

A "How-To" Guide on Benchmarking Antimicrobial Drug Usage Rates Based on Veterinary Drug Sales Data



Antimicrobial use (AMU) is the primary driver of antimicrobial resistance (AMR). Through both prescriptions and sales, veterinarians are responsible for the use of all medically important antimicrobials (MIAs) in livestock. It is vital we have concrete information upon which to set goals and evaluate success. Benchmarking the sales of antimicrobials in our client herds can give us an idea of realistic goals for a farm. It can foster healthy competition amongst farmers. Finally, evaluating drug use can help further the veterinarian's role as consultant and teacher on the farm. This infographic is designed to teach veterinarians how to use their clinic drug sales information to benchmark antimicrobial drug usage rates (AMDUR) in their clients. This metric has been used in previous research and should serve to standardize data between farms.

1 Sales Data

From your clinic software, download client MIA sales data over the monitoring period. Ideally, you will be able to calculate the total amount of product sold for a given year (in ml, g, or tubes). Create a spreadsheet with each client having a row and each drug sold being a column.

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2 Compendium

Consult the compendium to determine the concentration of active ingredients in each of the drugs you have sold. Add this concentration as a new column beside the corresponding total units sold for each drug in your spreadsheet.

