VetStat Cluster

Project 2020-2024: Evidence based use of VetStat data in science and contingency work.

ACROBAT 7. December 2022

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What am I doing in my PhD?

Majs' work flow: CTRL+C | CTRL+V

Agenda

- VetStat cluster
  - VetStat data – accessibility
  - Benchmarking veterinarians Rapport 1 and 2

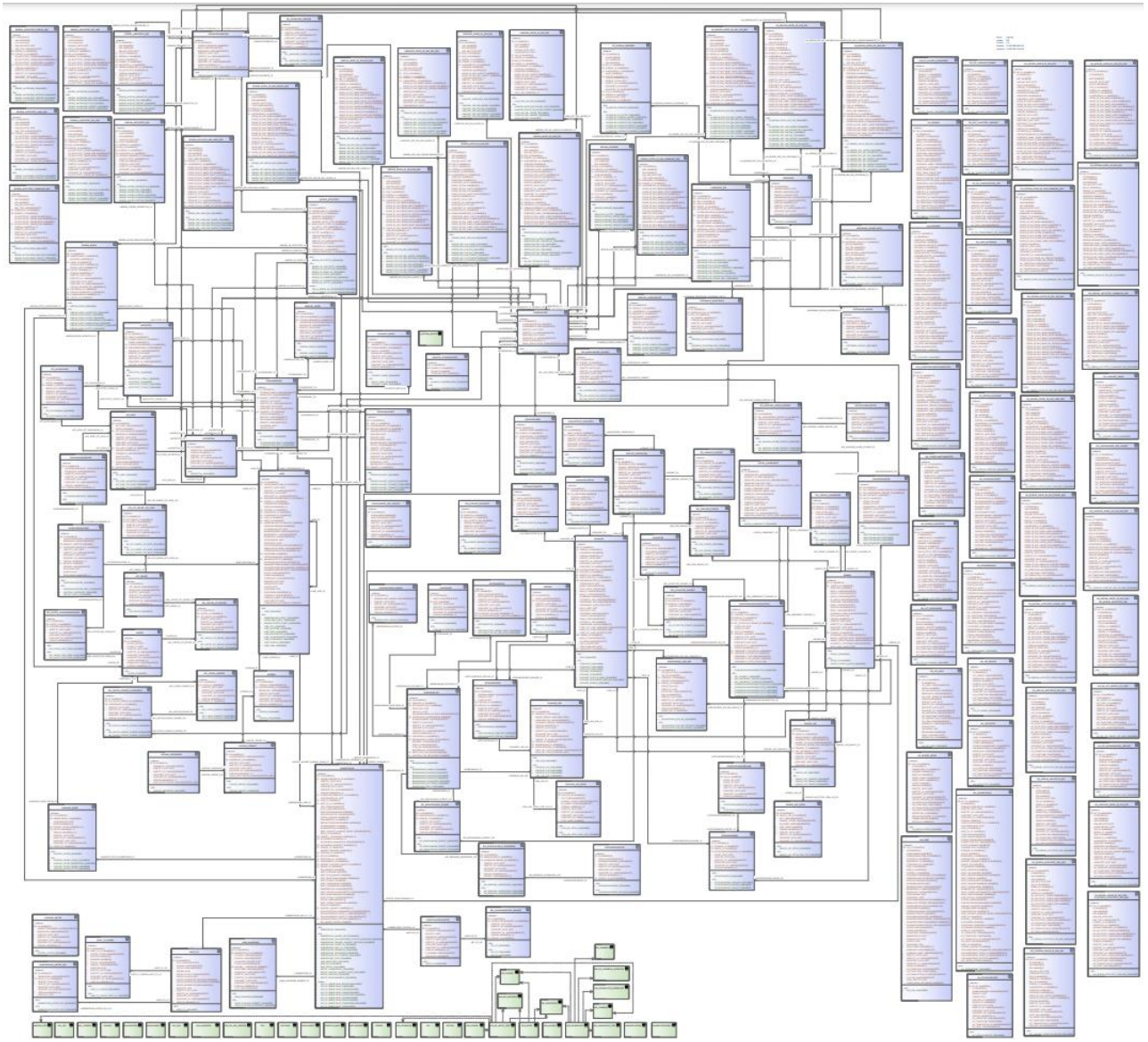
- Teaser: VetStat cattle
  - Antibiotic use in Danish veal production

VetStat data – the core

- Medicine for animals:
  - When?
  - (Where?)
    - Farm and herd
    - Pharamacy
  - (Who?)
    - Species and age
    - Veterinary practice and practitioner
  - Responsible for prescription
  - Product
    - Antibiotics
    - Vaccines
    - …
  - Amount
- Veterinary Advisory Service Contracts
- Veterinary practice affiliation
- Fødevarestyrelse: Antibiotic use reports
- Number of animals (from CHR)
- …

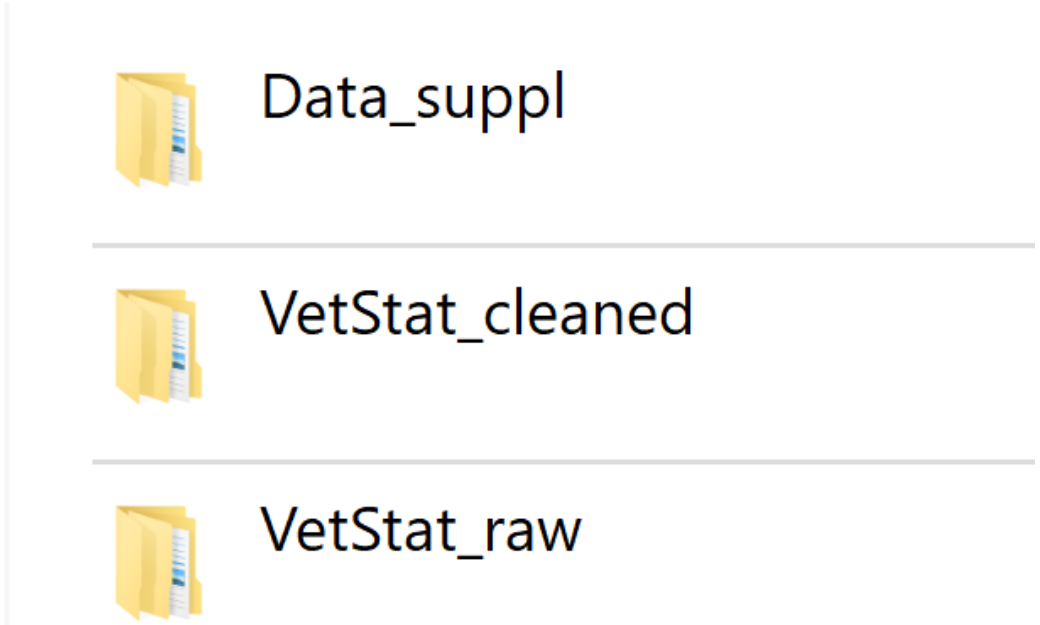
New VetStat and new access

VPN



VetStat database overview provided to cluster by Fødevarestyrelsen

Alice Puk Skarbye
Postdoc
Sektion, Animal Welfare and Disease Control
Grønnegårdsvej 8, 1870 Frederiksberg C



VetStat_indberetning_info

Filter

	variable_da	type_original	variable_eng	type_adj	explanation	inclusion_priority
2	ID	integer	ID_observation	factor	Unique VetStat ID for each recorded sale	1
3	ORDINATIONSGRUPPE_ID	integer	ID_disease_group_VS	factor	Unique VetStat ID key for the area of disorder	2
4	OPRETTET_DATO	POSIXct	entered_date	POSIXct	Date entered into VetStat	3
5	OPRETTET_AF	character	entered_by	factor	Entered into VetStat by	3
6	OPDATERET_DATO	POSIXct	corrected_date	POSIXct	Date the record is corrected in VetStat	3
7	OPDATERET_AF	logical	corrected_by	factor	Corrected in VetStat by	3
8	VERSION	integer				0
9	FODERTILSAETNINGSSTOF_ID	integer				0
10	UDLEVERINGSDATO	POSIXct	date	POSIXct	Date for use/dispensing (sale) of the product in the record	1
11	VARE_ID	integer	ID_product	factor	Unique VetStat ID assigned to each product	1
12	INPUT_FIL_ID	integer				0
13	TYPE	character	product_type	factor	Type of product e.g. medicine or feed additive	1
14	KILDE	character	data_source	factor	Data source ie. pharmacy, veterinarian or feed mill	1
15	EKSPEDITIONSNUMMER	integer				0
16	EKSPEDITIONSTYPE	character	ID_sale_type	factor	Type of sale e.g. sale for farm, veterinarian or small animal o...	2
17	APOTEK_NUMMER	integer	ID_pharmacy_VS	factor	Unique VetStat ID assigned to each pharmacy ...?	1
18	PAKNINGSANTAL	numeric	apo_amount_pack	numeric	Number of whole packages of product sold from pharmacy	1

VetStat 2.0: Data from veterinarians, pharmacies and feed mills

Basic description, processing, testing and merging

Jeanette Kristensen

2022-09-20

WORK IN PROGRESS
Inputs are welcome!

VetStat 2.0: Data on products

Basic description, processing, testing and merging

Jeanette Kristensen

2022-09-20

Goal

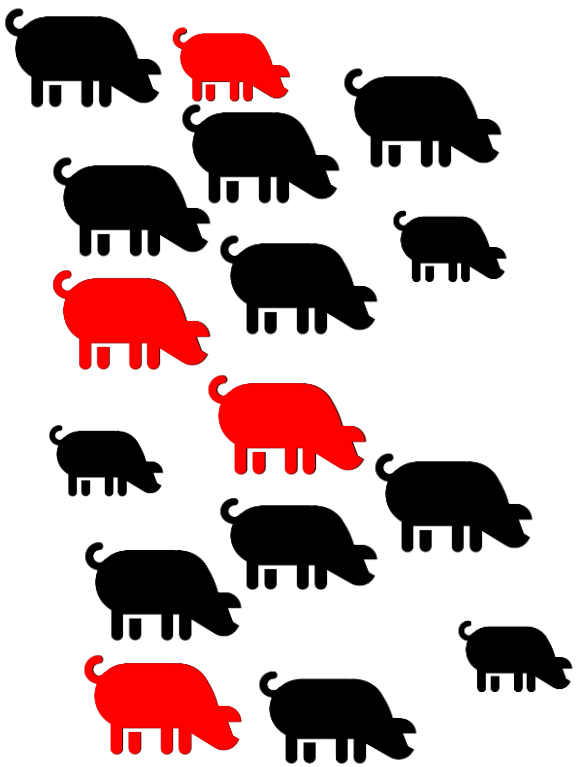
Data which is easy to extract, understand, and use

Benchmarking veterinarians

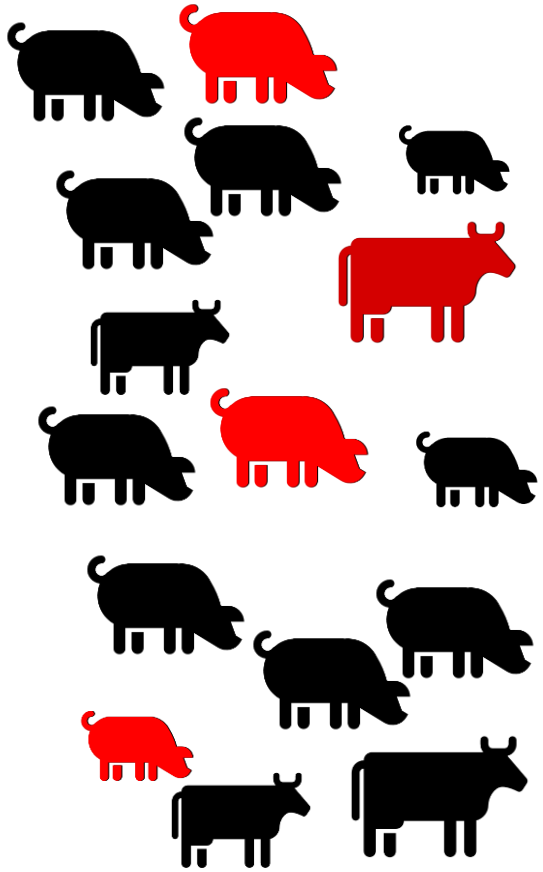
1

Compare VASC veterinarians

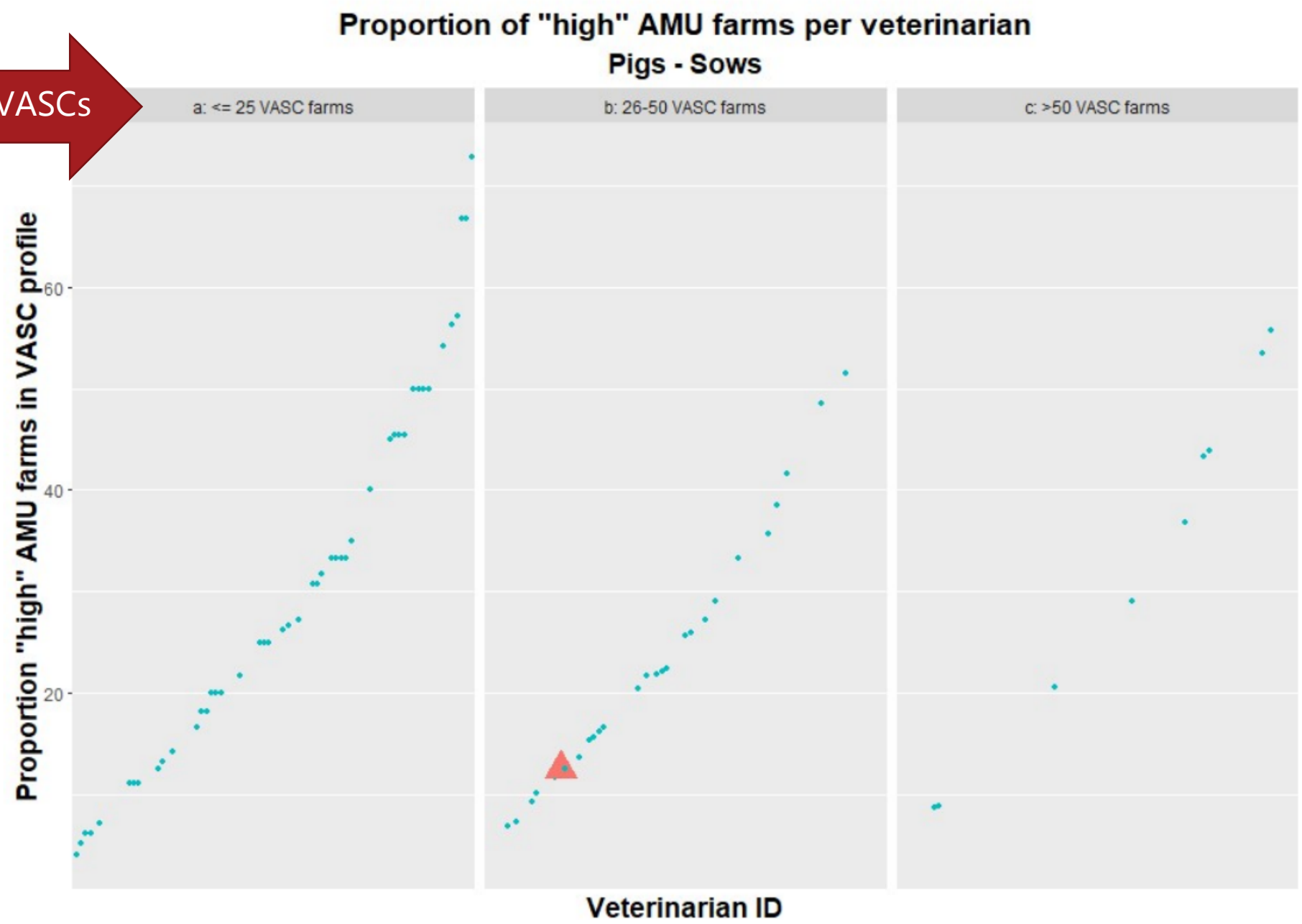
4/16 = 0,25



4/16 = 0,25



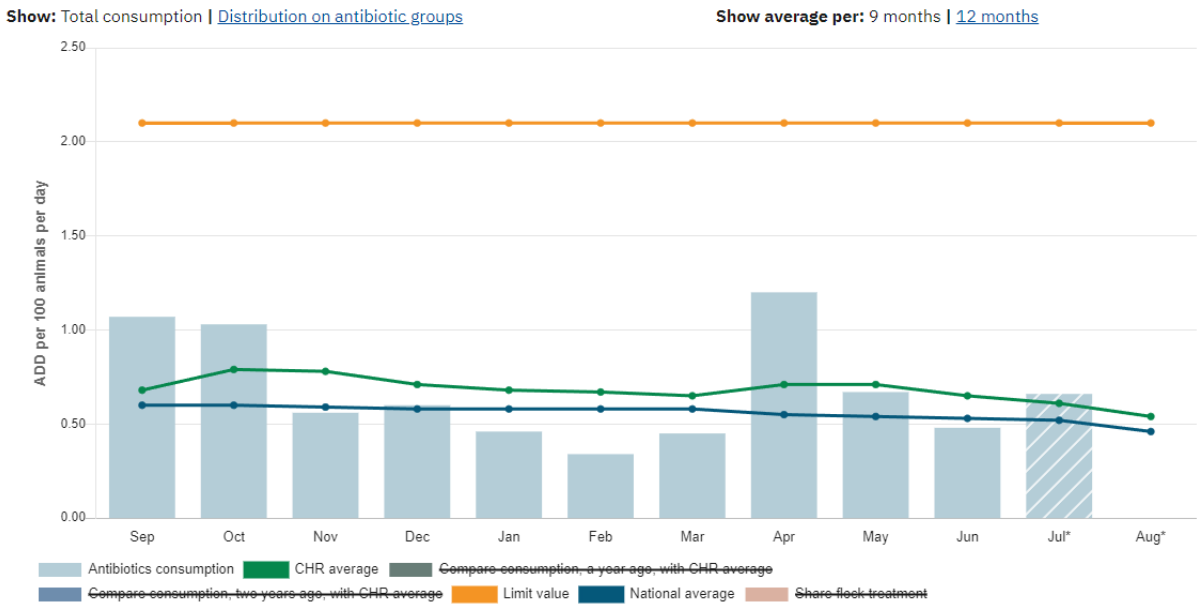
Number of VASCs



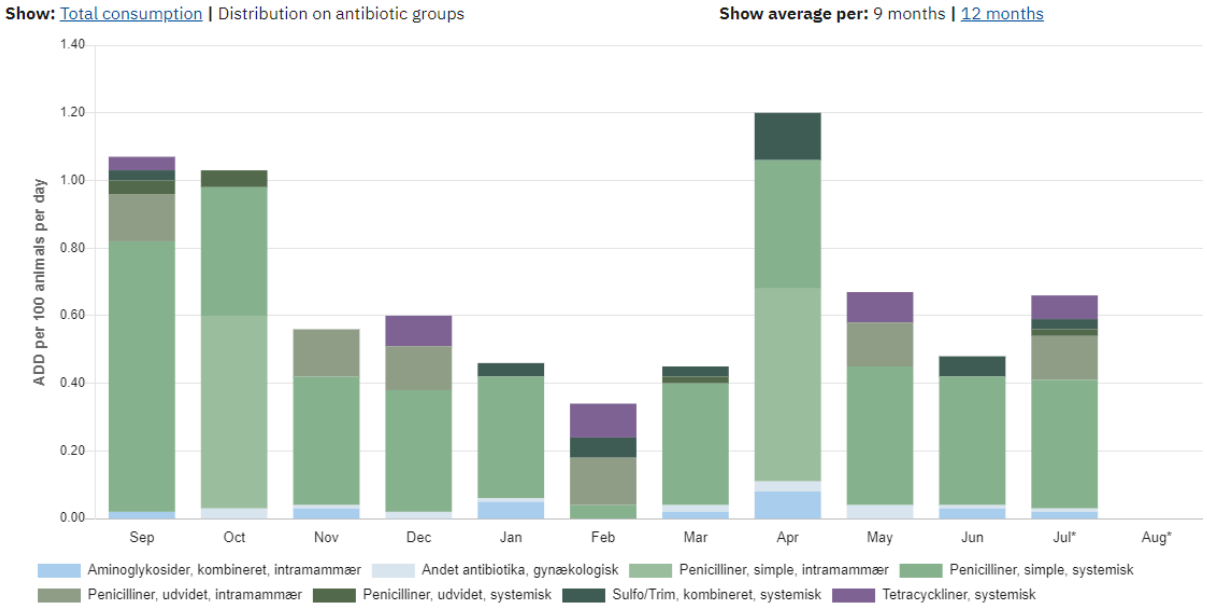
From work with the report "Deskriptiv analyse af dyrlægers ordinationer af antibiotika i svine- og kvægbesætninger"

2

The VetStat dashboard view of a farms' AMU

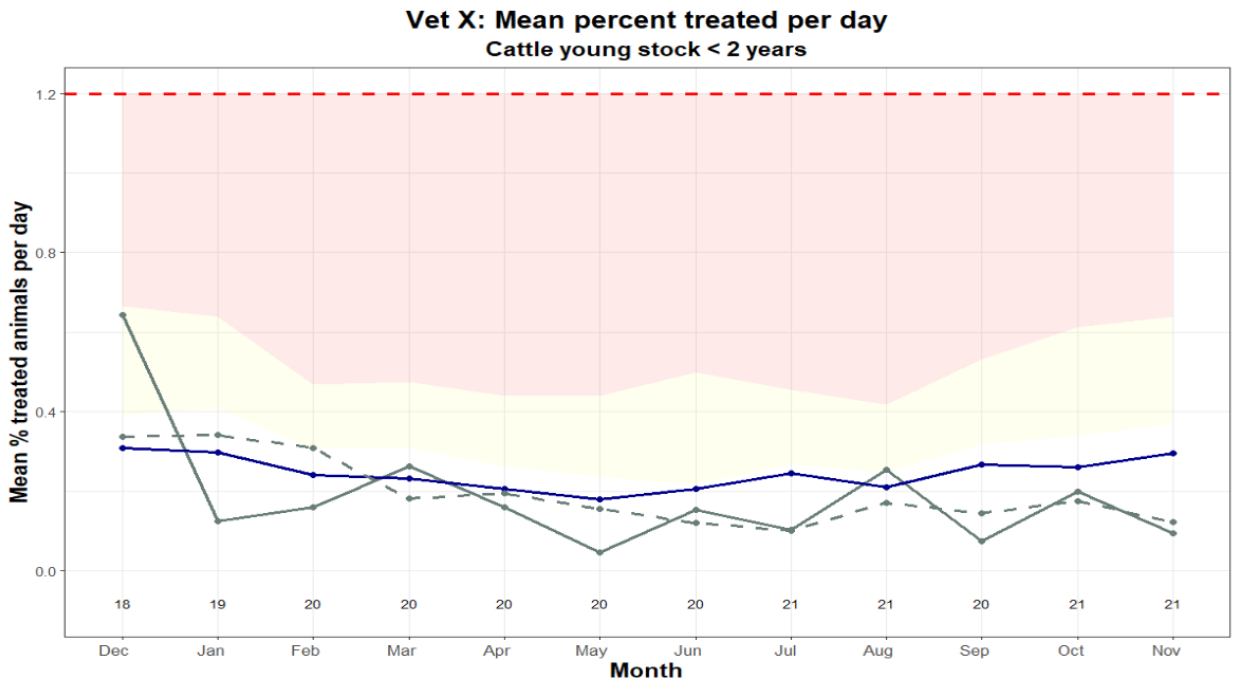


*Antibiotics consumption in these months has not been definitively calculated and may therefore change.

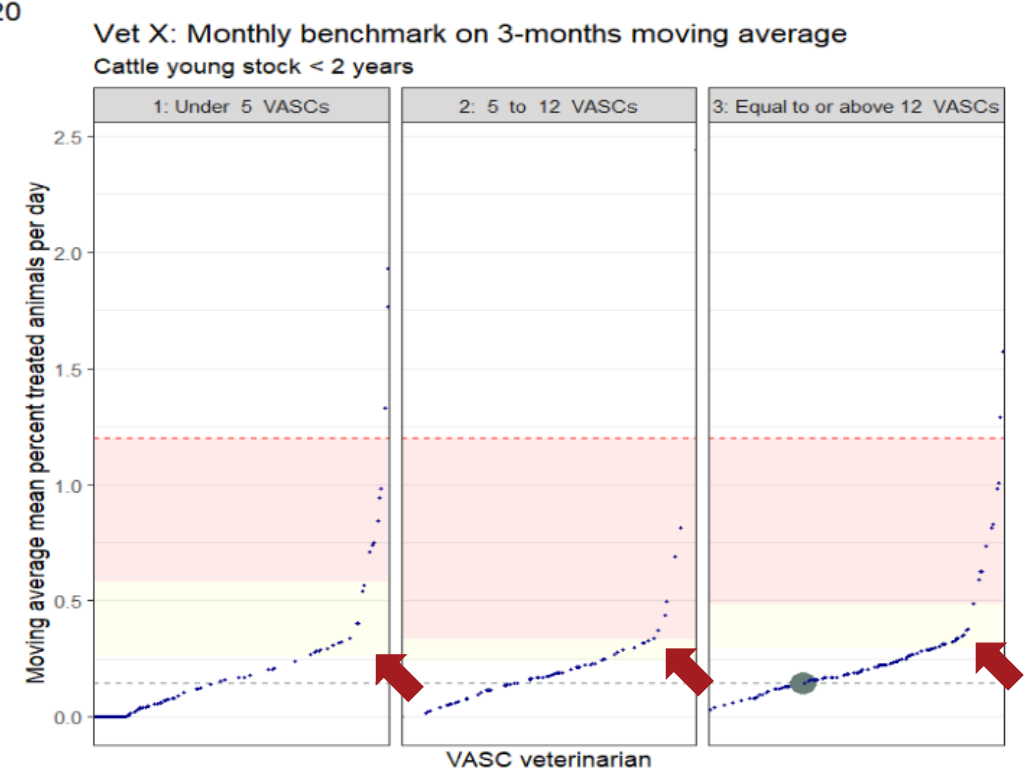


Dashboard views printed from online VetStat platform

Cattle VASC-veterinarian



Sep 2020



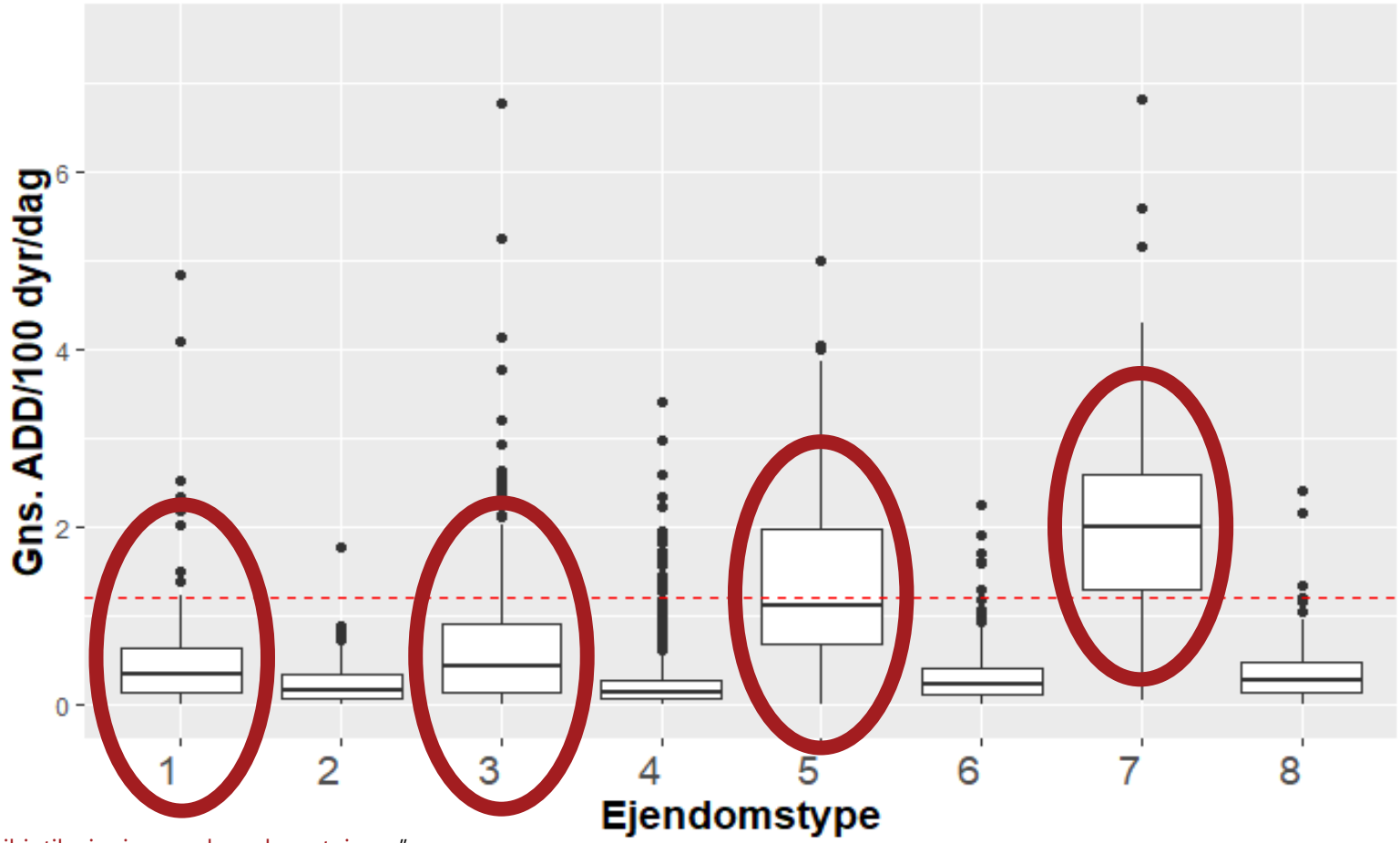
From work with the report "Benchmarking af dyrlægers ordination af antibiotika til svin og kvæg "

Teaser – VetStat cattle – AMU in veal production

Working with benchmarking of veterinarians

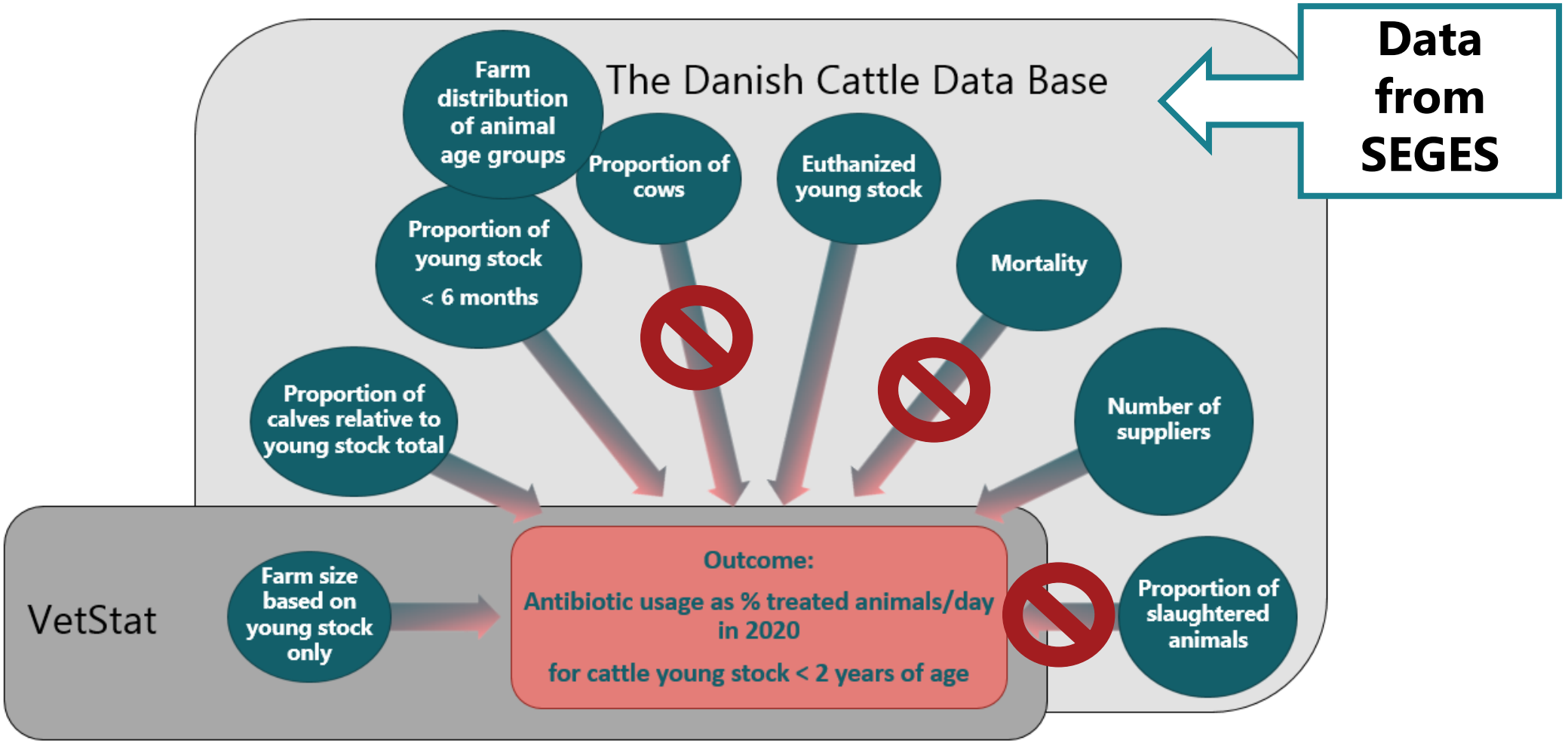
Average percent treated animal per day for cattle young stock from 01-07-2018 to 30-06-2020

1: <100 animals and young stock>75 %
2: 100 animals and young stock<75 %
3: 100-600 animals and young stock>75 %
4: 100-600 animals and young stock<75 %
5: 600-1000 animals and young stock>75 %
6: 600-1000 animals and young stock<75 %
7: >1000 animals and young stock>75 %
8: >1000 animals and young stock<75 %



From work with the report "Deskriptiv analyse af dyrlægers ordinationer af antibiotika i svine- og kvægbesætninger"

Mutivariable logistic analysis – Antibiotic use in relation to 1.2% treated young stock animals per day



To be continued...

(until summer 2024)