



Federation
of Veterinarians
of Europe

Benefits and challenges of antimicrobial data collection: view from a veterinary practitioner

Brussels, November 2021

Giovanbattista Guadagnini, EAPHM President, UEVP Vice-President





Federation of Veterinarians of Europe

The FVE Network

Members Observers



47 national associations

39 European countries

4 Sections

- UEVP (*Practitioners*)
- UEVH (*Hygienists – Public Health Officers*)
- EASVO (*Veterinary State Officers*)
- EVERI (*Education, Research, Industry*)

FVE's mission

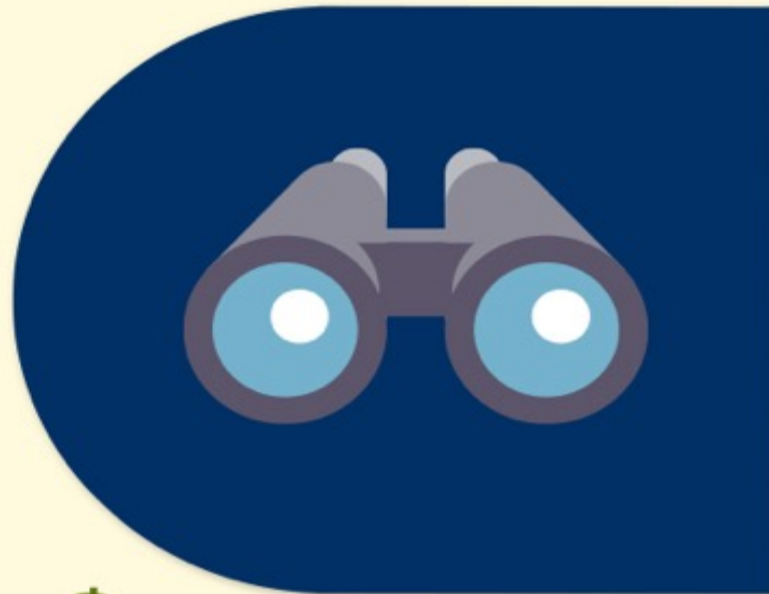
The European veterinary profession, embodied by FVE, **enhances animal health, animal welfare, public health and protect the environment** by promoting the veterinary profession.

Together with its members, FVE supports veterinarians in delivering their professional responsibilities to the best possible standards and ensures that veterinary expertise is recognised and valued by society.



Veterinarians know, care and contribute

European law on veterinary medicines: what's new?



On-farm **monitoring** systems of antibiotic use and national surveillance of antibiotic use become mandatory.

Advertising veterinary prescription medicines in the lay press will be forbidden, although Member States can allow vaccine adverts for farmers.

Reg. 2019/6 Art. 57,120

Monitoring will be mandatory:

- by 2024 for pigs, poultry and veal calves
- by 2027 for all food-producing animals
- by 2030 for all animals, including pets



Antimicrobial sale data has limits

Sales data not provide any information
about its actual use

- To which species
- Which indication
- How
- When
- Where
- By whom





Benefits of antimicrobial use (AMU) data collection

- Differentiation of antibiotic use by species treated
 - Identification of a temporal association between AMU and antimicrobial resistance (AMR)
 - Identification of good and best practices
- Evaluation of specific policies that target the goal of reducing AMR



Challenges of AMU data collection

- Lack of consensual and harmonized technical methods and units that represent AMU
 - Insufficient incentives to motivate primary producers to report their use of antibiotics
 - Inexistence of user-friendly technologies for the collection of such data
- AMU data systems require an important investment on country level

Towards a harmonised AMU data collection

- Without overburdening competent authorities, farmers or veterinarians
- Without additional bureaucracy and cost for the veterinarians

→ Responsibilities need to be clearly defined and honest mistakes not be penalised.



Experience in Italy

REV → from 2019

Every prescription is in a public system created from Italian Ministry of Health

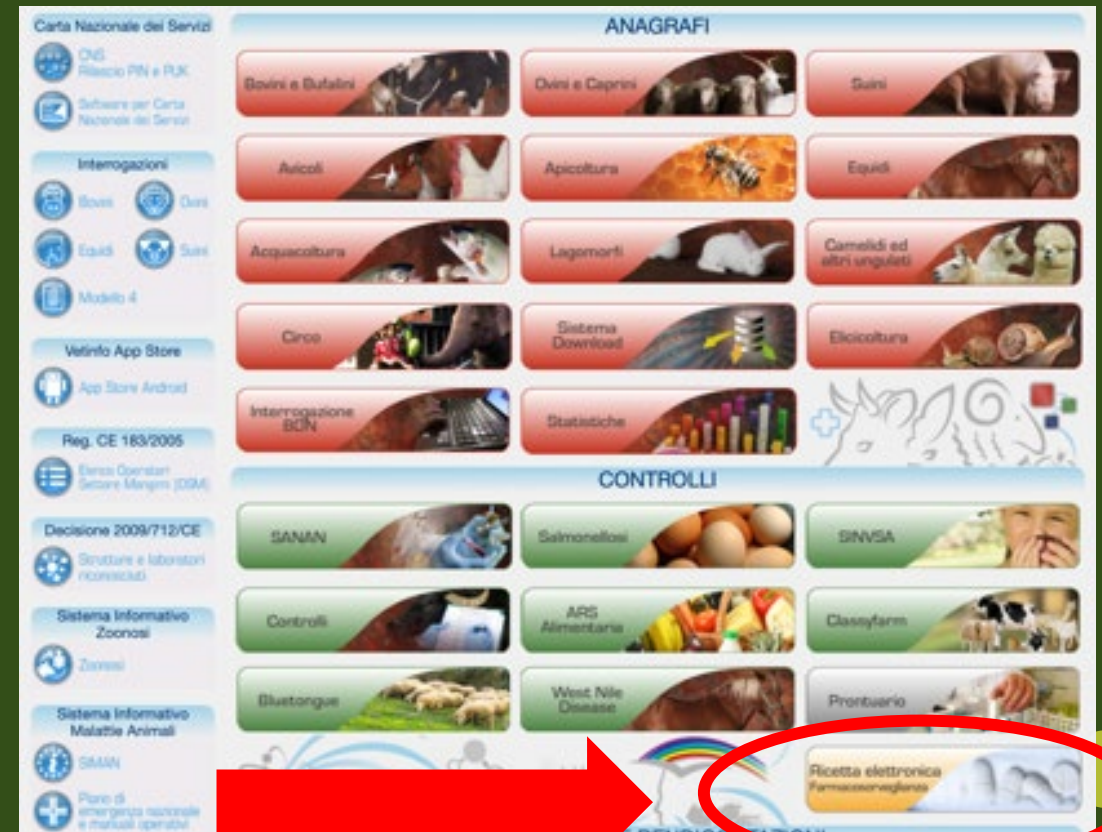
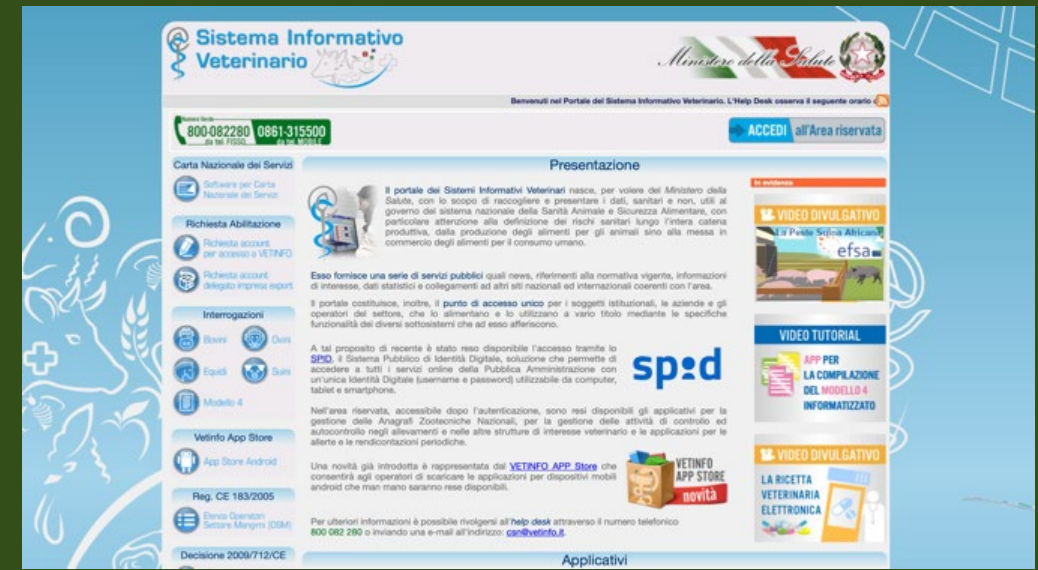
From 28th Jan 2022

Every Treatment will be electronic – mandatory!!

The system is already active

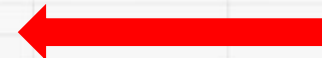
We will reach the target related to track the drug use in farm and companion animals.

→ All the data will be available, and all the data could and should be analyzed



Experience in Italy

Elenco trattamenti										
Numero Trattamenti	Data Inizio	Data Fine T	AIC Fam.	Fam. Prodotto prescritto	AIC Fam.	Fam. Prodotto fornito	Mangime	Composizione	Gale	
1636695409375	11-11-2021	11-11-2021	101818	FLUEN-SUIWAX						
1636695387788	11-11-2021	11-11-2021	102412	AD LIVE-SUIWAX						
1636695342850	11-11-2021	15-11-2021	101963	SUPRAMOX S.P.						
1636489410645	09-11-2021	09-11-2021	104943	PORCILIS ERY + PARVO + LEPT						
1636489329191	09-11-2021	09-11-2021	102012	FERROSIL FORTE						
1636489240316	09-11-2021	09-11-2021	104745	HYOGEN						
1636385744598	08-11-2021	08-11-2021	103659	ENZAPROST 5 MG/ML						
1636385528217	08-11-2021	08-11-2021	100197	IWOMEC						
1636385453033	08-11-2021	08-11-2021	102412	AD LIVE-SUIWAX						
1636385378270	08-11-2021	08-11-2021	101818	FLUEN-SUIWAX						
1636218112475	05-11-2021	05-11-2021	101818	FLUEN-SUIWAX						
1636218085997	05-11-2021	05-11-2021	102412	AD LIVE-SUIWAX						
1636145502011	04-11-2021	04-11-2021	102012	FERROSIL FORTE						
1636145447295	04-11-2021	04-11-2021	104017	INGELWAC CIRCOFLEX						
1636145404236	04-11-2021	04-11-2021	104745	HYOGEN						
1635868620462	02-11-2021	02-11-2021	104017	INGELWAC CIRCOFLEX						
1635868403755	02-11-2021	02-11-2021	101818	FLUEN-SUIWAX						
1635868369606	02-11-2021	02-11-2021	101818	FLUEN-SUIWAX						
1635868126883	02-11-2021	02-11-2021	102412	AD LIVE-SUIWAX						
1635868056883	02-11-2021	02-11-2021	102412	AD LIVE-SUIWAX						
1635868030812	02-11-2021	02-11-2021	102012	FERROSIL FORTE						
1635867977781	02-11-2021	02-11-2021	101116	MONZAL						
1635610371670	30-10-2021	31-10-2021	104220	LONGOCILLINA LA						
1635610347998	30-10-2021	30-10-2021	102012	FERROSIL FORTE						
1635610323143	30-10-2021	30-10-2021	104017	INGELWAC CIRCOFLEX						
1635610281863	29-10-2021	29-10-2021	103659	ENZAPROST 5 MG/ML						
1635610249398	29-10-2021	29-10-2021	104745	HYOGEN						
1635610218258	29-10-2021	30-10-2021	104220	LONGOCILLINA LA						
1635438647375	28-10-2021	28-10-2021	102012	FERROSIL FORTE						
1635438586826	28-10-2021	28-10-2021	101818	FLUEN-SUIWAX						
1635438476595	28-10-2021	28-10-2021	102412	AD LIVE-SUIWAX						
1635269766982	26-10-2021	26-10-2021	101818	FLUEN-SUIWAX						
1635269747446	26-10-2021	26-10-2021	102412	AD LIVE-SUIWAX						



Experience in Italy

Farmaci / Mangimi utilizzati nel trattamento									
AIC Famiglia	AIC	Denominazione Farmaco	Confezione	Quantitativ	Unità di mi:	Scadenza	N° Lotto	Data autori:	Codice evei
104220	104220076	LONGOCILLINA LA	1 FLACONE IN PLASTICA DA 250	250	ml				TRATTAMENT
Visualizzati 1 - 1 di 1									

Tutti i farmaci / mangimi della Prescrizione Veterinaria / Indicazione Terapeutica							
Aic	Denominazione Farmac	Confezione	Descrizione	Quantitativo	Unità di mi:	Motivazione	Tipo medicinale
104220076	LONGOCILLINA LA	1 FLACONE IN PLASTICA DA 250 ML		250	ml		Farmaco
Visualizzati 1 - 1 di 1							

Elenco dei capi da Prescrizione Veterinaria / Indicazione Terapeutica								
Specie	Sottocategoria	N° Animali	Sesso	ID Animale	Codice Box/Gruppo Animali	Deroga	Diagnosi	Via di somministra:
SUINI	SUINI	80	M/F		SUINETTI SVEZZAMENTO CAPANNINE	N	Patologie setticemic	USO INTRAMUSCOLA
Visualizzati 1 - 1 di 1								

Tempi di Sospensione per l'animale / gruppo selezionato		
Codice Alimento	Descrizione Unità	Tempo
Nessun record da visualizzare		
Visualizzati 1 - 1 di 0		

Elenco animali trattati						
Specie	N° Animali	Sesso	ID Animale	Codice Box/Gruppo Animali	Data Nascita	tratcapo.classifyfarmDescrizione
SUINI	80	M/F		SUINETTI SVEZZAMENTO CAPANNINE		



Carta Nazionale dei Servizi

- CNS Rilascio PIN e PUK
- Software per Carta Nazionale dei Servizi
- Interrogazioni**
 - Bovini
 - Ovini
 - Equidi
 - Suini
 - Modello 4
- Vetinfo App Store**
 - App Store Android
- Reg. CE 183/2005**
 - Elenco Operatori Settore Mangimi (OSM)
- Decisione 2009/712/CE**
 - Strutture e laboratori riconosciuti
- Sistema Informativo Zoonosi**
 - Zoonosi
- Sistema Informativo Malattie Animali**
 - SIMAN
 - Piano di emergenza nazionale e manuali operativi

ANAGRAFI

- Bovini e Bufalini
- Ovini e Caprini
- Suini
- Avicoli
- Apicoltura
- Equidi
- Acquacoltura
- Lagomorfi
- Camelidi ed altri ungulati
- Circo
- Sistema Download
- Elicicoltura
- Interrogazione BDN
- Statistiche

CONTROLLI

- SANAN
- Salmonellosi
- SINVSA
- Controlli
- ARS Alimentaria
- Classyfarm**
- Bluetongue
- West Nile Disease
- Prontuario
- Ricetta elettronica Farmacosorveglianza

ANALYSIS OF ANTIBIOTIC USE INTO THE FARM

1° step

DDD → BIOMASS

All the antibiotic amount used into the farm
related to all the population present into the
farm

2° step

DDD → differentiate in CATEGORIES

- Piglets
- Weaners
- Fattening Pigs
- Sows, Gilts and Boars

Classyfarm



Farmaco Biomassa singolo allevamento

CRUSCOTTO BIOMASSA - SINGOLO ALLEVAMENTO

CLASSIFYFARM 

g.guadagnini_V...

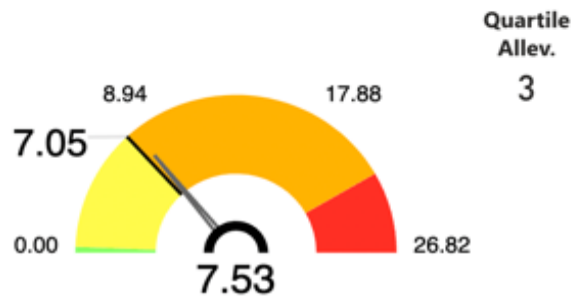
Specie: SUINO (0122) **GUIDA** Scarico Report

Anno mostrato: 2020

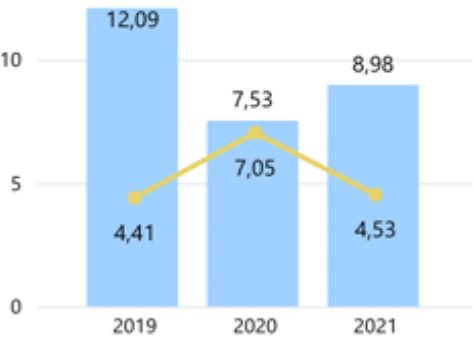
Criticità: TUTTE Cons. 0: Tutte Scarto: Tutte Anno: 2020

Allevamento: 013BS017-01150720173-0122

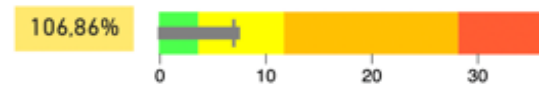
Confronto DDDA vs Mediana Nazionale



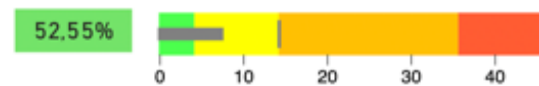
Storico DDDA



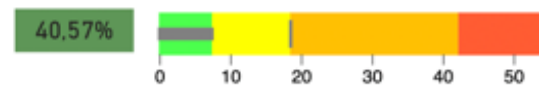
DDDA - Confronto con Mediana di competenza



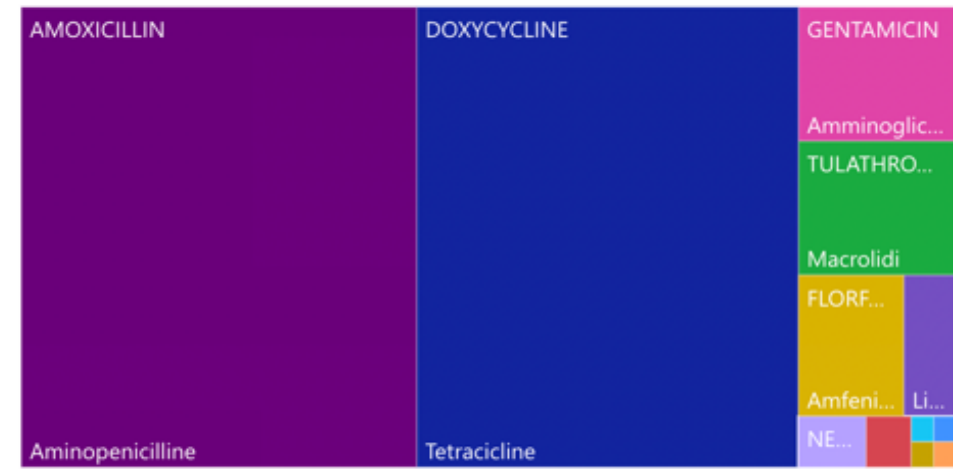
DDDA - Confronto con Mediana Regione



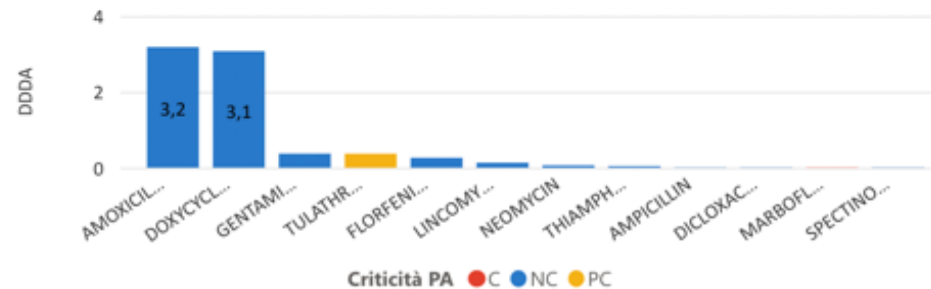
DDDA - Confronto con Mediana ASL



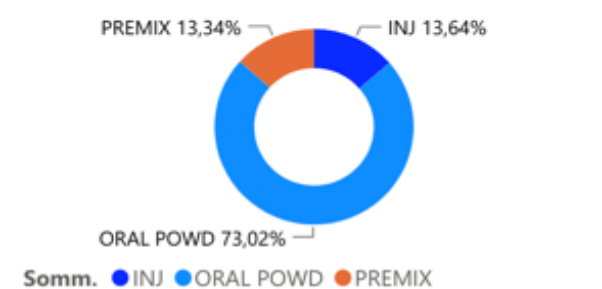
Classi Farmaco e Principi Attivi




Dettaglio Consumi Principio Attivo



Tipo Somministrazioni



Farmaco Biomassa singolo allevamento



g.guadagnini_V...

CRUSCOTTO BIOMASSA - SINGOLO ALLEVAMENTO

Specie: SUINO (0122)

Anno mostrato: 2020

Criticità: TUTTE

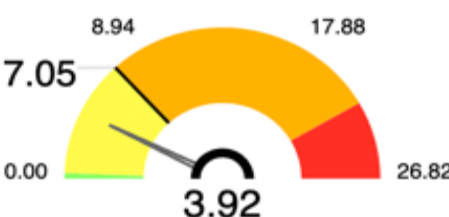
Cons. 0: Tutte

Scarto: Tutte

Anno: 2020

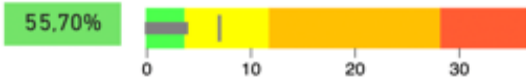
Allevamento: 077CR034-VSNPLA73T22D150N-0122

Confronto DDDA vs Mediana Nazionale

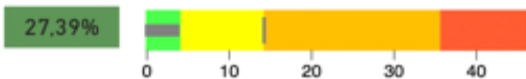


Quartile Allev. 2

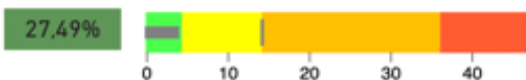
DDDA - Confronto con Mediana di competenza




DDDA - Confronto con Mediana Regione



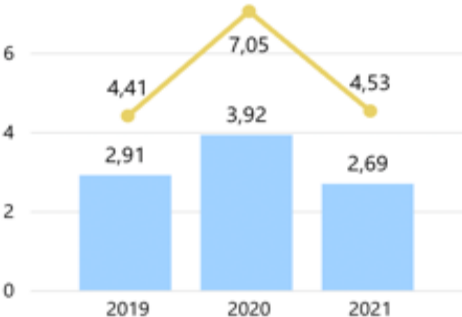
DDDA - Confronto con Mediana ASL



Classi Farmaco e Principi Attivi

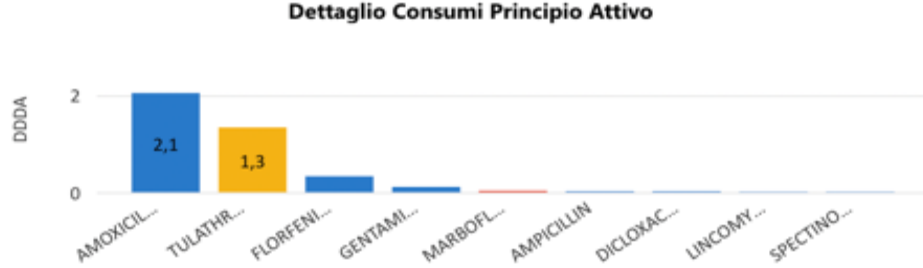


Storico DDDA




● DDDA Allev. ● Mediana Nazionale

Dettaglio Consumi Principio Attivo



Criticità PA: ● C ● NC ● PC

Tipo Somministrazioni



Somm. ● INJ

◀ ▶ Biomassa - Singolo Allevamento

Farmaco Biomassa singolo allevamento



CRUSCOTTO BIOMASSA - SINGOLO ALLEVAMENTO

g.guadagnini_V...

Specie

SUINO (0122)

GUIDA

Scarico Report

Criticità

TUTTE

Cons. 0

Tutte

Scarto

Tutte

Anno

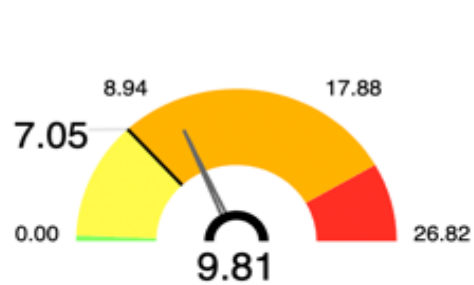
2020

Anno mostrato
2020

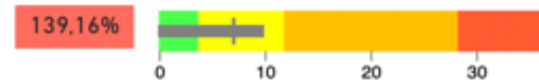
Allevamento

020BS044-02938690175-0122

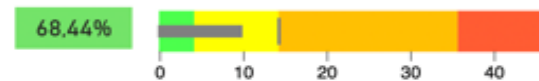
Confronto DDDA vs Mediana Nazionale



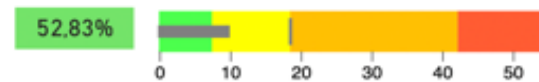
DDDA - Confronto con Mediana di competenza



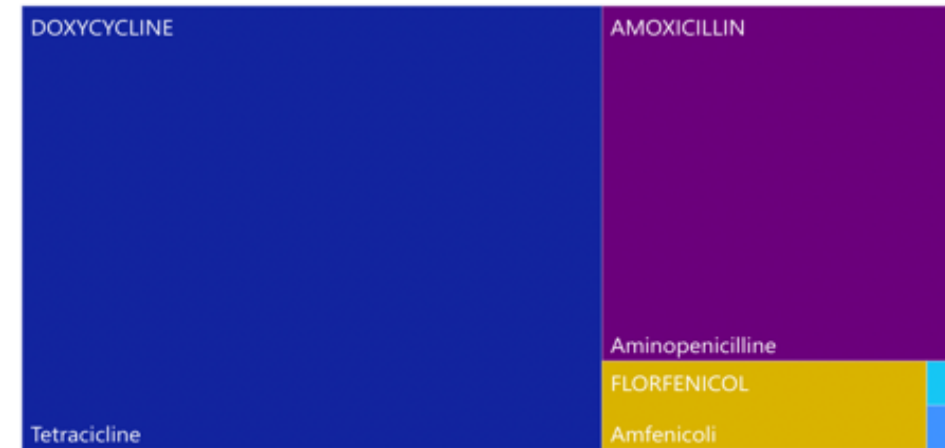
DDDA - Confronto con Mediana Regione



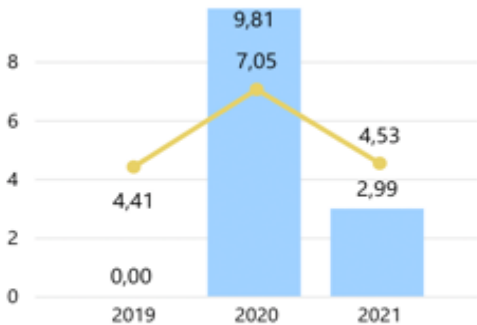
DDDA - Confronto con Mediana ASL



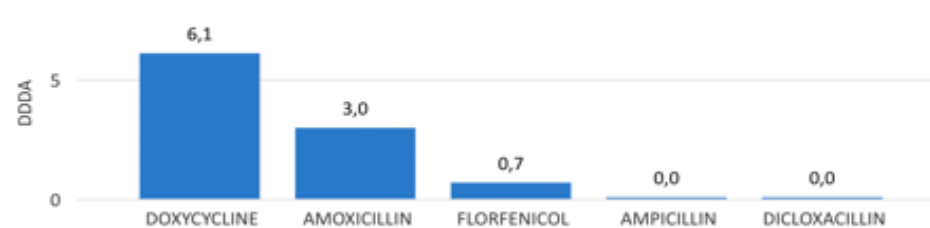
Classi Farmaco e Principi Attivi



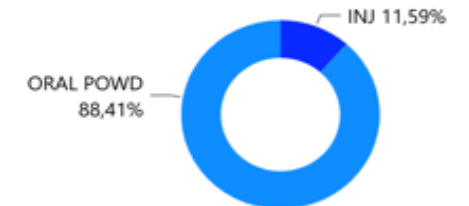
Storico DDDA



Dettaglio Consumi Principio Attivo



Tipo Somministrazioni



Somm. ● INJ ● ORAL POWD

● DDDA Allev. ● Mediana Nazionale

Criticità PA ● NC

Farmaco Biomassa singolo allevamento

CRUSCOTTO BIOMASSA - SINGOLO ALLEVAMENTO

CLASSIFYFARM

g.guadagnini_V...

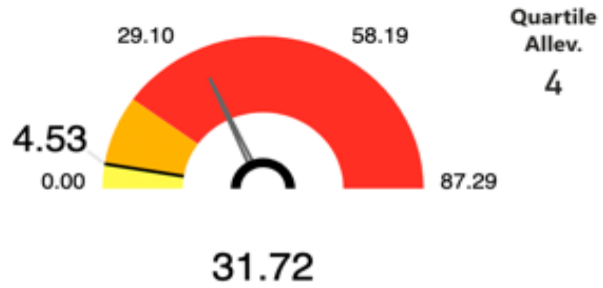
Specie: SUINO (0122) | GUIDA | Scarico Report

Anno mostrato: 2021

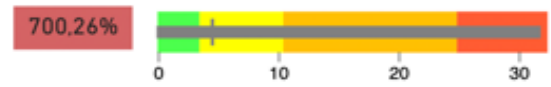
Criticità: TUTTE | Cons. 0: Tutte | Scarto: Tutte | Anno: 2021

Allevamento: 125BS002-TNNMRA60P12G149S-0122

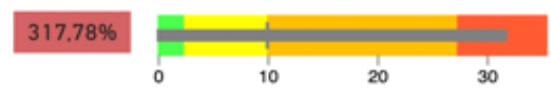
Confronto DDDA vs Mediana Nazionale



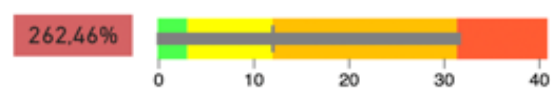
DDDA - Confronto con Mediana di competenza



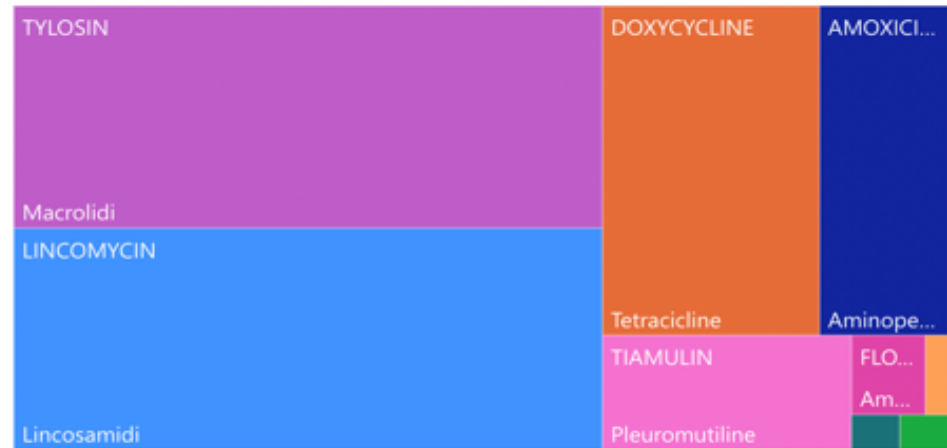
DDDA - Confronto con Mediana Regione



DDDA - Confronto con Mediana ASL



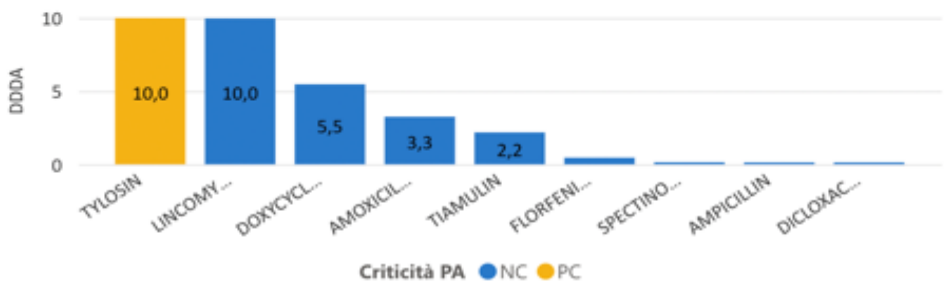
Classi Farmaco e Principi Attivi



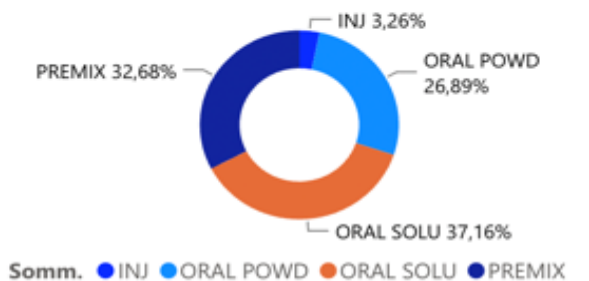
Storico DDDA



Dettaglio Consumi Principio Attivo



Tipo Somministrazioni



Farmaco Categoria singolo allevamento

Farmaco Categoria - SINGOLO ALLEVAMENTO

g.guadagnini_V...

Confronto DDDA vs Mediana Nazionale

Classe Farmacologica - Principio Attivo: (Tutti) - (Tutti)

Storico DDDA per Cat. Animale e Pr. Attivo

Specie: Tutte | Regione, Prov.: Tutte | Allevamento: 073CR001-DNSNLN50L04G170Y-0122

Anno e categoria: **2016-SVEZZATI**

DDDA - Confronto con Mediana di competenza

280 %

DDDA - Confronto con Mediana Regione

287 %

DDDA - Confronto con Mediana Provincia

345 %

Dettaglio Consumi per Tipologia di Somministrazione

Classi Farmaco e Principi Attivi

Tipo Somministrazioni

Farmaco Categoria singolo allevamento

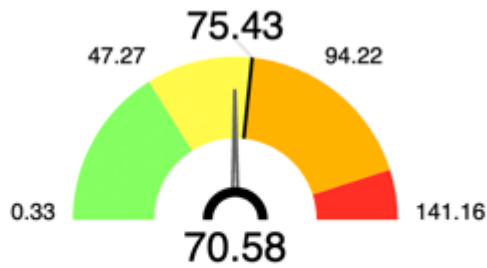
CLASSIFYFARM
g.guadagnini_V...
Farmaco Categoria - SINGOLO ALLEVAMENTO
Guida Cr.
Guida
Scarico Report
Specie: Tutte
Regione, Prov.: Tutte
Allevamento: 073CR001-DNSNLS0L04G170Y-0122

Anno e categoria
2019-SVEZZATI

Reset filtri
Dati REV

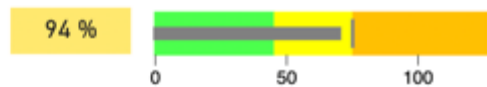
Categoria	2015	2016	2017	2018
SCROFE	█	█	█	█
SUINETTI	█	█	█	█
SVEZZATI	█	█	█	█

Confronto DDDA vs Mediana Nazionale

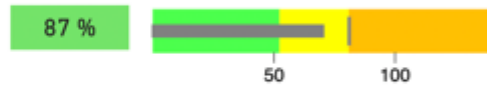


Quartile Allev. 2

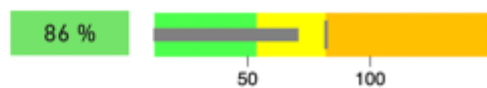
DDDA - Confronto con Mediana di competenza



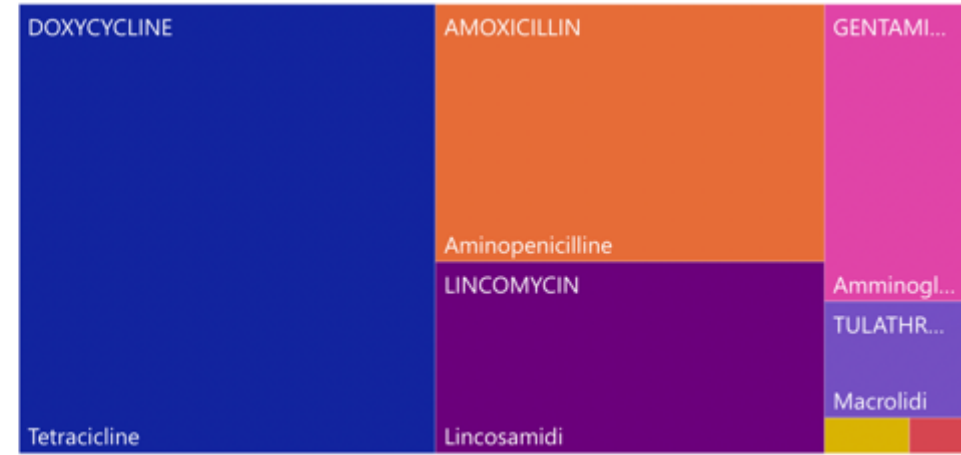
DDDA - Confronto con Mediana Regione



DDDA - Confronto con Mediana Provincia

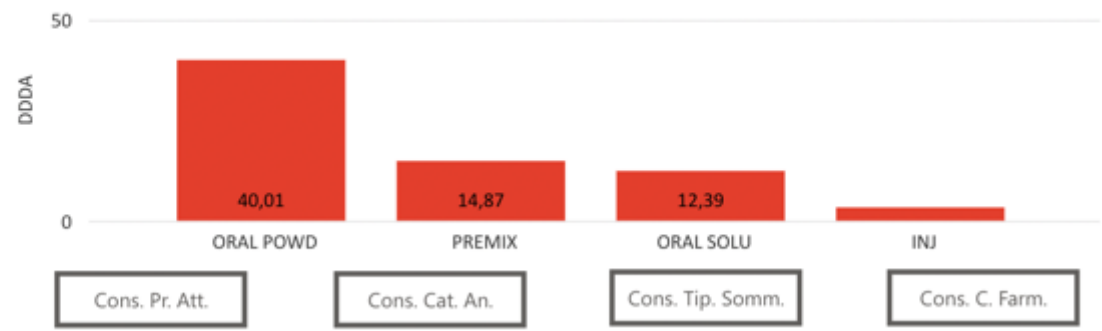


Classi Farmaco e Principi Attivi

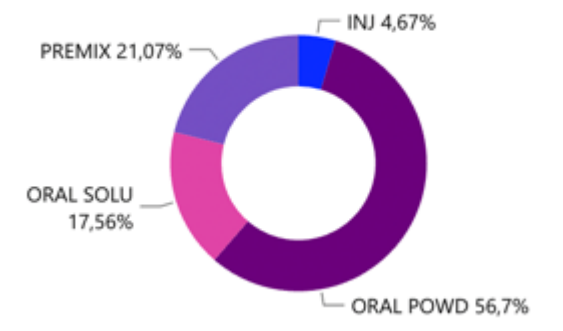


Classe Farmacologica - Principio Attivo
(Tutti) - (Tutti)

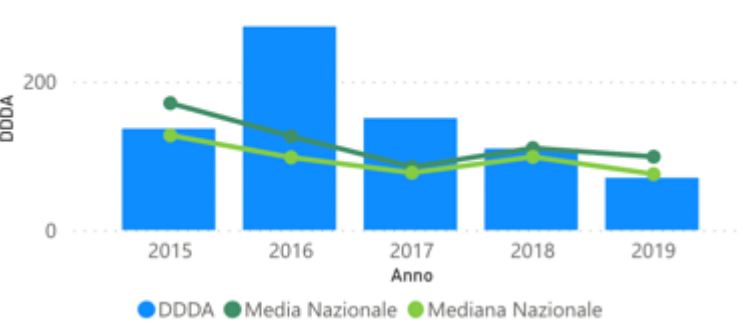
Dettaglio Consumi per Tipologia di Somministrazione



Tipo Somministrazioni



Storico DDDA per Cat. Animale e Pr. Attivo



Farmaco Biomassa aggregato



CRUSCOTTO FARMACO BIOMASSA - AGGREGATO

Username: **g.guadagnini_VET**

Specie
SUINO

Media **Media Pesata** Mediana

Anno: 2019 Regione: Tutte ASL: Tutte Ind. Prod.: Tutte Criticità: TUTTE

Heatmap Mediane Regionali VS Mediana Nazionale



ASL selezionate VS Mediana Naz.



Tot. allev. 19 Allev. selezionati 19
Tot. allev. oltre 40 capi 16 Allev. selezionati oltre 40 capi 16

Posizione Selezione VS Quartili Nazionali

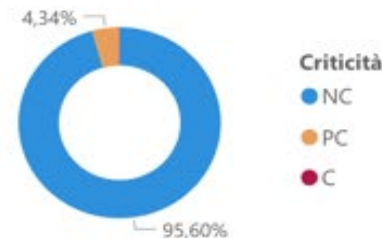


1° quartile 0,00 2° quartile 4,41 3° quartile 18,29 4° quartile

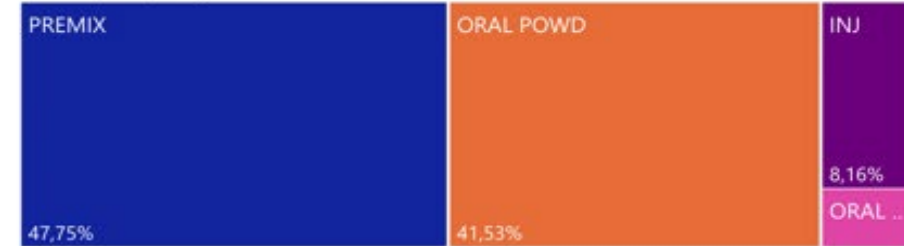
Storico Selezione VS Nazionale



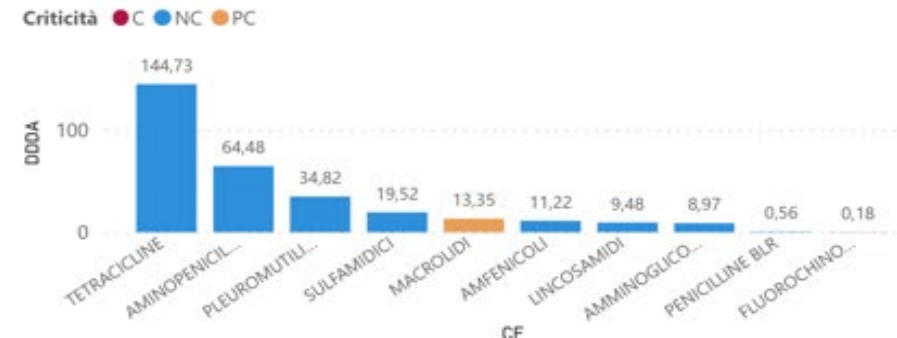
% Criticità DDDA per Anno



DDDA per Tipologia di Somministrazione



Totale DDDA per Classe Farmacologica nell'anno e nelle ASL selezionate



Nota: nessun allevamento valido nelle regioni in grigio per anno e categoria animale selezionati.

Farmaco Biomassa aggregato



CRUSCOTTO FARMACO BIOMASSA - AGGREGATO

Username: **g.guadagnini_VET**

Specie
SUINO

Media **Media Pesata** Mediana Reset filtri Guida

Anno: 2021 Regione: Tutte ASL: Tutte Ind. Prod.: Tutte Criticità: TUTTE

Heatmap Nazionale Mappa Dettaglio Tabella (allev. selezionati)

Heatmap Mediane Regionali VS Mediana Nazionale

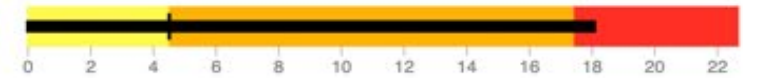


ASL selezionate VS Mediana Naz.



Tot. allev. 23 Allev. selezionati 23
Tot. allev. oltre 40 capi 22 Allev. selezionati oltre 40 capi 22

Posizione Selezione VS Quartili Nazionali

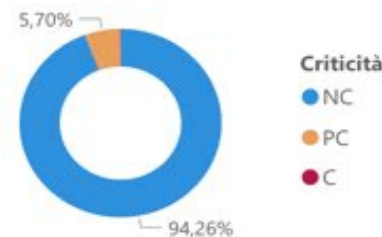


1° quartile 0,00 2° quartile 4,53 3° quartile 17,46 4° quartile

Storico Selezione VS Nazionale



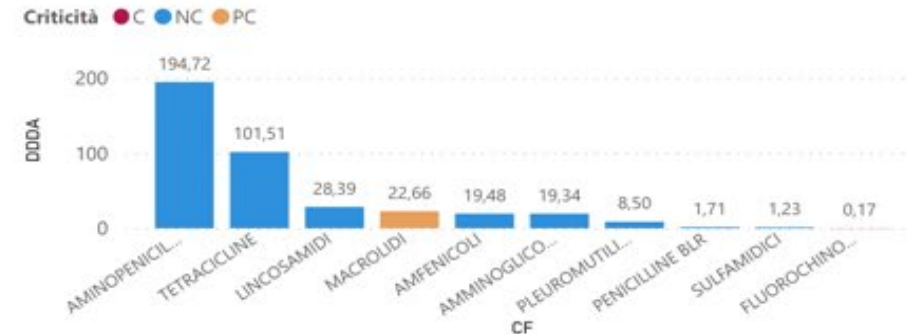
% Criticità DDDA per Anno



DDDA per Tipologia di Somministrazione



Totale DDDA per Classe Farmacologica nell'anno e nelle ASL selezionate



Nota: nessun allevamento valido nelle regioni in grigio per anno e categoria animale selezionati.

Conclusions

- Data are very important to understand the real farm situation
- It's important for vet
- It's important for farmers
- It's important for consumers
- AMR need to be fight with science and not with feelings!!!



Communication

Latest news & events



Thu, 16 Sep 2021

FVE congratulates the European Parliament for taking a One Health approach and voting for science-based regulation in Europe

Brussels, 16 September 2021: the European Parliament iterated their trust in the scientific assessment of the EU's...

[READ MORE](#)



Wed, 08 Sep 2021

German National Research Platform for Zoonoses calls for a One Health approach in fighting AMR!

The German National Research Platform for Zoonoses, in its public statement of 27 August 2021, points out that available...

[READ MORE](#)



Tue, 07 Sep 2021

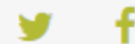
Almost 8000 people and associations call on MEPs to support scientific advice in Delegated Act

Dear Member of the European Parliament, For your urgent attention we link a letter outlining several reasons why we...

[READ MORE](#)



FOLLOW US



Thank you for your attention

CONTACT US

Tel.: +32 2 533 70 20

E-mail: info@fve.org

Website: <https://fve.org/>

WHERE WE ARE

Federation of Veterinarians of Europe (FVE)

Avenue de Tervueren 12 B-1040 Brussels

