Danish (and American) Antibiotic Usage Compared to the World

Source: Technical University of Denmark
Antibiotic Consumption in Denmark Before and After the 1998 Ban on Non-Therapeutic Use

Consumption of antibiotics – therapeutic and non-therapeutic (AGP) - in swine in Denmark. Swine consume >80% of the total antibiotic usage in animals in Denmark.

Source: Danish Veterinary and Food Administration
Danish Swine Production Trends

**Figure 2. Production of swine and No. pigs produced per sow/year in Denmark**

Note: “AGP stop” is the ban on non-therapeutic use of antibiotics in food animals.
Source: Danish Veterinary and Food Administration
Daily Weight Gain and Mortality in Young Danish Swine

Source: Danish Veterinary and Food Administration
Daily Weight Gain and Mortality in Adult Swine in Denmark

Figure 3. Daily weight gain of weaner pigs and mortality of weaner pigs in Denmark

Figure 4. Daily weight gain, mortality and feed efficiency of finishing pigs in Denmark

Source: Danish Veterinary and Food Administration
Decline in Avoparcin Use and Related Antibiotic Resistance in Swine

Source: Technical University of Denmark
Decline of Avilamycin Use and Related Antibiotic Resistance in Chickens

Source: Technical University of Denmark
Decline of Macrolide Use and Related Antibiotic Resistance in Swine

Source: Technical University of Denmark
Decline of Macrolide Use and Related Antibiotic Resistance in Swine

Source: Technical University of Denmark
Decline of Virginiamycin Use and Related Antibiotic Resistance in Broilers, Meat and Humans

Figure 43. Trends in streptogramin resistance among Enterococcus faecium from broilers, broiler meat and healthy humans in the community and the consumption of the growth promoter virginiamycin in animals, Denmark

Source: Danish Integrated Antimicrobial Resistance Monitoring and Research Program
Decline of Avoparcin Use and Related Antibiotic Resistance in Broilers, Meat and Humans

Source: Danish Integrated Antimicrobial Resistance Monitoring and Research Program
Decline of Avilamycin Use and Related Antibiotic Resistance in Broilers, Meat and Humans

Source: Danish Integrated Antimicrobial Resistance Monitoring and Research Program
Decline of Virginiamycin Use and Related Antibiotic Resistance in Swine, Meat and Humans

Source: Danish Integrated Antimicrobial Resistance Monitoring and Research Program
Decline of Avoparcin Use and Related Antibiotic Resistance in Pigs, Pork and Humans

Source: Danish Integrated Antimicrobial resistance Monitoring and Research Program
Decline of Tetracycline Use and Related Antibiotic Resistance in Pigs, Pork and Humans

Source: Danish Integrated Antimicrobial resistance Monitoring and Research Program