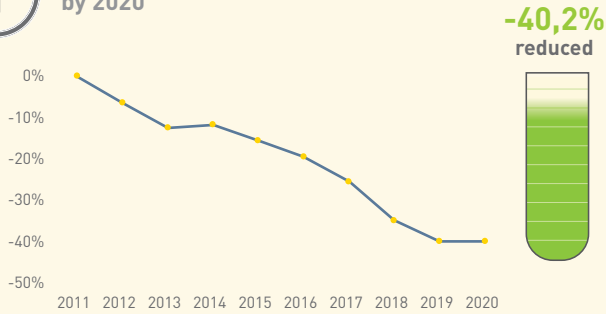# ANTIBIOTIC USE IN ANIMALS IN BELGIUM IN 2020: END OF THE FIRST REDUCTION PLAN
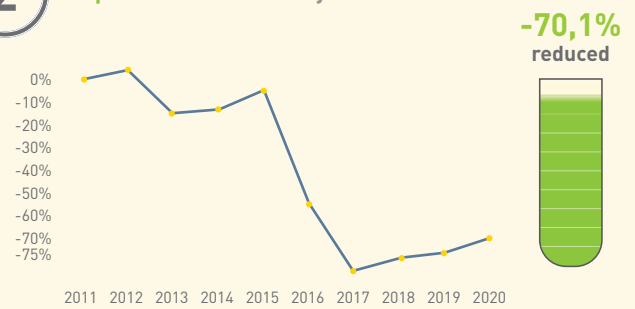
3 REDUCTION TARGETS COMPARED TO 2011
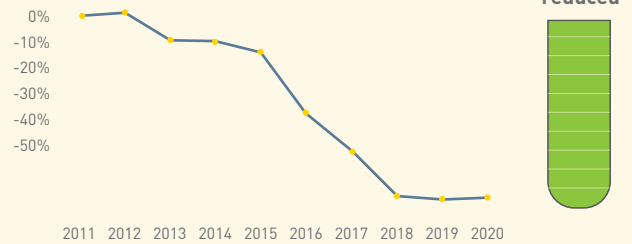
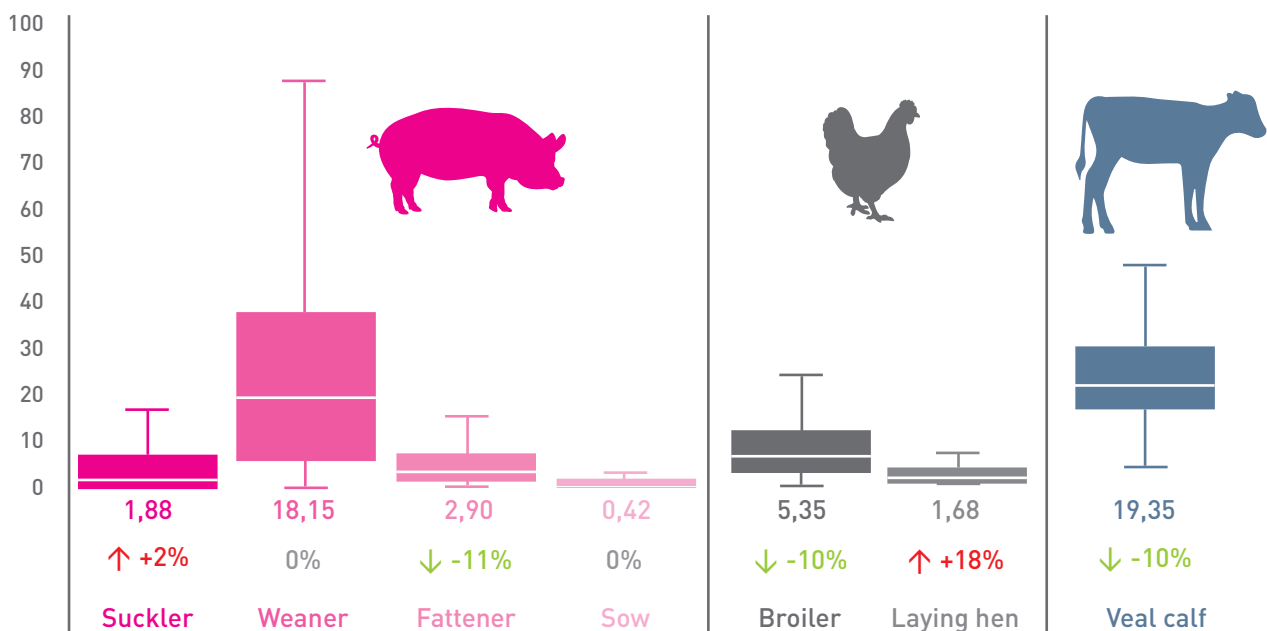**1** 50% less in **total antibiotic use** by 2020

-40,2% reduced

2 75% less use of the **critically important antibiotics** by 2020

-70,1% reduced

3 50% less of **feed medicated with antibiotics** by 2017

-70,4% reduced

NUMBER OF TREATMENT DAYS WITH ANTIBIOTICS ON 100 DAYS AT FARM

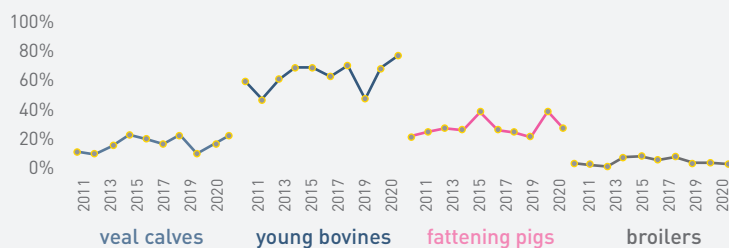| Suckler	Weaner	Fattener	Sow	Broiler	Laying hen	Veal calf
1,88	18,15	2,90	0,42	5,35	1,68	19,35
↑ +2%	0%	↓ -11%	0%	↓ -10%	↑ +18%	↓ -10%

For each animal category, the distribution of antibiotic use across the farms within that animal category is shown.
The white line in the box and the number below the box are the median for 2020: 50% farms use less antibiotics, 50% use more.
The % change in the median compared to 2019 is shown below.

ANTIBIOTIC RESISTANCE EVOLUTION IN ANIMALS IN BELGIUM

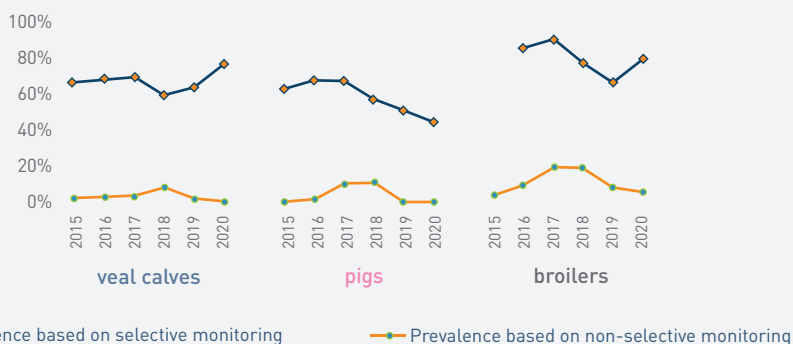## Prevalence of *E. coli* resistant to at least 3 antibiotic classes

veal calves   young bovines   fattening pigs   broilers
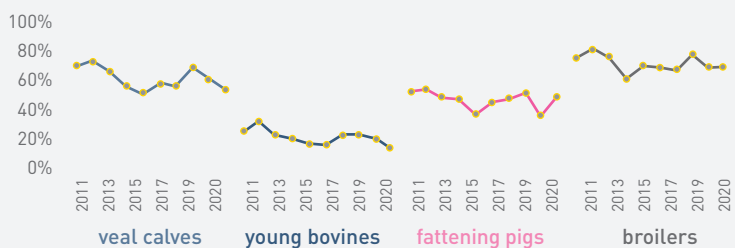
Prevalence of *E. coli* fully susceptible to all tested antibiotics

veal calves   young bovines   fattening pigs   broilers

Antibiotic classes tested: aminopenicillins, phenicols, (fluoro)quinolones, polymyxins, 3rd generation cephalosporins, aminoglycosides, sulfamides, trimethoprim, tetracyclines, macrolides, carbapenemes, glycylcyclines

Prevalence of BSLE-producing *E. coli*

veal calves   pigs   broilers

— Prevalence based on selective monitoring   — Prevalence based on non-selective monitoring

Selective monitoring: McConkey + cefotaxim agar – Non-selective monitoring: without cefotaxim

Prevalence of *Salmonella enterica* serotypes of major human concern not susceptible to ciprofloxacin in poultry

S. Typhimurium   *S.* monophasis Typhimurium   *S.* Derby   *S.* Enteritidis   *S.* Infantis
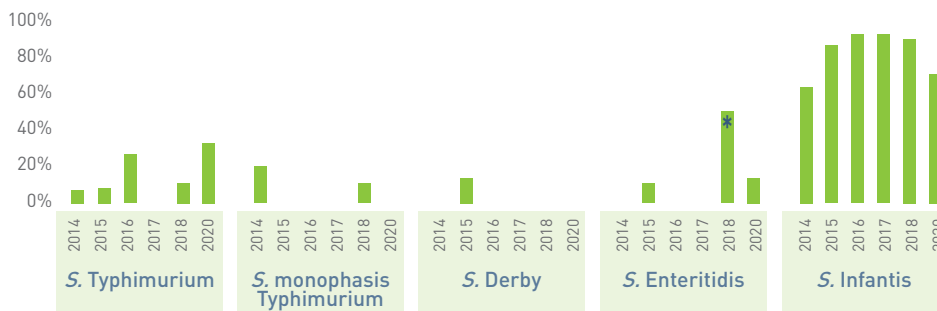
*The number of *Salmonella* Enteritidis strains in 2018 is only 2

Prevalence of methicillin-resistant *Staphylococcus aureus* (MRSA)

veal calves   pigs

beef cattle   dairy cattle   broilers and laying hens
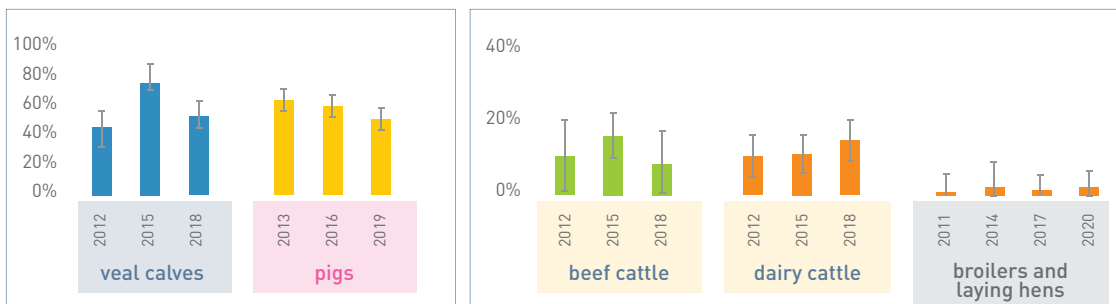
MRSA are resistant to almost all ß-lactam antibiotics and are often not susceptible to many other classes of antibiotics

federal public service HEALTH, FOOD CHAIN SAFETY AND ENVIRONMENT

famhp federal agency for medicines and health products

sciensano

Federal Agency for the Safety of the Food Chain

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