3 Reminders for Turning AMU Data Into Policy-Relevant Insights

Alice Aldora, DVM, MPhil

Antimicrobial Use Team
Antimicrobial Resistance and Veterinary Products Department

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World Organisation for Animal Health

Organisation mondiale de la santé animale

Organización Mundial de Sanidad Animal

The AMU report belongs to your country. It is written by your country, for your country, and intended to support your country.

This is not a report for WOAH.

Rather, WOAH is facilitating and supporting your country's efforts in achieving this objective.

1 Different data tell different parts of the story

Based on the picture of your dog, I think they have a fever

A picture can tell us a lot, but not body temperature.
Just because we have data does not mean we can jump to conclusions

2 Using data to inform policy
≠
putting numbers and suggestions
in the same document

Based on your body temperature, I suggest you take an antipyretic, blood pressure pills, eat only pink salt, take an ice bath, stop drinking coffee, and move to a tropical country (because… fever)

We can always add suggestions beyond the data,
but that does not mean they are valid, evidence-based, or even relevant

Data source	It tells	It does not tell	Good for	Not good for
Import	• Amount entering the country • Classes • Foreign dependency	• Used or expired • Who used them, why and how	• Drug approval regulation (should not be used in animals) • Stock/supply (high-importance) • Illegal imports (border control)	• Clinical guidelines • Stewardship
Sales	• Amount sold • Product details (classes, route) • Temporal trends	• Used or expired • Used properly or not	• Setting national target • Surveillance target • Important antibiotics overreliance • Policy triggers (prescriptions, procurement/tax/trade)	• Treatment guidelines • Appropriateness of treatment • Farm/vet level interventions
Purchase	• Amount sold at lower level • Vets/farmers access to antibiotics	• Used or expired • Used properly or not	• Distribution and market dynamics	• Calculate actual use • Monitoring compliance with treatment guidelines
Veterinary data	• Vet decision-making • Clinical details • Dosing practices	• If prescriptions is followed	• Prescription habit • Treatment guideline • Stewardship	• National AMC estimation • Sales regulation
Farm data	• What was used, on what, when, how, why • Indication, outcome	• National sales	• Treatment guideline • High risk practices • AMU-AMR link • Targeted stewardship	• Import regulation

TIPS: data driven recommendations, complementary strategic recommendations

Why Produce AMU Reports?

Step Back: Why do we care about AMU in animals?

AMU ⟶ AMR

Because antimicrobial use drives antimicrobial resistance,
and we want to protect the effectiveness of antibiotics, especially the important ones

So, we collected AMU data to inform our actions

AMU data — HOW? **?** ⟶ Actions

AMU Report
Report signed – published
- presented/disseminated

National Action Plans

3

" It's not just about measuring and reporting,
it's about why we care

Letting the Why Shape the How:

Making AMU Reporting Meaningful

> It's not just about measuring and reporting, it's about why we care

1. **What do we want to know?**

   How much AMU? Type used the most? High-importance antibiotics? Sector/species contributes the most? Comparison? Temporal changes?
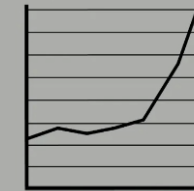
2. **Do not just show what found, show why it matters**

Framing	Meaning
4th gen cephalosporin VS high importance antibiotics	40% increase VS why it matters?

Explain the chart

Explain the change
Event X

Show the data
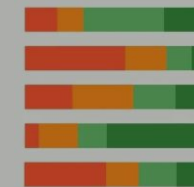
Show the point

Inform
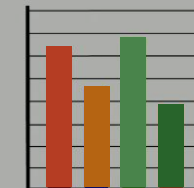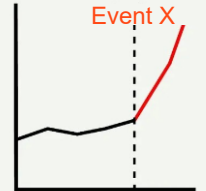
Influence

Thank you

12, rue de Prony, 75017 Paris, France
T. +33 (0)1 44 15 19 49
F. +33 (0)1 42 67 09 87

woah@woah.int
www.woah.org

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