

Facts, Figures, Data 2018

Meat and Meat Products



Feed monitoring

Year-on-year analysis results of undesirable substances

100 % of the **German compound feed production** is included in the QS scheme as well as a further **9,773 farms** in the fields of feed material production, trade, transport and storage.

Parameter	2016			2017			2018			Trend	
	Number of analyses	Value above detection/determination limit	Values ≥ 50 % of the strictest limit value	Number of analyses	Value above detection/determination limit	Values ≥ 50 % of the strictest limit value	Number of analyses	Value above detection/determination limit	Values ≥ 50 % of the strictest limit value	Value above detection/determination limit	Values ≥ 50 % of the strictest limit value
Dioxine	4,455	87.21%	4.50%	4,642	90.41%	4.62%	4,234	86.35%	4.18%	⊖	⊖
dl PCB	4,237	85.58%	3.78%	4,497	89.44%	5.40%	4,101	85.49%	4.51%	⊖	⊖
Total of dioxin and dl PCB	1,911	89.48%	1.70%	2,073	89.77%	4.35%	1,830	88.80%	2.28%	⊖	⊖
ndl PCB	3,726	68.92%	1.44%	4,285	75.03%	1.65%	3,704	76.65%	1.48%	⊕	⊖
Arsen	5,856	31.75%	21.30%	6,341	30.83%	20.87%	5,607	31.50%	20.89%	⊖	⊖
Lead	5,931	46.03%	9.23%	6,379	45.27%	9.07%	5,662	44.58%	8.16%	⊖	⊖
Cadmium	5,933	64.92%	4.67%	6,378	65.27%	4.28%	5,656	67.36%	4.02%	⊕	⊖
Mercury	5,858	7.34%	11.86%	6,341	7.00%	11.26%	5,600	6.93%	8.51%	⊖	⊖
Salmonella*	10,114	0.07%	-	10,472	0.23%	-	9,739	0.18%	-	⊖	-
AwS ^{a*}	870	0.57%	-	970	0.62%	-	827	3.02%	-	⊕	-
Pirimiphos-methyl (PPP) ^b	4,651	13.24%	99.84%	4,974	10.55%	100.00%	4,593	11.06%	100.00%	⊖	⊖
Chlorpyrifos-methyl (PPP) ^b	4,651	3.23%	63.33%	4,974	2.92%	67.59%	4,593	2.66%	54.92%	⊖	⊖

*only positive/negative results

a Antibiotically active substances
b Plant protection product

⊕ Trend increasing
⊖ Trend constant
⊖ Trend decreasing



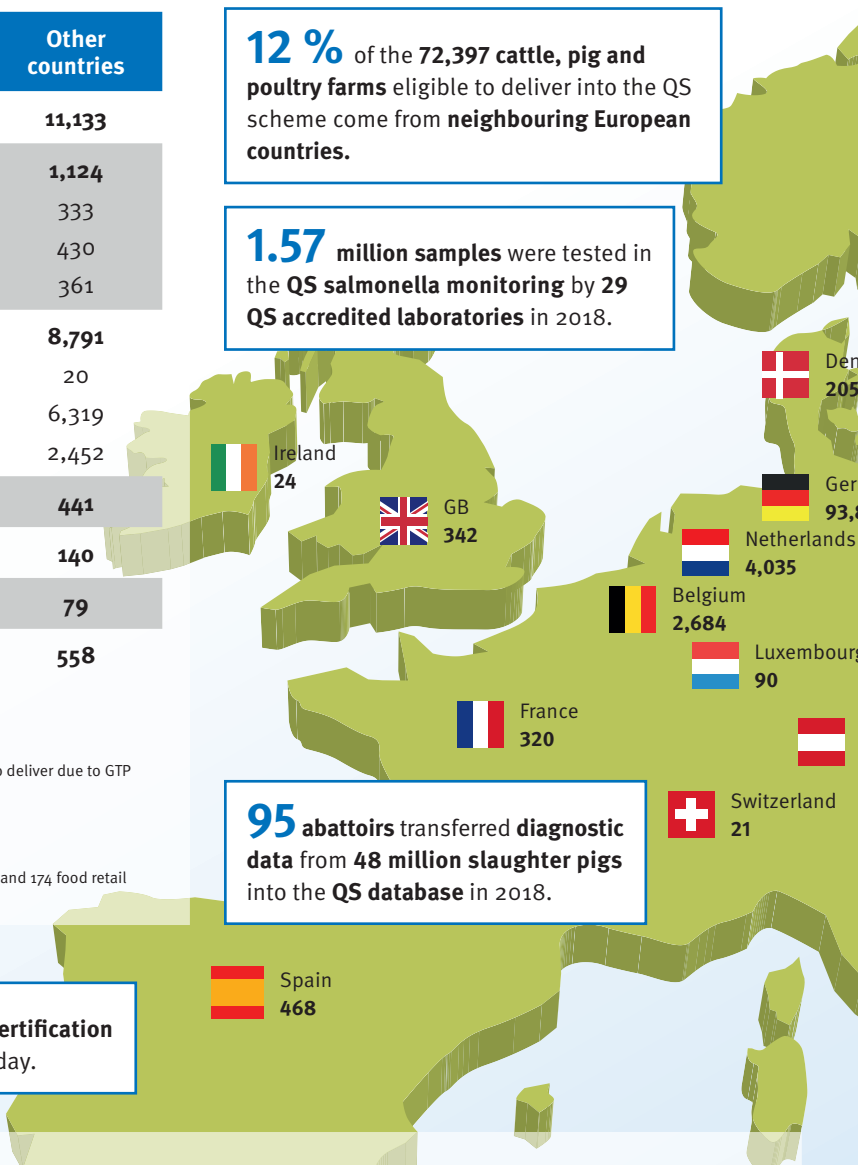
Current number of scheme participants

Stage	Total	Germany	Other countries
	105,005	93,872	11,133
Feed sector	4,474	3,350	1,124
- feed material production ^{1,2}	1,311	978	333
- compound feed production ³	1,362	932	430
- trade, transport, storage ⁴	1,801	1,440	361
Agricultural production	72,397	63,606	8,791
- cattle farming ⁵	30,578	30,558	20
- pig farming ⁶	36,183	29,864	6,319
- poultry farming/hatcheries	5,636	3,184	2,452
Livestock transport	1,974	1,533	441
Slaughtering/deboning	453	313	140
Processing⁷	478	399	79
Food retail⁸	25,229	24,671	558

1 Further 608 companies eligible to deliver due to GMP+ certification
 2 Including 188 additive and premix producers
 3 Including 533 mobile feed milling and mixing plants
 4 Further 6,002 companies eligible to deliver due to GMP+ certification; 51 companies eligible to deliver due to GTP certification
 5 Further 43,531 companies eligible to deliver slaughter cows due to QM-milk auditing
 6 Further 7,960 QSG companies (DK) with eligibility of delivery due to bilateral agreement
 7 Including 94 butchery companies
 8 Including 156 meat wholesale companies, 161 storage of meat and meat products companies and 174 food retail warehouses

12 % of the **72,397** cattle, pig and poultry farms eligible to deliver into the QS scheme come from **neighbouring European countries**.

1.57 million samples were tested in the **QS salmonella monitoring** by **29 QS accredited laboratories** in 2018.



95 abattoirs transferred **diagnostic data** from **48 million slaughter pigs** into the **QS database** in 2018.

Approximately **8 million products** with the **QS certification mark** end up in consumers' shopping carts every day.



Sanction procedures

Common causes for sanction procedures

	2018 (previous year)
Total sanction procedures	289 (480)
Agriculture	219 (389)
- Cattle	84 (291)
- Pig	126 (95)
- Poultry	9 (12)
Feed sector	12 (18)
Agricultural coordinators	1 (0)
Slaughtering/deboning, Meat wholesale	5 (6)
Food retail	49 (42)
Hatchery	1 (2)

- Veterinary stock care
- Conduct of self-assessment
- Insufficient documentation of medication
- Space allowances (Overcrowding)
- Insufficient calf farming
- Animal health status
- Conduct of feed monitoring
- Lack of management reviews
- Implementation of residue control program not adhered to
- Traceability not ensured
- Labelling of QS goods
- Temperature recording and monitoring
- Observation of best-before date and use-by date
- Animal welfare violations during selection and emergency killing



Regular audits

95 % of the **pork and poultry meat** from German production comes from QS certified farms. For **beef**, the proportion is **5 %**.

31,368 QS audits were carried out in 2018 in **feed, agriculture, meat and food retailing companies**, of which **97.3 %** have been passed.

467,998 analysis results from **feed monitoring** were entered into the QS database by **72 recognized laboratories** in 2018.

372 auditors and **27** certification bodies are currently trained and approved for auditing.

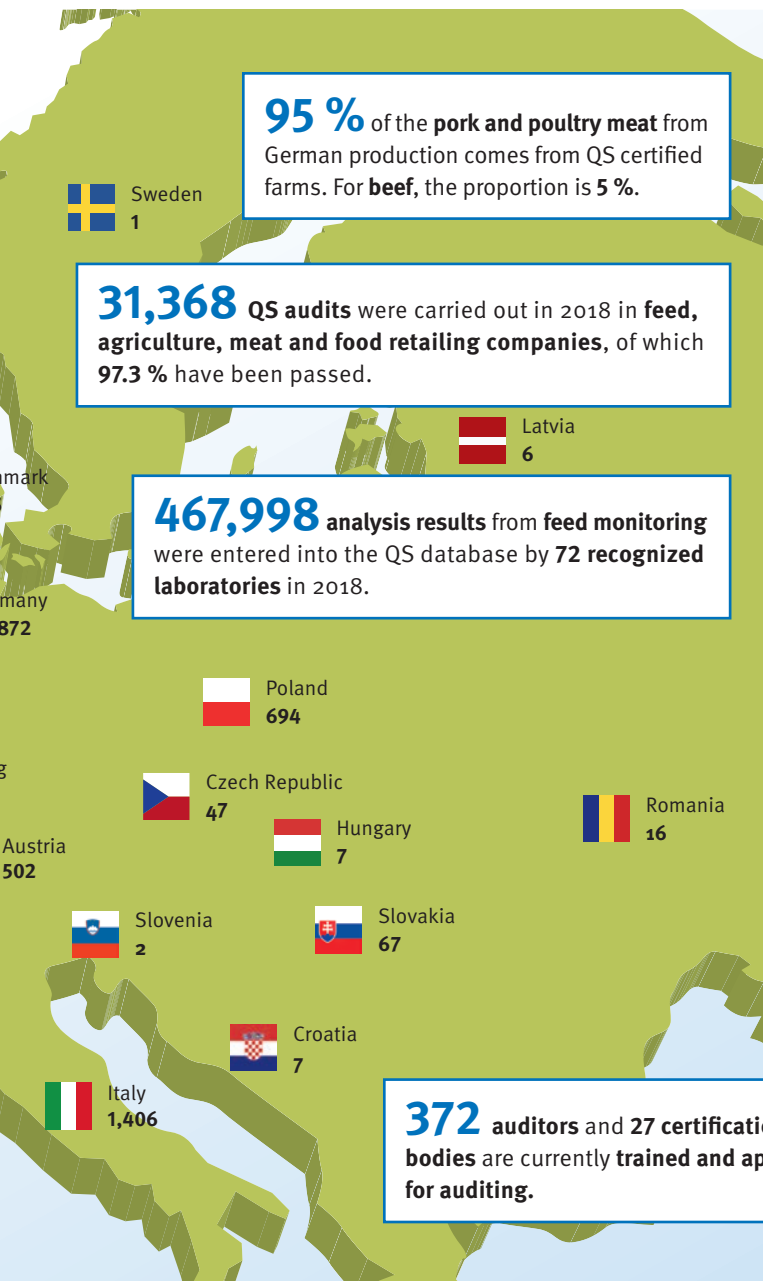
863 QS audits were not passed in 2018, **289** cases were considered by the sanction board. This imposed sanction penalties amounting to **217,600 €**.

Stage	Regular audits	Of which not passed
Total	29,206	792 (2.7%)
Coordinators	99	2 (2.0%)
Feed sector ^a	1,366	35 (2.6%)
Agriculture	22,554	347 (1.5%)
<i>Cattle farming</i>	8,298	179 (2.2%)
<i>Pig farming</i>	10,812	145 (1.3%)
<i>Poultry farming</i>	2,874	12 (0.4%)
<i>Poultry farming (adult breeding)</i>	570	11 (1.9%)
Hatchery	52	1 (1.9%)
Livestock transport	495	8 (1.6%)
Slaughtering/deboning	249	7 (2.8%)
Processing ^b	244	2 (0.8%)
Meat wholesale ^c	208	2 (1.0%)
Food retail	3,939	388 (9.9%)

a of which 389 inspections small scale feed material producers and mobile feed milling and mixing plants

b of which 49 audits butchery

c of which 36 audits combination meat and FVP wholesale (central storage), of which 1 not passed



Audits of special purpose

In addition to the regular audits, QS carries out unannounced audits of special purpose - especially in suspicious situations and with concrete information on violations of QS requirements. In 2018, **74** special audits were carried out in the meat and meat products supply chain.

Event and crisis management

QS actively supports its scheme participants in coping with incidents and crises - on an operational and communicative level. For this purpose, QS determines the facts of the case, monitors the flow of goods and informs the economic operators. In 2018, the event and crisis management in the QS scheme was confronted with **54** cases. These cases were brought to QS by scheme participants, third parties or the media. **15** cases were classified as so-called incidents*. **7** of the 15 incidents concerned animal welfare.

*The incident has relevance to the QS scheme. Other QS scheme participants or the QS scheme as a whole (reputation) may also be affected. The authorities have been informed and measures by the authorities are imminent or have already been initiated.

Stage	Number of audits	Of which not passed
Total	74	23 (31.1%)
Feed sector ^a	3	-
Agriculture	52	17 (32.7%)
<i>Cattle farming</i>	16	7 (43.8%)
<i>Pig farming</i>	30	9 (30.0%)
<i>Poultry</i>	6	1 (16.7%)
Slaughtering/Deboning	6	1 (16.7%)
Processing	2 ^a	1 (50.0%)
Meat wholesale	2 ^b	1 (50.0%)
Retail	9	3 (33.3%)

a of which 1 audit butchery, of which 1 not passed

b of which 2 audits combination meat and FVP wholesale (central storage), of which 1 not passed

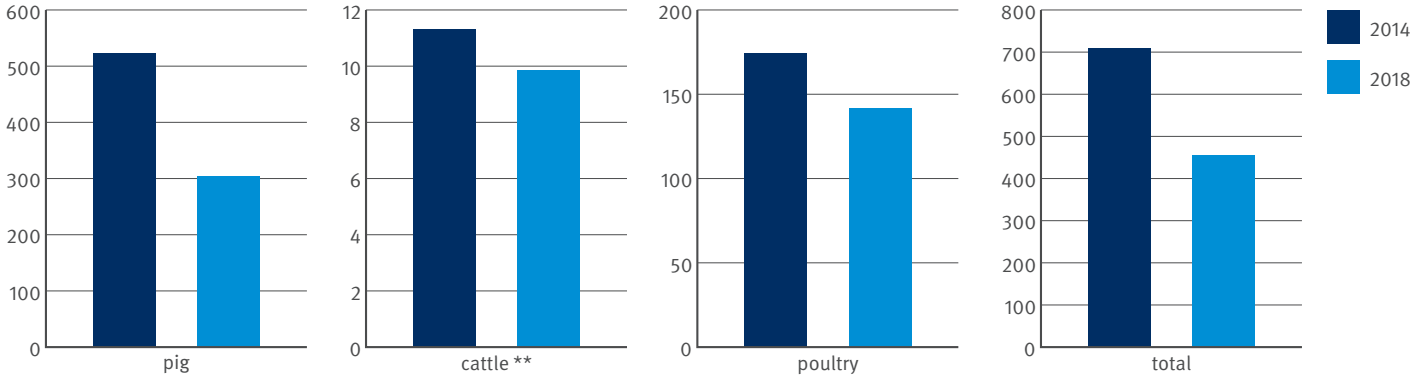


Antibiotics monitoring

The antibiotic quantities are recorded by **2,484** domestic and **142** foreign veterinarians from **14** nations. For this purpose, **606** domestic and **697** foreign preparations are stored in the QS antibiotics database.

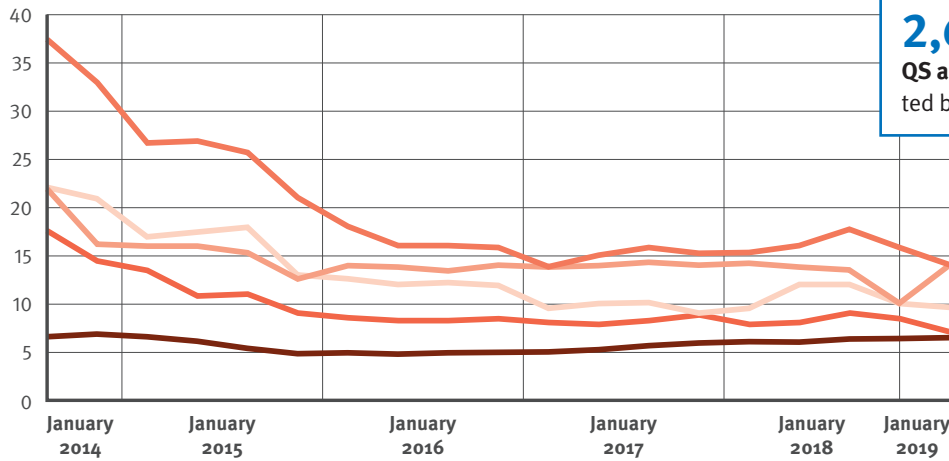
Since 2014, the **amount of antibiotics** used in the QS scheme has been **reduced** by **35.7 %**. The largest decrease was in pig farming with **41.9 %**.

Comparison of the antibiotic quantities (in tonnes) used in 2014 and 2018*



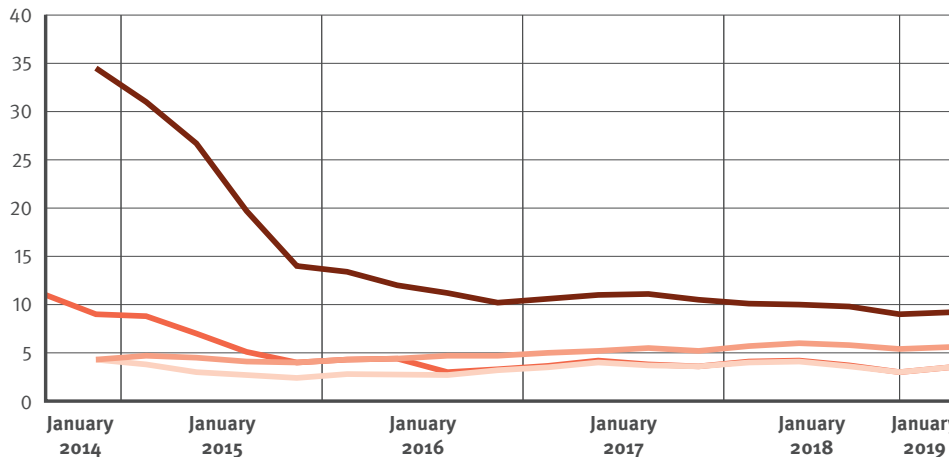
*Data refers to antibiotic quantities in Germany
**includes data for the 2nd half of each year

Development of the QS therapy indices poultry and pig (3rd quartile)***



2,626 veterinarians are registered for the QS antibiotics monitoring. Based on the data reported by them, the therapy index has been calculated.

- Fattening broilers
- Rearing turkeys (Combi)
- Fattening turkeys (Combi)
- Rearing turkeys
- Fattening turkeys



- Fattening pigs
- Sows
- Suckling pigs
- Rearing piglets

*** Value exceeded by 25 % of companies