



NMRO



# DTAS conference – 8<sup>th</sup> June

Decoding milk data, building robust insights.



Proficiency Test  
Depot Antibiotic Testing  
Why?  
What?  
When?



**Why?**



# Why the focus on anti-biotics?



AMR (Anti Microbial Resistance) biggest threat to human health in 2020's - WHO

50% of anti-microbial use is in food supply chain – dairy sector not the worst

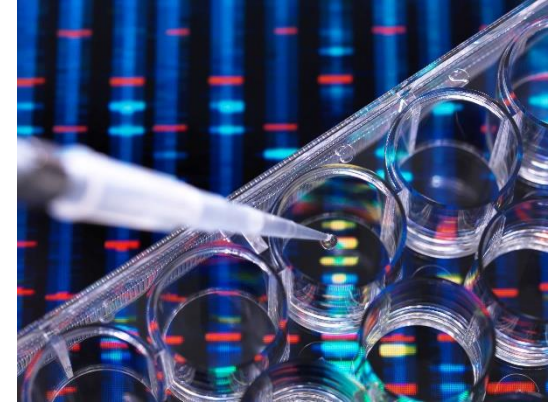


37% of AB use in UK Dairy is prophylactic – routine use of AB when cows dried off

Prophylactic use of AB is now illegal in the EU



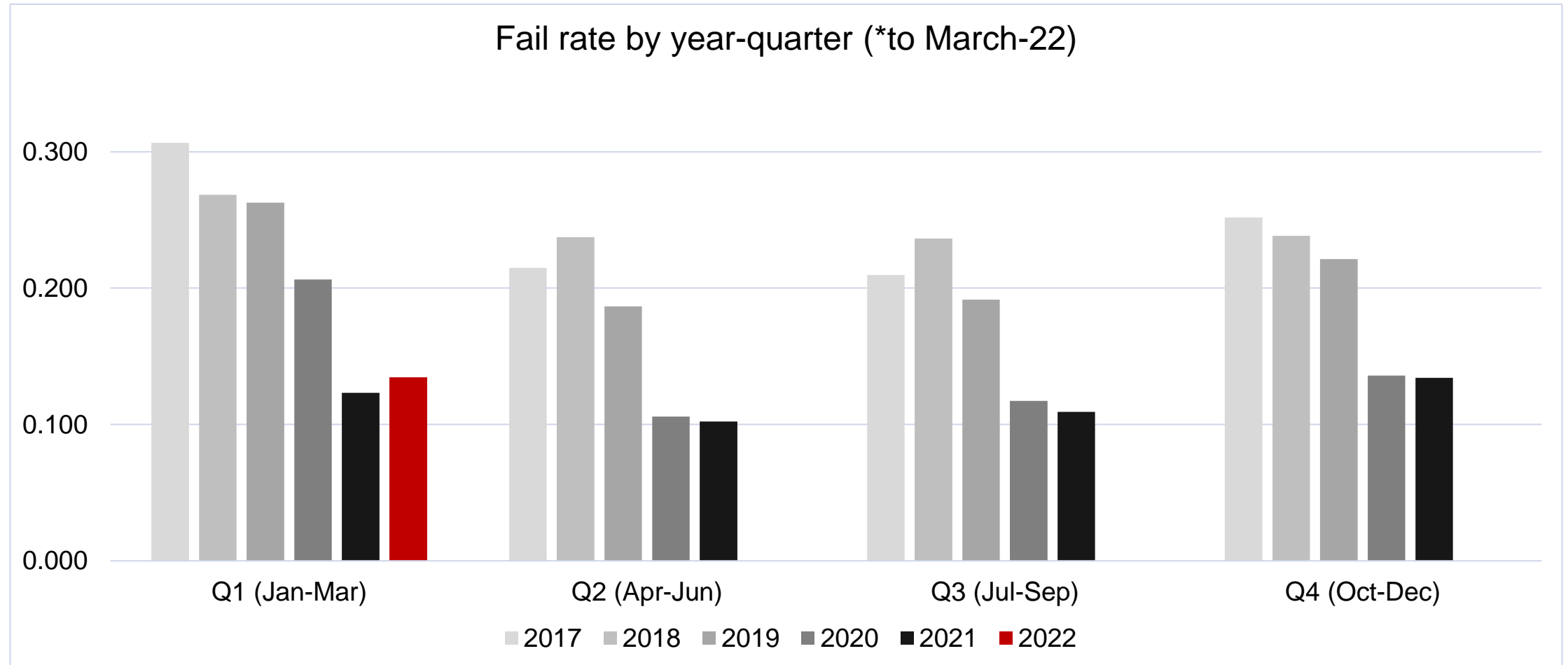
Antibiotic failures first signs of increasing – sustainability agenda is currently top of the wish list but food safety will return



Increased emphasis on testing requires the best in class surveillance schemes. Regulators never far away

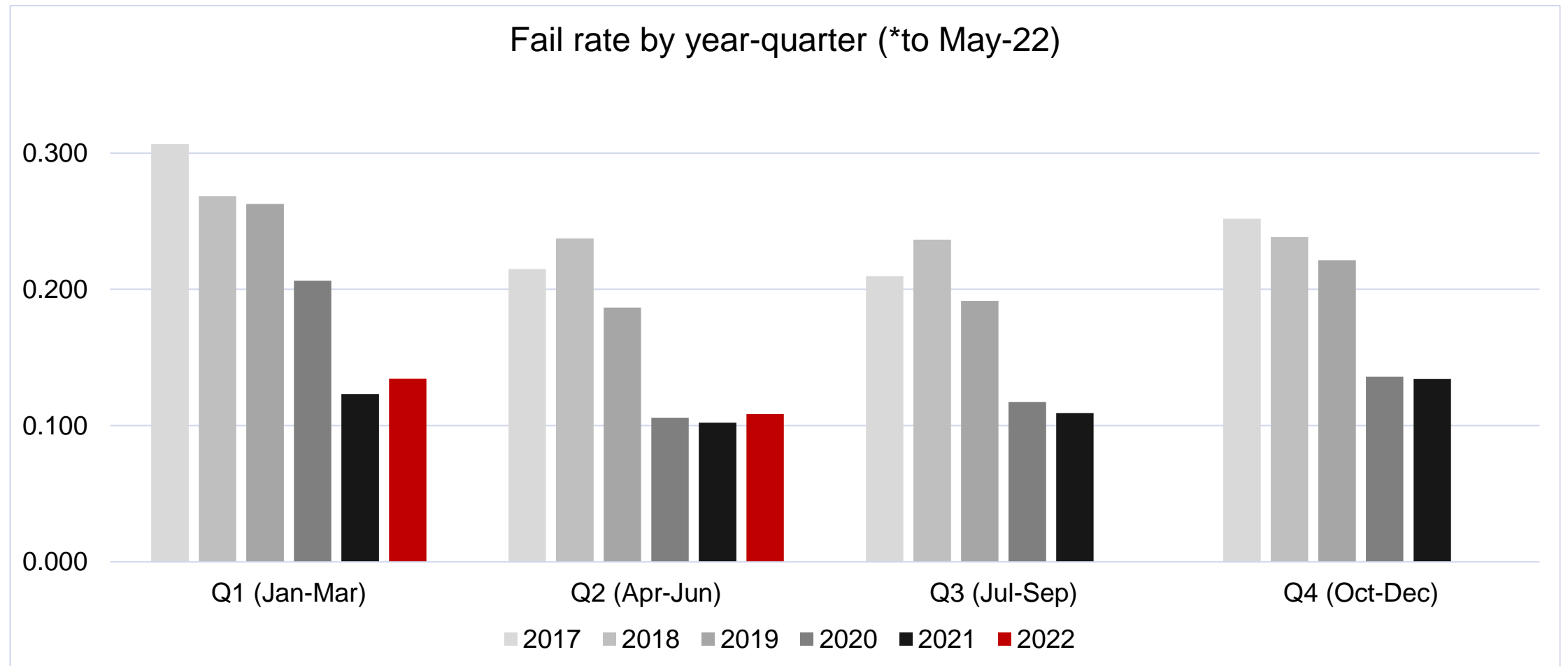


# Antibiotic Fail Rate





# Antibiotic Fail Rate (\*to May-22)





# Need to be better



Still some holes in the AB surveillance programme



**AB failure at farm level is a big deal**

**AB failure at tanker level is a bigger deal**



NMR wants to build a proactive relationship with depots – warranty protocols need to be better.



DTAS in unsung hero in the pre-competitive space



AB PT scheme is a first step





**What?**



# What is a PT scheme?



## Standard samples

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Sample preparation

Sample Integrity

Sample Logistics

Standard protocols

## Blind testing

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Normal SOP at depot

Identifies training needs –  
makes everyone think

Opportunity to ask and softer  
benefits

## Routine rather than one off

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True benefit is in routine testing  
with a number of individual

Evidence part of DTAS audit?



# AB PT scheme

Active ingredients used:

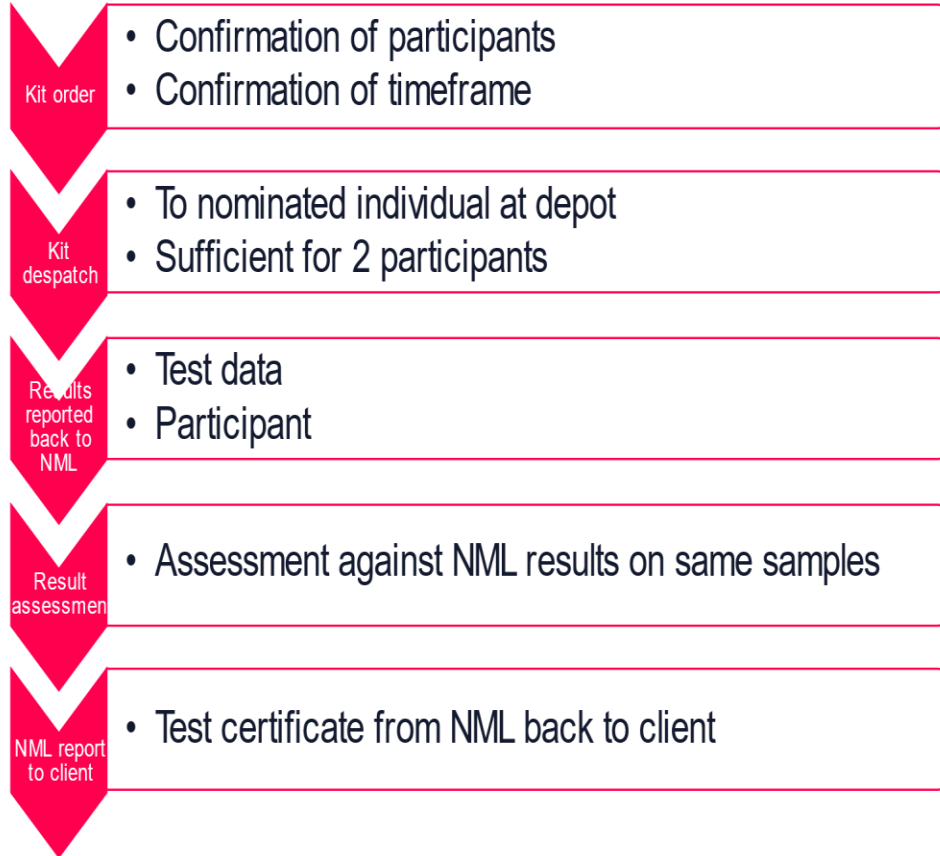
- Penicillin G
- Oxytetracycline
- Sulphamethazine

Tests covered:

- Delvo T
- Betastar (shortly to be out of stock)
- Charm 2 minute (MRLBLTTET2A)
- Charm 3 minute (MRLBL3 -EZ0)
- Charm Quad (Quad 1)
- Trisensor



# AB PT scheme: The process



Cost:  
£320 for ad hoc  
£300 for routine programme





**When?**





# Now!



Further information and instruction leaflets available today

Andy Dungey and myself keen to talk





# Contacts



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