

# Antimicrobial Usage Surveillance in Food Animals

---

## Pigs

### Aminocyclitols

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.80                              |
| 2022 | 0.67                              |
| 2023 | 1.14                              |
| 2024 | 0.38                              |

### Aminoglycosides

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 3.57                              |
| 2022 | 2.20                              |
| 2023 | 2.11                              |
| 2024 | 0.49                              |

### Amphenicols

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 14.55                             |
| 2022 | 14.77                             |
| 2023 | 13.94                             |
| 2024 | 16.62                             |

### Cephalosporins (1st and 2nd generation)

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 2.52                              |
| 2022 | 2.75                              |
| 2023 | 0.96                              |
| 2024 | 2.06                              |

### Cephalosporins (3rd and 4th generation)

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.57                              |
| 2022 | 0.32                              |
| 2023 | 0.65                              |
| 2024 | 0.30                              |

### Fluoroquinolones

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.36                              |
|  | 2022 | 0.42                              |
|  | 2023 | 0.45                              |
|  | 2024 | 0.20                              |

### Lincosamides

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 1.17                              |
|  | 2022 | 1.97                              |
|  | 2023 | 2.63                              |
|  | 2024 | 1.43                              |

### Macrolides

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 16.92                             |
|  | 2022 | 14.42                             |
|  | 2023 | 12.37                             |
|  | 2024 | 13.00                             |

### Penicillins

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 29.09                             |
|  | 2022 | 31.26                             |
|  | 2023 | 24.68                             |
|  | 2024 | 23.57                             |

### Pleuromutilins

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 13.91                             |
|  | 2022 | 16.48                             |
|  | 2023 | 16.02                             |
|  | 2024 | 23.60                             |

### Polymyxins

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.11                              |
|  | 2022 | 0.03                              |

|      |      |
|------|------|
| 2023 | 0.04 |
| 2024 | 0.16 |

### Quinoxalines

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 1.80                              |
| 2022 | 1.40                              |
| 2023 | 0.01                              |
| 2024 | 0.00                              |

### Sulfonamides and trimethoprim

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 3.31                              |
| 2022 | 4.07                              |
| 2023 | 3.08                              |
| 2024 | 4.32                              |

### Tetracyclines

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 16.87                             |
| 2022 | 22.41                             |
| 2023 | 23.85                             |
| 2024 | 23.72                             |

### Total usage

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 105.56                            |
| 2022 | 113.18                            |
| 2023 | 101.94                            |
| 2024 | 109.86                            |

# Antimicrobial Usage Surveillance in Food Animals

---

## Chickens

### Aminocyclitols

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.33                              |
| 2022 | 0.30                              |
| 2023 | 0.18                              |
| 2024 | 0.19                              |

### Aminoglycosides

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.00                              |
| 2022 | 0.00                              |
| 2023 | 0.00                              |
| 2024 | 0.00                              |

### Amphenicols

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.03                              |
| 2022 | 0.06                              |
| 2023 | 0.55                              |
| 2024 | 1.32                              |

### Cephalosporins (3rd and 4th generation)

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.00                              |
| 2022 | 0.00                              |
| 2023 | 0.00                              |
| 2024 | 0.00                              |

### Fluoroquinolones

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.83                              |
| 2022 | 0.00                              |
| 2023 | 0.57                              |
| 2024 | 1.05                              |

**Lincosamides**

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.16                              |
|  | 2022 | 0.15                              |
|  | 2023 | 0.09                              |
|  | 2024 | 0.09                              |

**Macrolides**

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.65                              |
|  | 2022 | 1.14                              |
|  | 2023 | 2.00                              |
|  | 2024 | 2.61                              |

**Penicillins**

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.10                              |
|  | 2022 | 0.11                              |
|  | 2023 | 0.08                              |
|  | 2024 | 0.24                              |

**Sulfonamides and trimethoprim**

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.00                              |
|  | 2022 | 0.00                              |
|  | 2023 | 0.00                              |
|  | 2024 | 0.17                              |

**Tetracyclines**

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 0.00                              |
|  | 2022 | 0.00                              |
|  | 2023 | 0.00                              |
|  | 2024 | 0.00                              |

**Total usage**

|  | Year | mg/kg TAB (target animal biomass) |
|--|------|-----------------------------------|
|  | 2021 | 2.10                              |
|  | 2022 | 1.76                              |

|      |      |
|------|------|
| 2023 | 3.46 |
| 2024 | 5.67 |

# Antimicrobial Usage Surveillance in Food Animals

## Fish

### Amphenicols

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 0.0007                            |
| 2022 | 0.00                              |
| 2023 | 0.00                              |
| 2024 | 0.00                              |

### Tetracyclines

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 2.81                              |
| 2022 | 1.79                              |
| 2023 | 1.17                              |
| 2024 | 1.80                              |

### Total usage

| Year | mg/kg TAB (target animal biomass) |
|------|-----------------------------------|
| 2021 | 2.81                              |
| 2022 | 1.79                              |
| 2023 | 1.17                              |
| 2024 | 1.80                              |