Implementing FMD - A Welsh Perspective
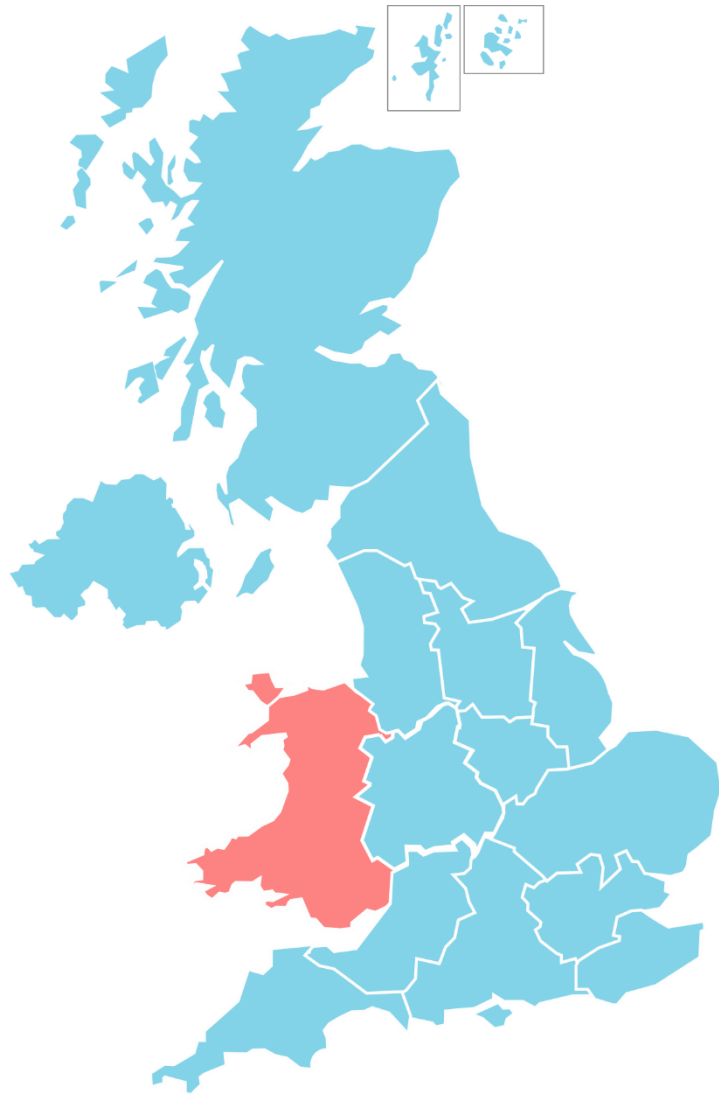
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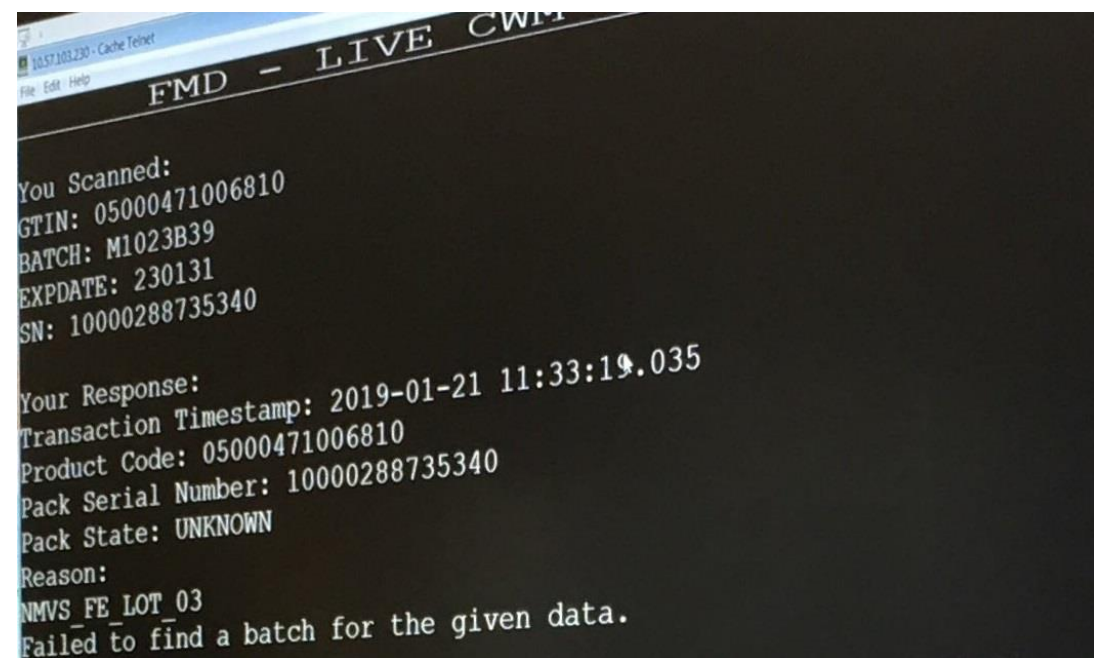GIG CYMRU NHS WALES | Gwasanaeth Gwybodeg Informatics Service

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State of readiness

The All-Wales Hospital Pharmacy system is successfully communicating with the National Medicines Verification System.

Every hospital in Wales using the All-Wales pharmacy system has a connection to the NMVS through a certificate assigned to their legal entity.

Several packs have been decommissioned from the live NMVS.

Hosted a series of workshops, seminars and training days for representatives from each health board.

Attended workshops in England to gain a greater understanding of how ready hospitals in NHS England are.

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Practical issues & barriers

Biggest barrier: Brexit.

Technological concerns – can we leverage our existing I.T. solutions?

Disruption to workflow and misunderstanding of implications.

Communication on a national (All-Wales and All-UK) level.

Willingness to share information between NHS Wales & NHS England (NHS Digital), hospital & community (FMD Source), private & public (Gov.UK).

Differing workflows from hospital to hospital.

Regulations coming into force as part of the Falsified Medicines Directive will not apply to the UK if it leaves the EU without a deal, the Medicines and Healthcare products Regulatory Agency has announced.

Source: Jonathan Buisson / UK FMD Working Group

Anti-tamper and authentication regulations being implemented under the Falsified Medicines Directive will not apply in the case of a no-deal Brexit, the MHRA has said

https://www.pharmaceutical-journal.com/news-and-analysis/news/fmd-regulations-wont-apply-after-no-deal-brexit-says-mhra/20205559.article

Challenges for the correct implementation

Standardisation (and agreement!) of processes and technology.

What constitutes a "false" alert, and how will they be handled?

Uncertainty around clinical decision-making.

Will third-party automation providers cooperate?

Who decides the correct approach?

8.3 Friendly Alert Messages

The "Response to Display" column indicates the friendly error message that supersedes the "NMVS Response" column that indicates the default message returned by the NMVS.

	RESPONSE TO DISPLAY	RETURN CODE	NMVS RESPONSE
R1	There is a technical error. Please retry with other packs and contact NWIS if issue persists.	NMVS_ERROR	A general technical exception occurred.
R2	The GTIN is in the wrong format.	NMVS_FE_GR_04	Invalid Productcode.
R3	Do not dispense. Pack has been flagged as recalled by supplier. Follow SOP.	NMVS_FE_LOT_01	The selected batch has already been recalled.
R4	The pack in this format is not listed in the National Repository. Follow SOP.	NMVS_FE_LOT_02	Selected batch designation already exists with a different expiry date.
R5	The batch number is not listed in the National Repository. Follow SOP.	NMVS_FE_LOT_03	Failed to find a batch for the given data.
R6	TBC	NMVS_FE_LOT_07	The expiry date contains incorrect date value.
R7	The expiry date is not listed in the National Repository. Follow SOP.	NMVS_FE_LOT_12	Expiry date does not match the date held in the NMVS.
R8	The product code is not listed in the National Repository. Follow SOP.	NMVS_NC_PC_01	Unknown product code.
R9	The serial number is not listed in the National Repository. Follow SOP.	NMVS_NC_PC_02	Unknown serial number.
R10	The product code is not listed in the National Repository. Follow SOP.	NMVS_NC_PC_06	Product code not available in the system (no alert).
R11	Do not dispense. Pack has been flagged as		
R12	The serial number is not listed in the Natio		
R13	Pack has been decommissioned using a di type to recommission pack.		
R14	Pack is already set to the method you trie		
R15	The pack is unable to be recommissioned days ago.		
R16	Pack was decommissioned in a different l here.		
R17	Do not dispense. Pack has been previously		
R18	Pack has already been scanned in this loca		

How technology can support the implementation

Case study undertaken in Oxford, NHS England using third party standalone solution. Information around expected timings.

In NHS England, third-party Pharmacy System providers developing and releasing solutions.

In Wales, complete workflow integration – reduces mental and physical burden for staff.

Creation of applications to facilitate FMD for smaller & decentralised pharmacies.

Same application can be used for organisations where scanning would be impractical (in Wales, the Ambulance Trust).

Evolution of the process in the future

Wales are currently in the process of procuring a new All-Wales Hospital Pharmacy system so there will be no further active development of the system.

Integration of automated dispensing solutions is key.

Many opportunities to use the data collected for positive patient care.

Takeaway Message

Communication is the greatest facilitator of FMD implementation.

Technology can deliver mental burden benefits as well as time-saving capabilities.

> I have always believed that technology should do the hard work […] so users can do what makes them happiest […], not messing with annoying computers! That means making our products work together seamlessly.
>
> - Larry Page, 2012