

Ministry of Environment and Food of Denmark Danish Veterinary and Food Administration

Enhancing Awareness of Antimicrobial Use in Danish Pig Farmers through the Yellow Card Initiative

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Danish Pig Production



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31.000.000 pigs per year, 5300 herds, 100 pig veterinarians

Large specialized productions

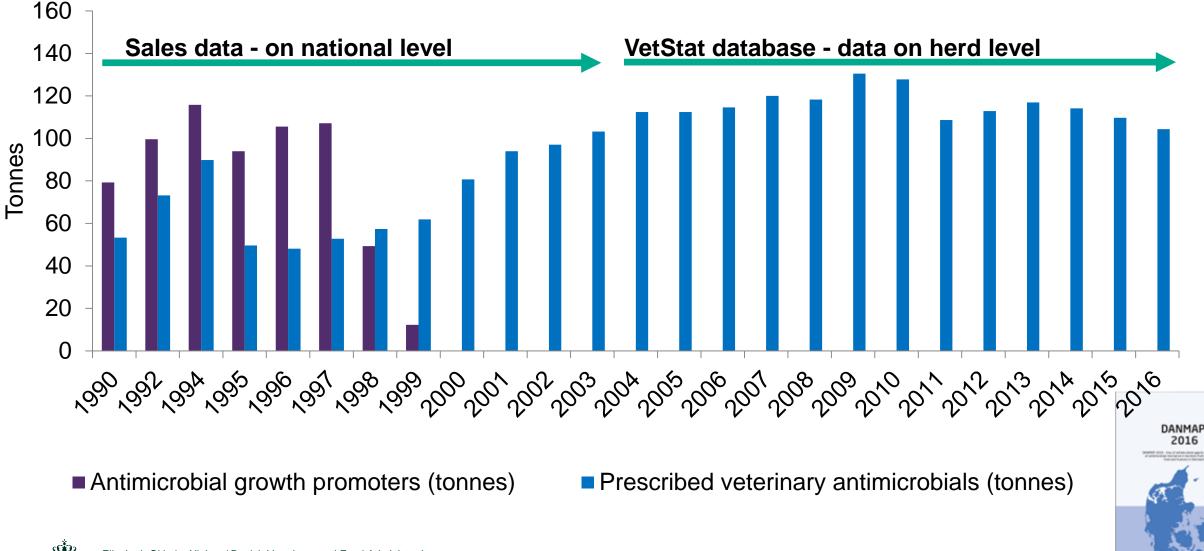
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Surveillance of veterinary consumption



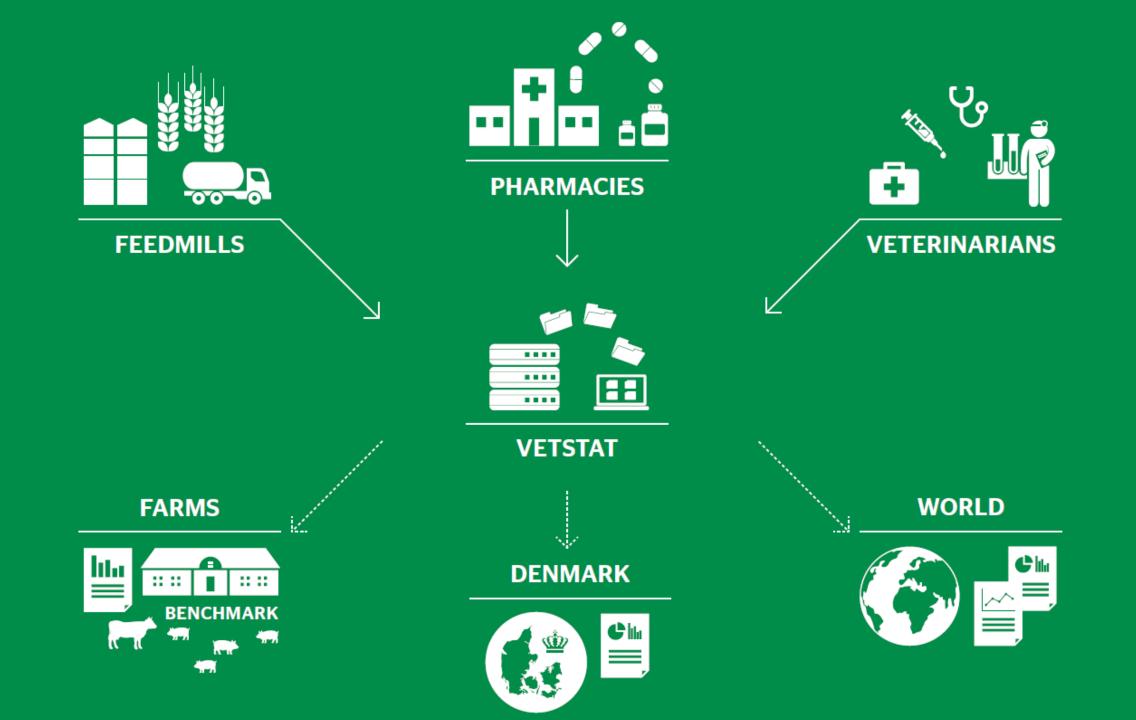
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Source: danmap.org

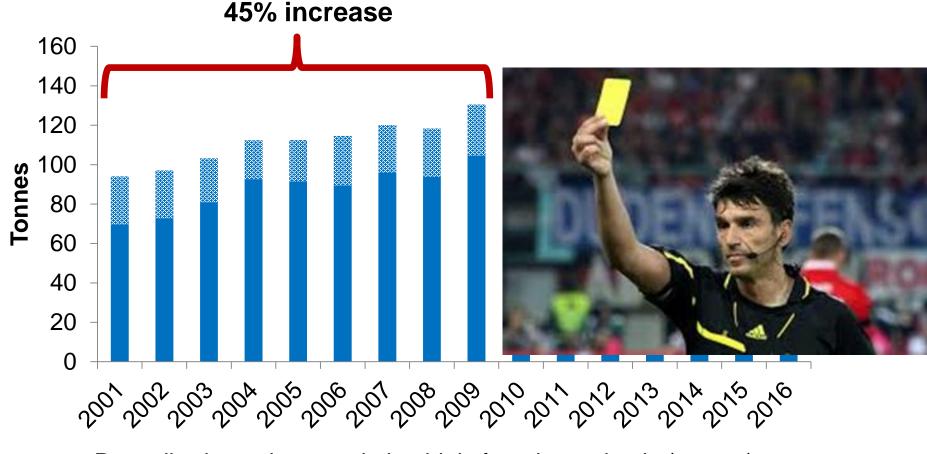


Target in 2010: 10% reduction in farm animals



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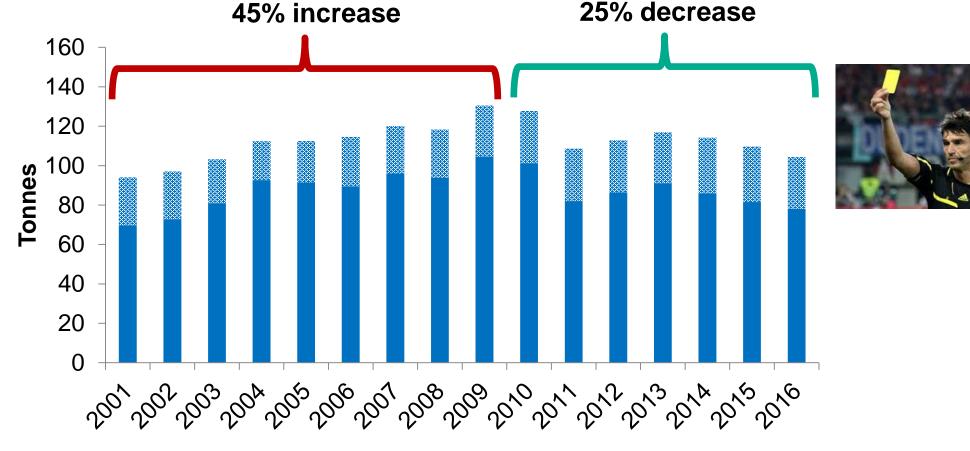
- Prescribed veterinary antimicrobials for other animals (tonnes)
- Prescribed veterinary antimicrobials for pigs (tonnes)

Yellow Card Initiative in 2010



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Yellow Card Initiative in 2010



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Yellow card Differentiated initiative **Yellow card** 160 140 120 100 Tonnes 80 60 40 20 0 $\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right$

Prescribed veterinary antimicrobials for other animals (tonnes)
Prescribed veterinary antimicrobials for pigs (tonnes)

Political target 2009-2013 on 10% was achieved

Current target: 15 pct. reduction in pigs from 2014 to 2018



Yellow Card Initiative for pigs

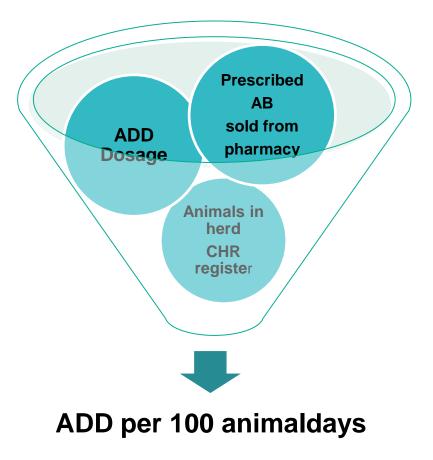


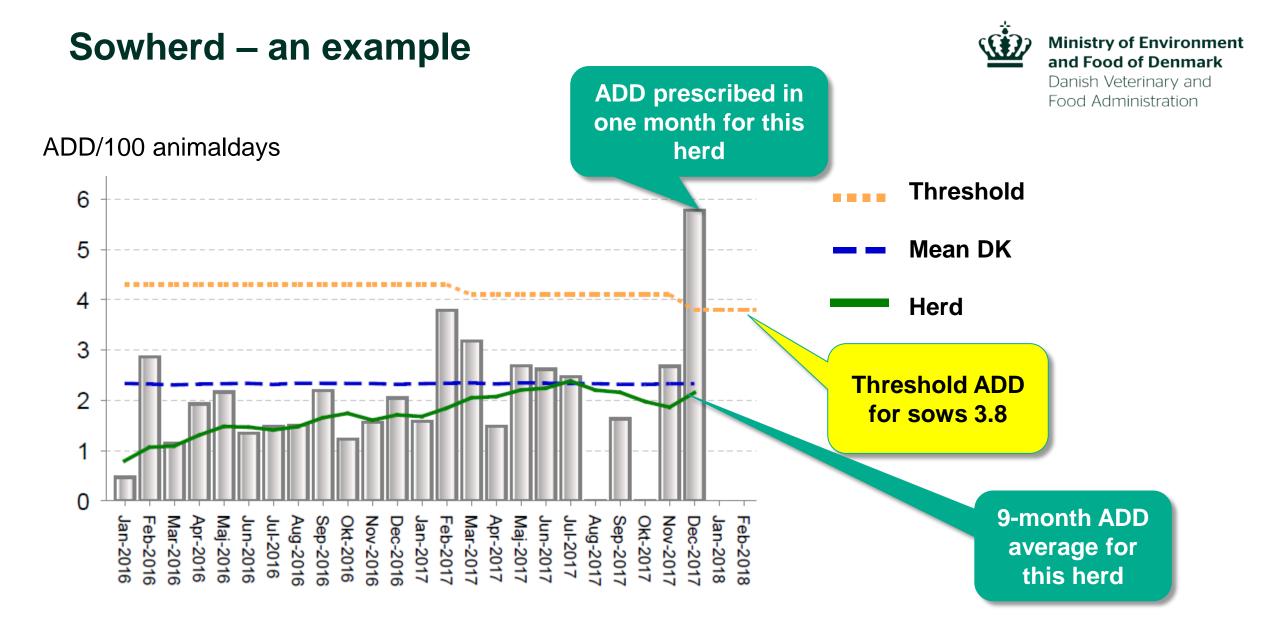
The yellow card initiative is designed to target the highest consumers of antimicrobials in the pig production

Pigs (standard kg)	Threshold*
Weaner pigs (15 kg)	20.2
Finishers (50 kg)	5.2
Sows + piglets (200 kg)	3.8

*March 2017, full effect by 31th December 2017

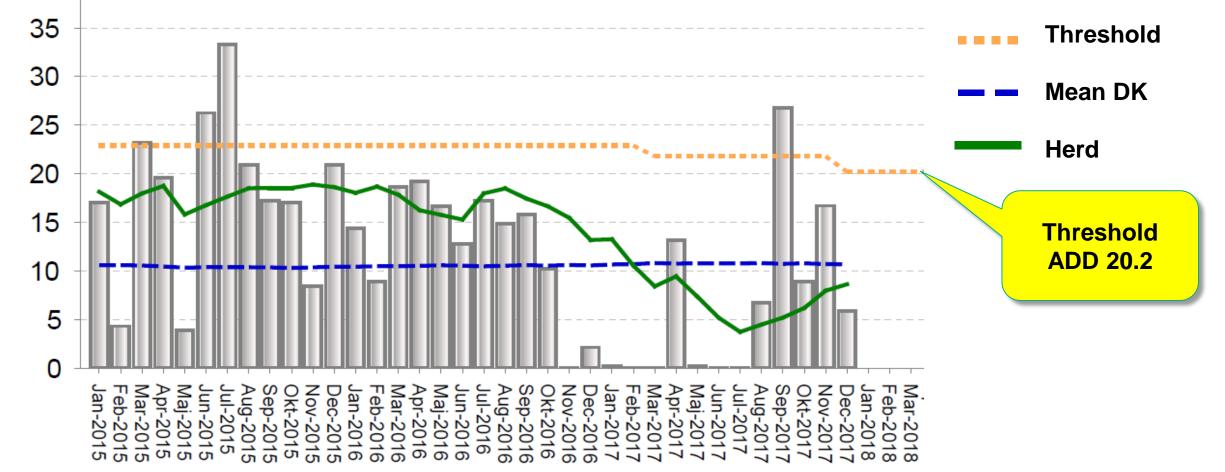
Animal Daily Dose – a technical unit





Weanerpig herd – an example

ADD/100 animaldays





What happens if a farmer gets a yellow card



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Status 2016	Number	
Pigherds in Denmark	5300	
Warning letters	244	
Yellow card in 2016	29	
Red card	0	

The DVFA issues an order – the yellow card – compelling the owner of the holding to reduce the consumption

The DVFA may carry out inspection visits

If the consumption at the holding has not been reduced below the threshold after a nine month period –

The DVFA may issue another order compelling the owner of the holding to follow expert advice from an impartial veterinarian

Differentiated Yellow card since 2016



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2010



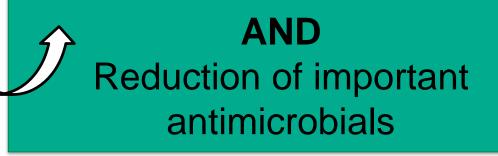
Reduction of consumption, tageting high users

2016/2017





Reduction of consumption, tageting high users



Differentiated Yellow card



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The yellow card initiative is designed to target the highest consumers of antimicrobials in the pig production and to promote responsible use

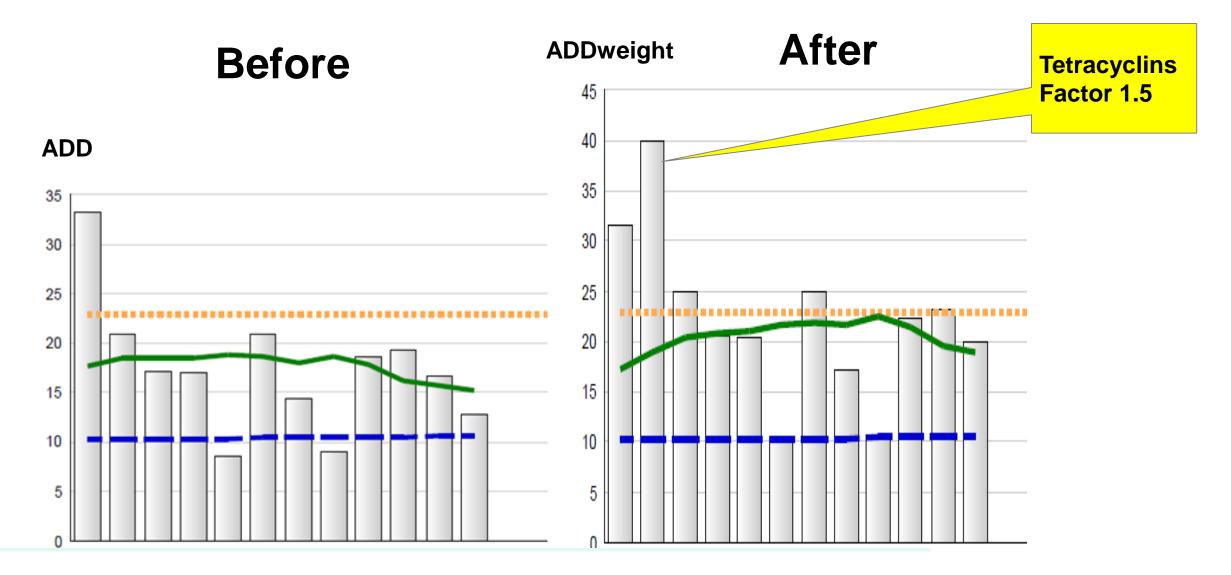


ADDweight = ADD x factor

Class of antimicrobials	Factor
Fluoroquinolones 3. and 4. generation cephalosporines Colistin	10
Tetracyclines	1.5
Other antimicrobials	1.0

*Factors in full effect by 31th December 2017

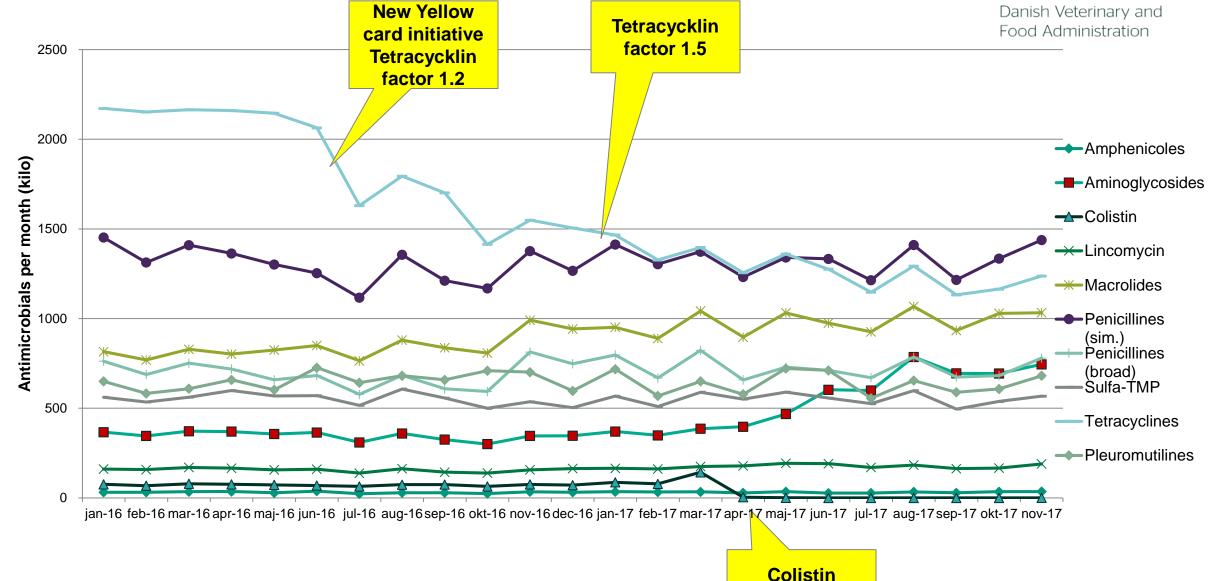
Differentiated Yellow card – if tetracyclins are used



Antimicrobials for pigs, monthly from January 2016



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factor 10

Veterinary use of critically important AM



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Flouroquinolones

- restricted use since 2002
- Yellow card factor x10 since 2016

3./4. gen. Cephalosporins

- voluntary stop 2010
- Yellow card factor x10 since 2016

Colistin

Yellow card factor x10 since 2017
due to precautionary principle

<0.5% of usage

close to zero

close to zero

Since april 2017: Use of colistin has dropped to less than 5 kilo per month





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Thank you for your attention





From farm to fork

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