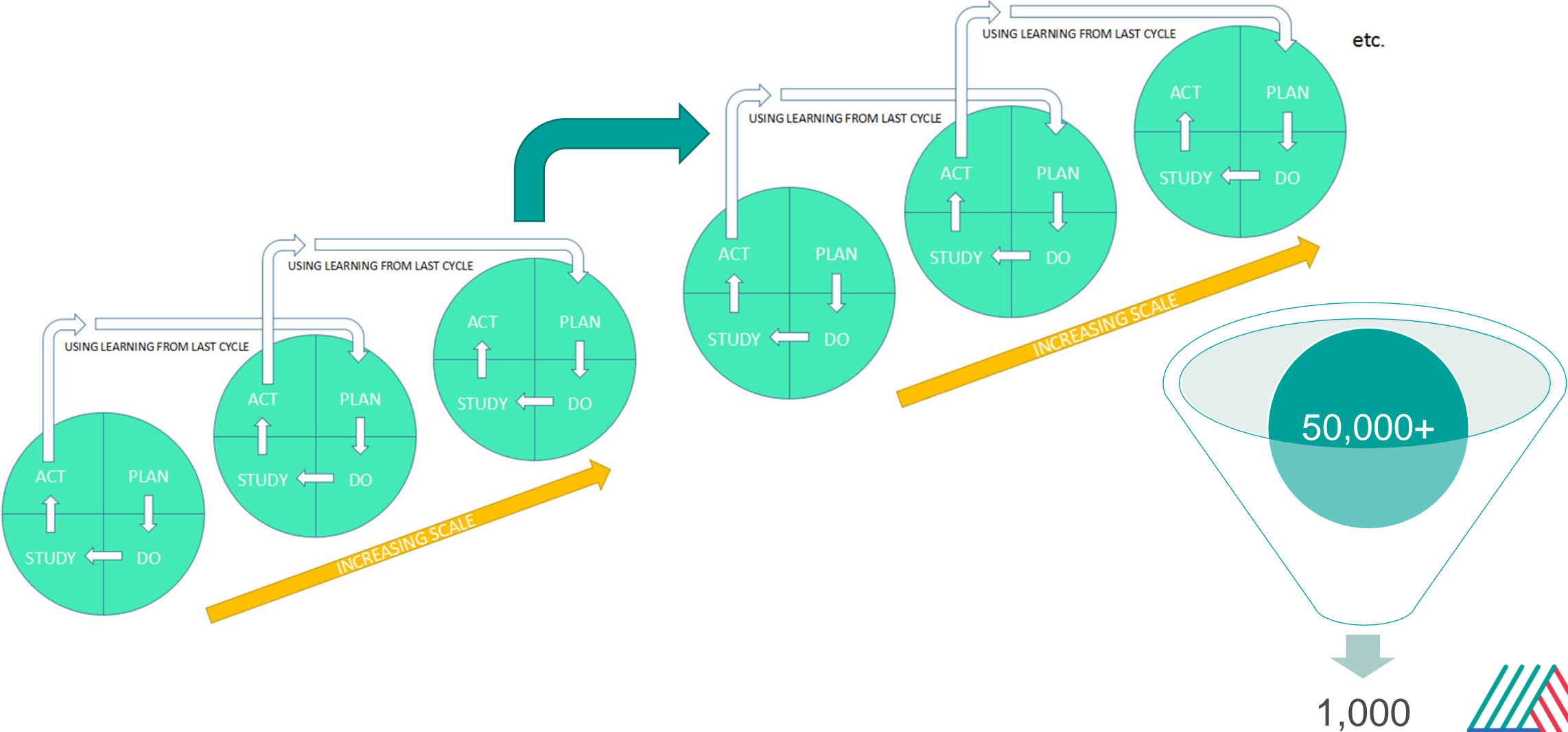


Inconsistencies between data sources

Text	Codes	Product information	Other
Products named/ spelled differently across data sets	Incorrect Codes	Sizes listed in different units	Products listed on Drug Tariff but not evident on MHRA data extract
Sizes and codes listed in product name fields	Duplicate manufacturer codes for different products	Sizes not listed	Similar products placed in different groups
Inconsistency in text format	Codes entered in incorrect fields	Supplier UK website information different to codes listed	
Products not described accurately	Incorrect codes across all fields	Not current suppliers / distributors	
	Lack of GTIN & PIP codes		



Data cleansing dressings



Attributes and population

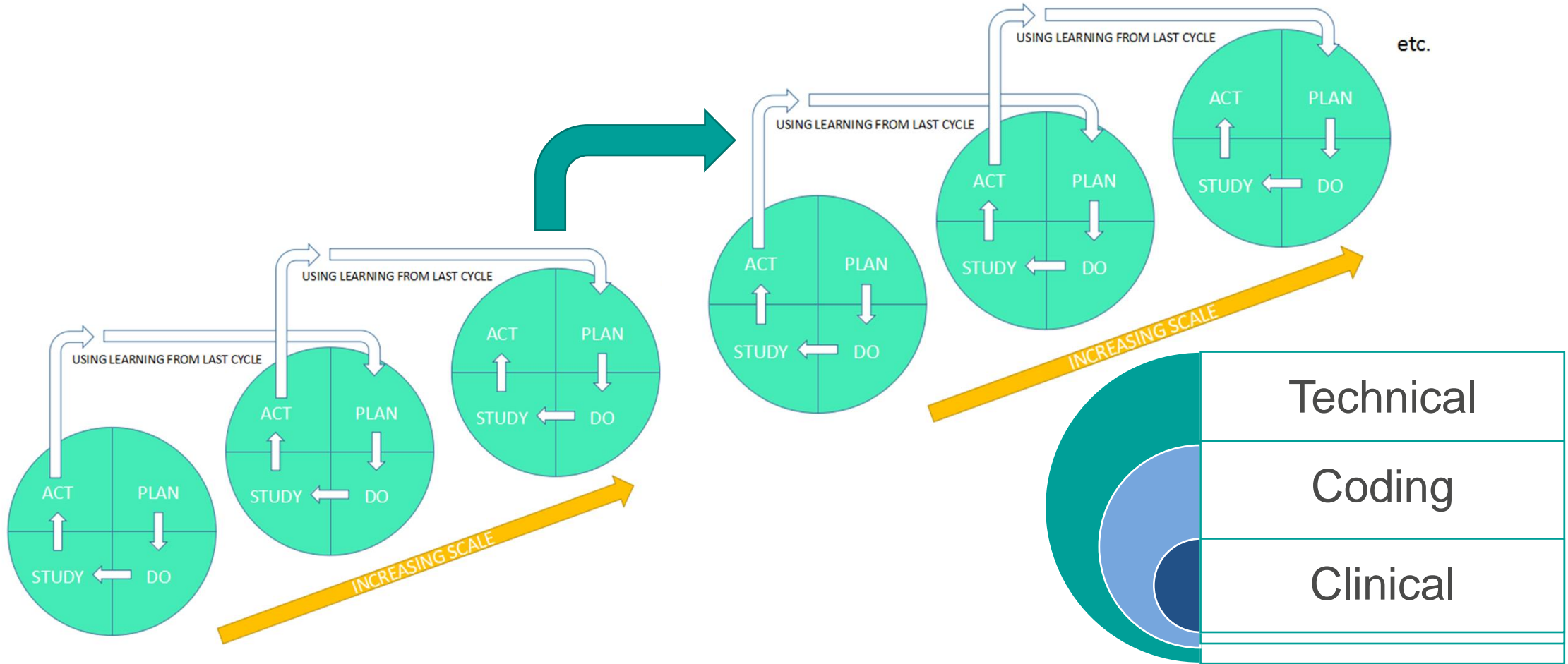


Distinguishing between products

- We needed to find a way to distinguish between products that would support business and clinical functions in the NHS.
- To do this, we needed to identify the key features that vary in wound management products.
- We developed the notion of attributes in three domains
 - **coding attributes**
 - **technical attributes**
 - **clinical attributes**
- Design a robust methodology to populate the attributes.
- Design a quality assurance methodology.



Attribute design iteration



The attributes

55 attributes were identified as key variables when distinguishing between dressings. These were broken down into categories;

- **Coding**

GTIN, GMDN code, NHS SC code, BNF code, SNOMED code, Manufacturer code, PIP code

- **Technical** attributes

includes presentation, ingredients e.g. foam, alginate, hydrogel, antimicrobial agents, latex, animal products, wear indicator (43 in total)

- **Clinical** attributes

absorbency and retention of exudate, permeability, skin adherence, wound bed adherence, risk of particulate residue



Populating attribute values

- **Coding attributes**

- Populated using data from Drug Tariff, dm+d, NHS SC, NHS SBS, supplier, and MHRA data.

- **Technical attributes**

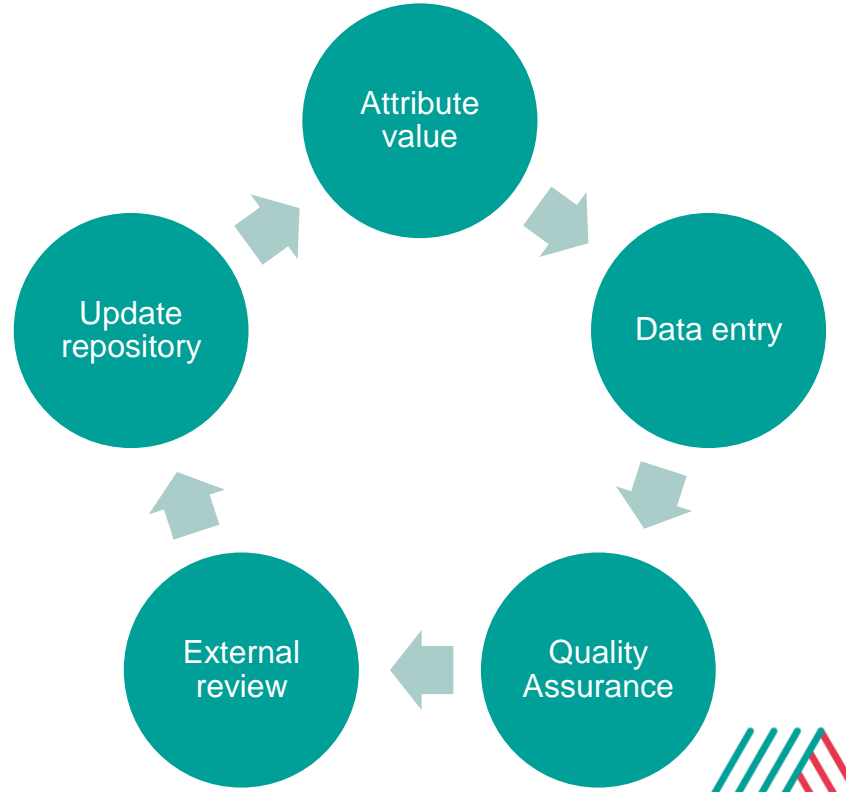
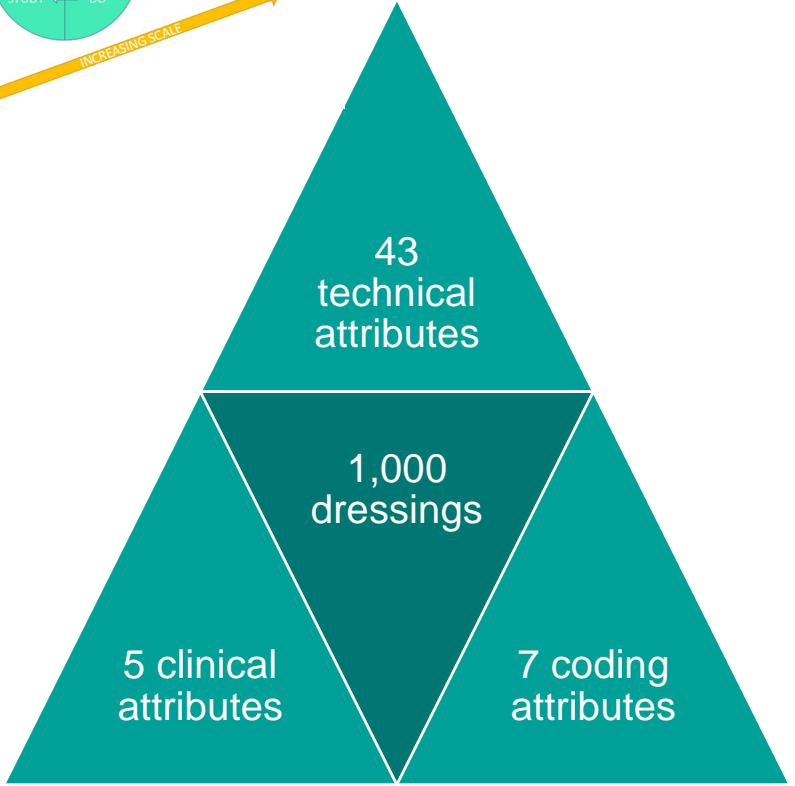
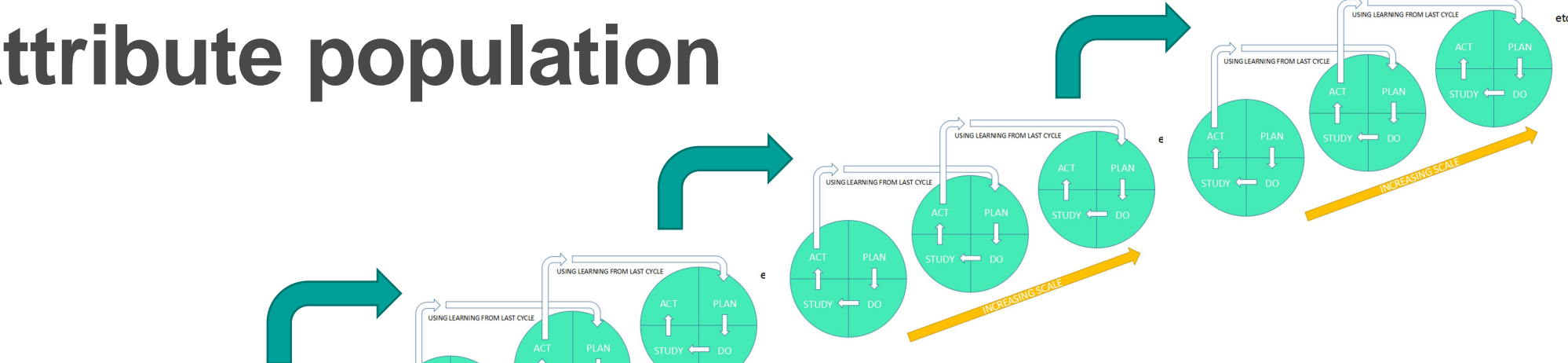
- Populated using data from a myriad of resources e.g. dm+d description, MHRA information, supplier spreadsheet returns, Clinical Evaluation Team reports, suppliers' websites, product specifications and instructions for use.

- **Clinical attributes**

- Not available from reference sources or supplier information.
- In vitro and in vivo tests neither comprehensive or consistent.
- Required clinical judgement.
- Clinical Reference Group assigned.
- Sense checked by product line via a Delphi software system.



Attribute population



Developing the dressings hierarchy



Starting at level 1 from a clinical perspective

1	Dressings
2	Irrigation
3	Debridement Pads and Cloths
4	Barrier creams & Films
5	Bandages
6	Specialist Therapies
7	Compression Hosiery
8	Procedure Packs and accessories
9	Tapes

- An iterative process was undertaken reviewing
 - a selection of NHS formularies
 - population of attributes
 - existing categorisation systems
- Resulting in draft level 1 groupings, not yet finalised.
- Clinical Reference Group involvement ongoing to amend if required.
- Stakeholder feedback much appreciated.



The emerging classification system

Level 1	No.	Level 2	No.	Level 3	No.	Level 4	GMDN Code	No.
Dressings	789	20.1.1 Non-antimicrobial dressings		20.1.1.1 Semi-permeable Adhesive Protective Film	51	20.1.1.1.1 Semi-permeable Adhesive Film	58301	23
						20.1.1.1.2 Intravenous access protector	65042	23
						20.1.1.1.3 Low trauma semi-permeable adhesive film	58316	5
				20.1.1.2 Low-adherent Permeable Wound Contact Layer (WCL)	41	20.1.1.2.1 Textile, permeable	46855	10
						20.1.1.2.2 Soft Polymer / Silicone, permeable	46855	25
						20.1.1.2.3 Other	46855	6
				20.1.1.3 Adhesive bandage	50	20.1.1.3.1 Absorbent pad with fabric adhesive border	34864	24
						20.1.1.3.2 Absorbent pad with film adhesive border	34864	23
						20.1.1.3.3 Absorbent pad with low trauma adhesive border	34864	3
				20.1.1.4 Exudate-absorbent Dressing (hydrophillic gel)	122	20.1.1.3.1 Alginate	43186	44
						20.1.1.3.2 Gelling fibre	43186	35
						20.1.1.3.3 Hydrocolloid	43186	25
						20.1.1.3.4 Thin Hydrocolloid	43186	12
						20.1.1.3.5 Other	43186	6
				20.1.1.5 Exudate	1	Absorbent pad - non adhesive	44970	16
						Foam with adhesive border	44970	21
						Foam non-adhesive	44970	28
						Superabsorbent dressing with adhesive border	44970	15
						Superabsorbent without adhesive border other	44970	46
						44970	44970	1
				20.1.1.6 Wound		Foam with low trauma adhesive (standard)	46854	73
						Foam with low trauma adhesive (low exudate)	46854	14
						Foam non-adhesive with low trauma contact		
						Foam non-adhesive with contact (low exudate)		
						Absorbent pad with low contact		
						20.1.1.5.6 Other		
						20.1.1.5.7 Other		
				20.1.1.7 Moisture Donating Hydrogel dressings	34	20.1.1.6.1 Amorphous HydroGel		
						20.1.1.6.2 Hydrogel sheet		
						20.1.1.6.3 Hydrogel sheet with adh		
				20.1.1.8 Odour absorbent Dressings (44897)	11	20.1.1.8.1 Odour absorbent dressi		
				20.1.1.9 First Aid Dressings	4	20.1.1.9.1 First Aid Dressings		
				20.1.2.1 Low-adherent WCL antimicrobial Dressing	27	20.1.2.1.1 DACC		
						20.1.2.1.2 Silver		
		20.1.2 Antimicrobial Dressings	64					

L1 (Dressings)

L2 Non-antimicrobial and antimicrobial

L3 Similar to recommended GMDN code, term & definition

L4, (+L5, +L6) Reaching clinically comparable groups



Level 1

Level 2

Level 3

Dressings

Irrigation

Debridement Pads and Cloths

Barrier creams & Films

Bandages

Specialist Therapies

Compression Hosiery

Procedure Packs and accessories

Tapes

Non-antimicrobial Dressings

Antimicrobial Dressings

Semi-permeable Adhesive Protective Film
 Low-adherent Permeable Wound Contact Layer
 Adhesive bandage
 Exudate-absorbent Dressing (hydrophilic gel)
 Exudate-absorbent Dressing (non-gel)
 Wound low-adherent dressing, absorbent
 Moisture Donating Hydrogel dressings
 Odour absorbent Dressings
 First Aid Dressings

Low-adherent permeable WCL Antimicrobial Dressing
 Moisture Donating Antimicrobial Hydrogel Dressings
 Exudate-absorbent Antimicrobial Dressing (hydrophilic gel)
 Exudate-absorbent Antimicrobial Dressing (non-gel)
 Wound nonadherent dressing, absorbent, antimicrobial
 Odour absorbent antimicrobial dressing



Level 1

Level 2

Level 3

Level 4

Dressings

Irrigation

Debridement Pads and Cloths

Barrier creams & Films

Bandages

Specialist Therapies

Compression Hosiery

Procedure Packs and accessories

Tapes

Non-antimicrobial Dressings

Antimicrobial Dressings

Adhesive bandage

Semi-permeable Adhesive Protective Film
Low-adherent Permeable Wound Contact Layer
Exudate-absorbent Dressing (hydrophilic gel)
Exudate-absorbent Dressing (non-gel)
Wound low-adherent dressing, absorbent
Moisture Donating Hydrogel dressings
Odour absorbent Dressings
First Aid Dressings

Low-adherent permeable WCL
Antimicrobial Dressing
Moisture Donating Antimicrobial Hydrogel Dressings
Exudate-absorbent Antimicrobial Dressing (hydrophilic gel)
Exudate-absorbent Antimicrobial Dressing (non-gel)
Wound nonadherent dressing, absorbent, antimicrobial
Odour absorbent antimicrobial dressing

Absorbent pad with fabric adhesive border

Absorbent pad with film adhesive border

Absorbent pad with low trauma adhesive border



How the current systems differ...

An absorbent pad with film adhesive:

BNF Chapters

Level 1: Wound management products and elasticated garment

Level 2: Advanced wound dressing

Level 3: Vapour permeable adhesive film dressings with absorbent pad

NHS Supply Chain

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Level 3: Dressing vapour-permeable adhesive film with absorbent pad sterile

SDMA Classification

Level 1: Advanced wound management

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Level 3: Film dressings

Level 4: Film dressings with absorbent pads

GMDN Agency

Level 1: Dermal dressings

Level 2: Adhesive bandage

Wound Care Handbook

Level 1: Films

NWCSP with current GMDN descriptors

Level 1: Dressings

Level 2: Non antimicrobial

Level 3: Adhesive bandage

Level 4: Absorbent pad with film adhesive border



Potential issues with GMDN code selection

Adhesive Bandage - 34864

- A sterile piece of fabric or plastic material intended to be applied to a part of a patient's body and held in place by its pressure-sensitive adhesive to secure objects to the skin, cover and protect wounds, and/or approximate the skin edges of a wound; it may or may not include an absorbent pad. It is not intended for compression bandaging and is not an adhesive tape nor an adhesive strip (e.g., such as an Elastoplast or Band-aid brand).

23 suppliers

Exudate-absorbent dressing, non-gel, non-antimicrobial - 44970

- A wound covering intended to assist in wound healing by absorbing exudate in wounds (e.g., ulcers, burns, surgical wounds, lacerations, abrasions) and often by creating a moist wound-healing environment. It is not in the form of a gel and does not produce a water-absorbent gel upon contact with wound exudates, but may be designed to absorb and remove exudates (e.g., by capillary action); it does not contain an antimicrobial agent, but may include antioxidant properties. The device is available in a variety of forms (e.g., flat sheet/film-like, impregnated pouches, filled sachets, lyophilized matrix, ribbon, rope, foam, liquid, or powder).

3 suppliers

7 suppliers

Other GMDN codes



Level 1

Level 2

Level 3

Level 4

- Dressings
- Irrigation
- Debridement Pads and Cloths
- Barrier creams & Films
- Bandages
- Specialist Therapies
- Compression Hosiery
- Procedure Packs and accessories
- Tapes

Non-antimicrobial Dressings

Antimicrobial Dressings

- Adhesive bandage
- Semi-permeable Adhesive Protective Film
- Low-adherent Permeable Wound Contact Layer
- Exudate-absorbent Dressing (hydrophilic gel)
- Exudate-absorbent Dressing (non-gel)
- Wound low-adherent dressing, absorbent
- Moisture Donating Hydrogel dressings
- Odour absorbent Dressings
- First Aid Dressings

- Low-adherent permeable WCL Antimicrobial Dressing
- Moisture Donating Antimicrobial Hydrogel Dressings
- Exudate-absorbent Antimicrobial Dressing (hydrophilic gel)
- Exudate-absorbent Antimicrobial Dressing (non-gel)
- Wound nonadherent dressing, absorbent, antimicrobial
- Odour absorbent antimicrobial dressing

- Absorbent pad - non adhesive
- Foam with adhesive border
- Foam non-adhesive
- Superabsorbent dressing with adhesive border
- Superabsorbent without adhesive border

- Amorphous Hydrogel
- Hydrogel sheet
- Hydrogel sheet with adhesive border



Next Steps



Quality assurance of technical and coding attributes

- Technical and coding attribute data for dressings currently going out individually to all suppliers / manufacturers on a weekly basis inviting them to quality assure our data repository:
 - Includes where we have recommended a different GMDN code.
- Ongoing process of updating our repository as and when returns are received from suppliers.
- Hoping to complete by end June 2024.



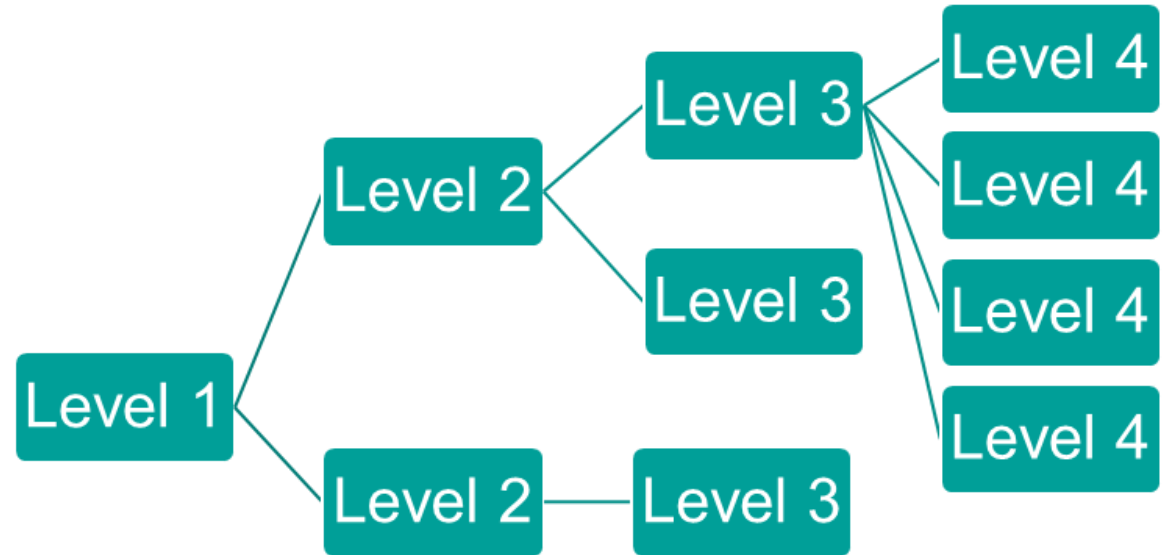
Sharing emerging hierarchy – levels 1 - 4

- Today's slides will be posted on our website.
- We plan to share the emerging hierarchy levels 1-4 with stakeholders, in the next few weeks.
- Invite comments by end of June.



Quality assurance of product grouping by suppliers

- Timing in part dependent on results of previous two stages.
- Suppliers will receive the proposed position of their products in the emerging classification system.
- Feedback will be invited.



Moving on from dressings

1	Dressings
2	Irrigation
3	Debridement Pads and Cloths
4	Barrier creams & Films
5	Bandages
6	Specialist Therapies
7	Compression Hosiery
8	Procedure Packs and accessories
9	Tapes

- Irrigation, debridement pads and cloths and specialist therapies
 - in preparation for supplier QA
 - hoping to complete by end of July 2024
- Bandages, barrier creams and films
 - at product identification and data cleansing stage



Implementation and links to other projects

- Implementation by organisations who list and supply wound management products.
- Establishing mechanisms for updates to the classification system.
- Quality assurance of GMDN code.
- Links to MHRA and PIM, DHSC Drug Tariff review.
- All funding dependant, NWCSP funding under review.



Plenary Discussion – Questions and Answers

- Questions for panel



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