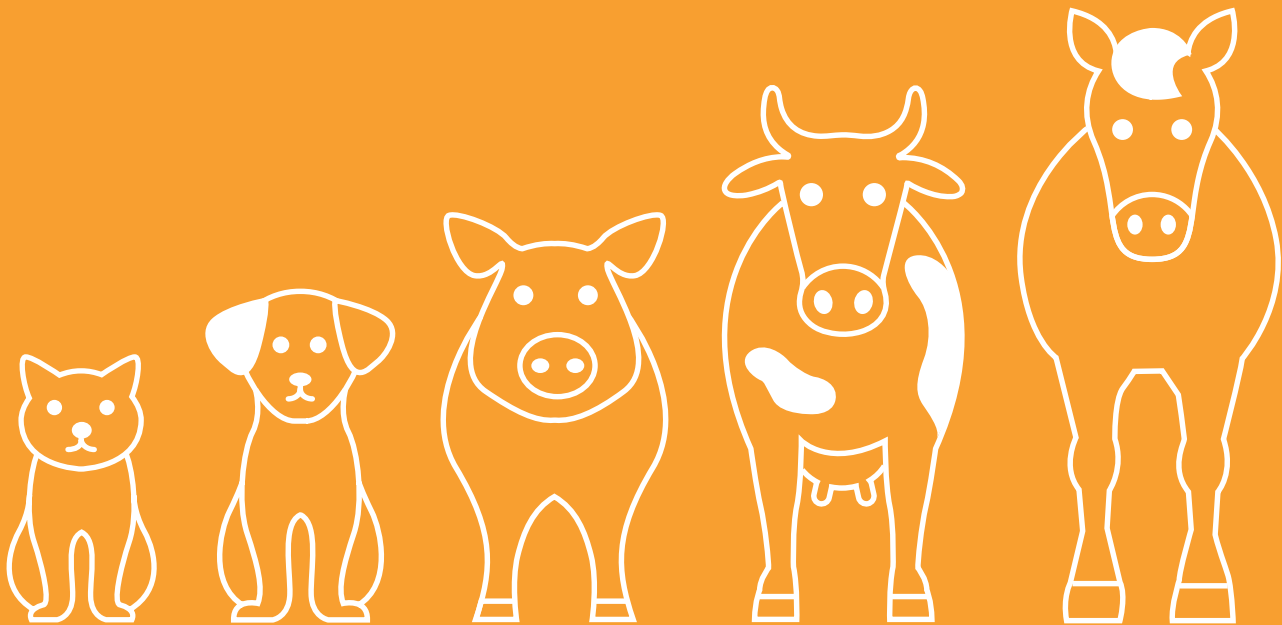


Animal health

pharma.be: the voice
of the animal health
industry in Belgium



Animals need our care too

pharma.be

ASSOCIATION GÉNÉRALE DE L'INDUSTRIE DU MÉDICAMENT
ALGEMENE VERENIGING VAN DE GENEESMIDDELENINDUSTRIE

animal health

Providing solutions for animals

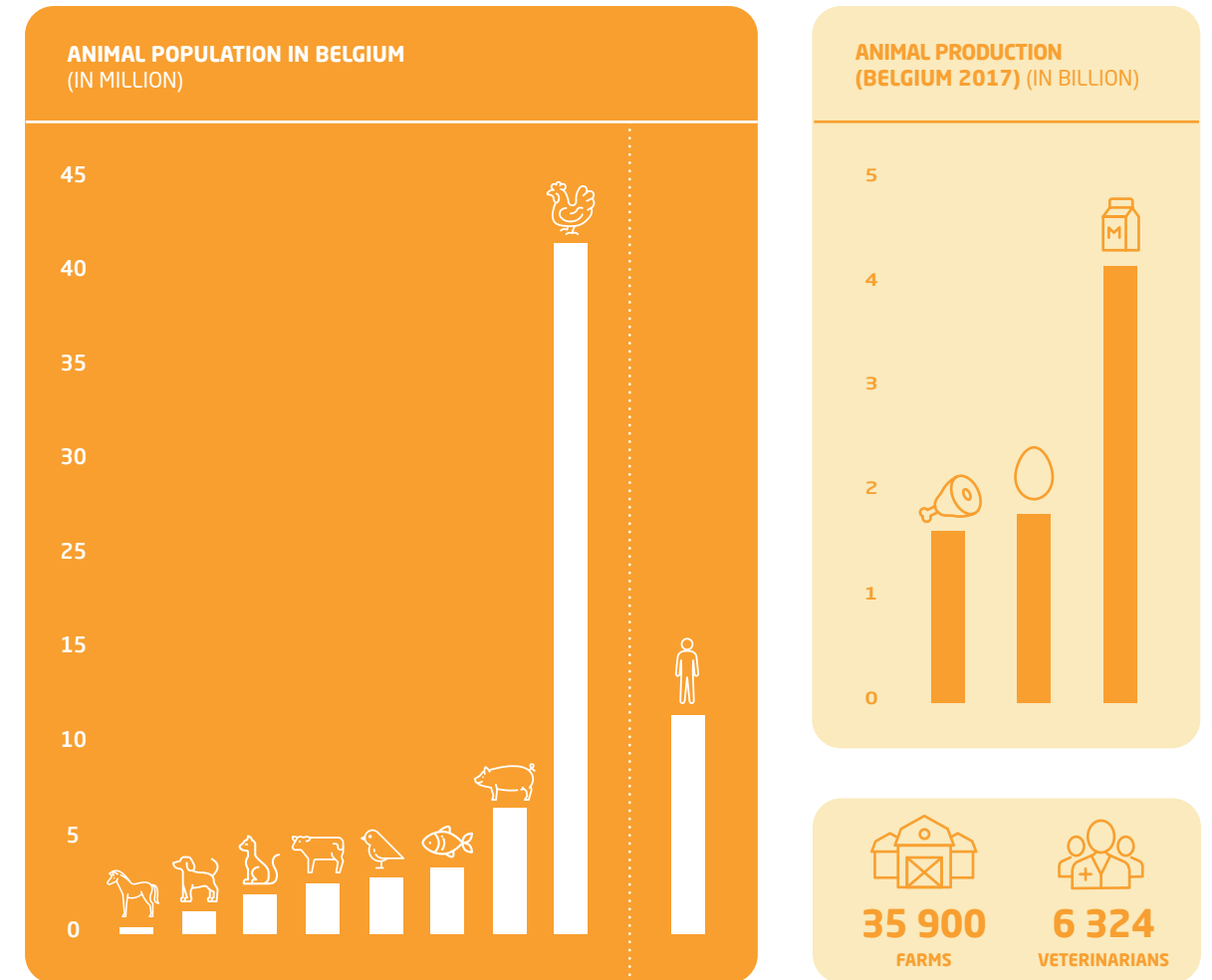


More than 1 out of 4 Belgian households have at least one cat, and more than 1 out of 5 have at least one dog. Almost 2 out of 3 of Belgians say to eat meat at least 4 times a week. We do not often reflect on it, but human and animal are part of the same ecosystem. Therefore, healthy animals mean healthy people. They provide us with safe nutritious food, companion and even assistance when disabled people or patients can benefit from it. Animals are part of our lives, so taking good care of them goes without saying. From the start pharma.be was concerned and represents both the pharmaceutical companies active in the human as in the animal health sector. pharma.be animal health (AH) is an important division of pharma.be and assembles 14 members active in the field of veterinary medicines in Belgium, of which 3 companies with R&D sites, 3 companies with production sites and 6 companies with logistic centres. These companies provide solutions to prevent and cure animal diseases. Without them, it would be impossible to keep healthy livestock or to care for our beloved pets. We invite you to read on to find out more about the contribution of the veterinary pharmaceutical industry in Belgium to preserve and improve the health and welfare of animals.

Catherine Rutten, CEO pharma.be | Davy Persoons, Public and Animal Health Manager



Animal Health Ecosystem in Belgium



pharma.be: partner in animal health



Providing solutions for animal health

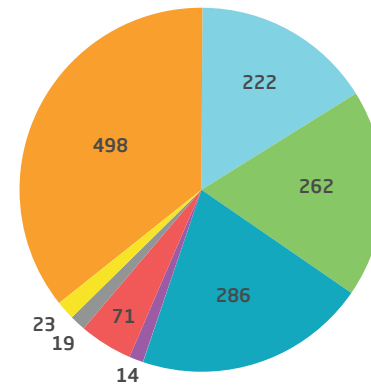
The therapies provided by the animal health industry members of pharma.be are varied:

- 30% vaccines
- 25% anti-parasitic medicines
- 16% antibiotics

(based on revenue)

VACCINES ANTIBIOTICS ANTIPARASITICS
PREMIXES CORTICOSTEROIDS OTHERS
ANTI-INFLAMATORIES ANTI-COCCIDIOSIS

1395 veterinary medicines



The animal health industry in Belgium attaches great importance to disease **prevention**. The number of vaccines available for animals in our country has almost doubled over the past five years; from 117 vaccines in 2012 to **222 vaccines in 2017**.



1 395
Veterinary
medicines

85%
pharma.be represents 85%
of the veterinary medicines
available in Belgium

222
Vaccines

Innovating in animal health is what we do best

The pharma.be animal health members do research and develop veterinary medicines in order to prevent and treat diseases. Without these, it would be impossible to raise healthy livestock or look after people's companion animals.



Solutions

Animals, just like people, get sick and require medicines. Animals can get illnesses similar to human illnesses and then similar types of medicines are used. But they also get a variety of diseases and infections that people do not get, requiring very different types of medicines or different ways to administer them.



Innovation

The animal health industry also plays another important role; it is part of the front line of defence against new and emerging diseases. These could be highly infectious to livestock or indigenous wildlife; they may even be zoonotic, capable of crossing the species barrier from animal to man. This is an increasing concern for Europe; climate change and movement of animals mean that it is likely to face animal diseases that are new or have rarely been seen in the region before.

Fortunately, many of the pharma.be member companies have a global presence, working with national and global health authorities to monitor trends and prepare their response, enhancing their readiness.

The animal health industry is constantly researching new medicines and vaccines, new solutions and new approaches to deal with both new and existing threats, ensuring it remains ahead wherever possible. The pharma.be member companies are using their expertise to develop vaccines, faster, more accurate diagnostics tests, and improved treatments, and to make these available for the animals that need them.

The pathway to new veterinary medicines

CONTROL ON THE USE OF MEDICINES IN FARM ANIMALS: FASFC***



DISCOVERY

- Hypothesis development and early research

PRE-CLINICAL LAB DEVELOPMENT

- Early testing in labs
- Safety and quality including environmental safety

PETS	LIVESTOCK	
		Animal Safety tolerance
		Dosing studies
		Clinical studies

CLINICAL FIELD TRIALS

- Testing safety and efficacy in sick animals

EVALUATION & REGISTRATION

- Product approval
- Evaluation and assessment by regulatory authority
- Environmental risk assessment

MANUFACTURING AND DELIVERY

- Delivering authorized products to people or veterinarians to enable them to care for animals

POST-MARKETING SURVEILLANCE

- Continuous monitoring of safety and efficacy of the veterinary medicines on the market

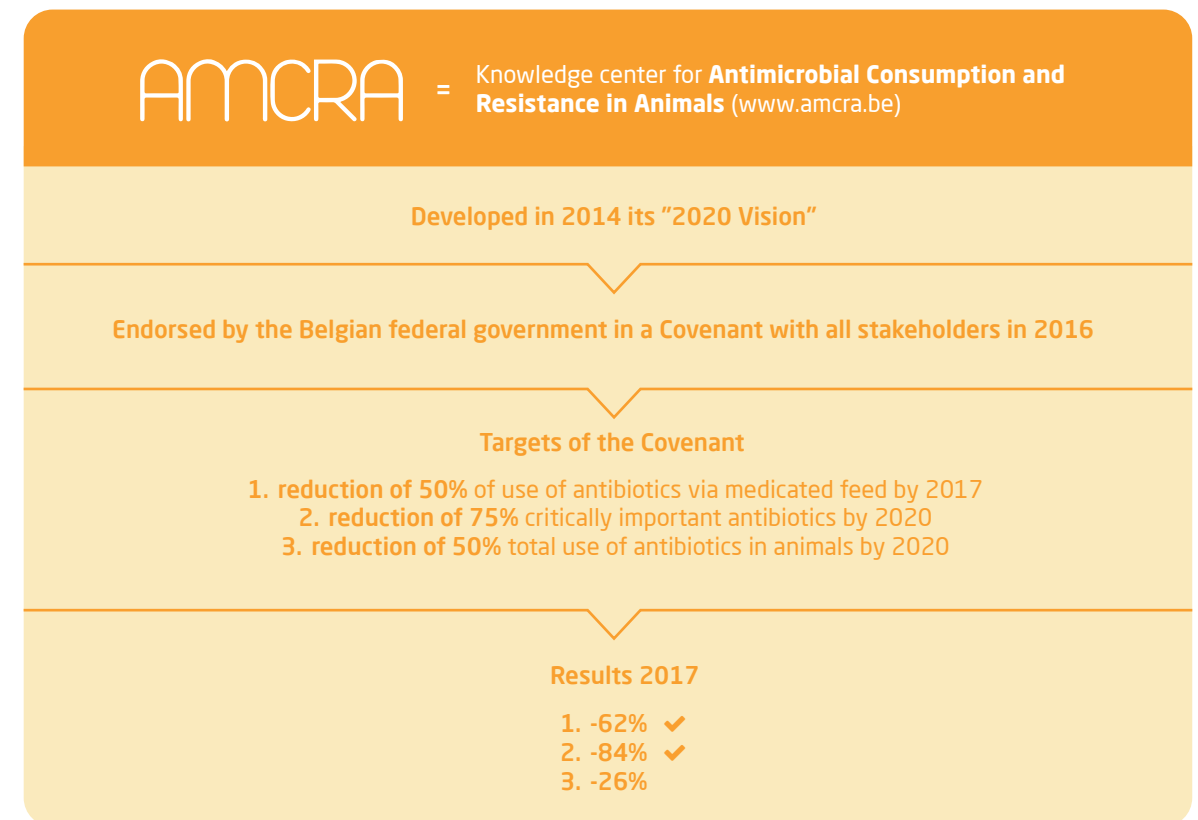
GUIDANCE, EVALUATION AND CONTROL BY FAMHP*/EMA**

We are similar, but we are not the same: veterinary medicines vs human medicines



The fight against antimicrobial resistance (AMR): the story of a pioneer

pharma.be was one of the founding partners of AMCRA, bringing all concerned parties around the table to discuss the threat of AMR. This is an example of working together in co-regulation with the government to fight AMR and to preserve the efficacy of antibiotics for future generations.



pharma.be is member of AnimalHealthEurope: “Promoting the benefits of safe, effective, quality medicines for the health and welfare of all animals”

AnimalHealthEurope’s vision on one health: healthy animals mean healthy people and a healthier planet
Human health and animal health are interdependent, linked closely to the health of the environment they live in. Whilst the concept has long been recognised, the term ‘One Health’ was introduced in the early 2000’s. At EU and global levels there is promotion of cross-sectoral collaboration to reduce risks from zoonoses and other public threats.



HEALTHY ANIMALS

- **Healthy animals are well cared for: where possible disease is being prevented, minimising pain and discomfort.**
- Animal vaccines and preventative medicines help to **prevent diseases** and therapeutic medicines help to **treat them**, thereby supporting animal welfare.
- In farms, these medicines help to **prevent productivity losses due to disease**, which account for **20%** of total production. Healthy animals support people’s health and wellbeing, the economic viability of **livestock farming**, and the **protection of the environment**.

Did you know? Together we care for over **a billion** animals in Europe.



HEALTHY PEOPLE

- **Healthy animals contribute to people’s health and wellbeing.**
- Animal medicines and vaccines help to **reduce disease in people** by protecting them against ‘zoonoses’.
- Providing **safe and nutritious food** is key to a healthy life. Protein, including **meat, milk, eggs and fish**, is a vital component of a **healthy, nutritious diet**.
- **Pets** are seen as members of the family, and **pet ownership** contributes to human health and wellbeing.

Did you know? According to a study in Germany, pet ownership reduces the number of medical visits by **16%**.



HEALTHY PLANET

- **Healthy animals enable farmers to produce more meat, milk, eggs and fish, with less environmental impact.**
- Healthy animals mean **less natural resource input** (feed, energy and soil use) and **less waste output** (e.g. manure) and a **decrease of CO₂ emissions with more than 40%**.
- Animals use grasslands that are hard to use for other high-quality protein production. **Grasslands** are important **carbon traps**, and animal grazing **supports biodiversity**.

Did you know? **3 out of 4** Europeans agree that healthy farm animals enable more sustainable food production and supply.

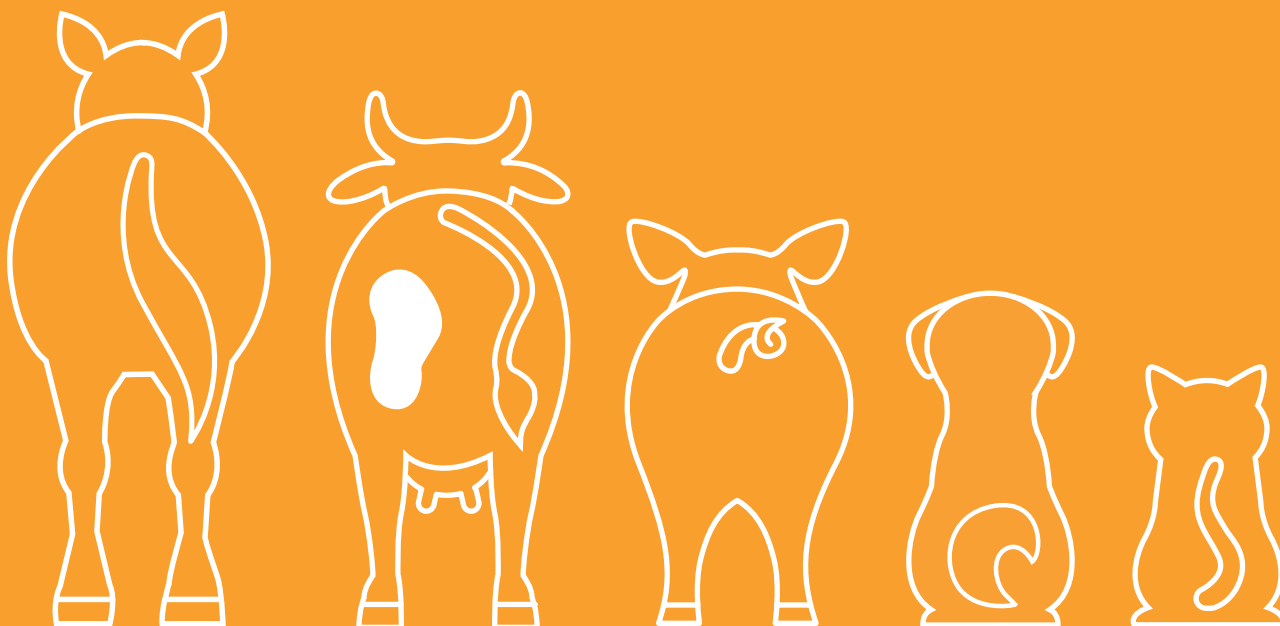
#ONE HEALTH = + +

pharma.be animal health member companies:



For more information on pharma.be Animal Health: www.pharma.be
Terhulpsesteenweg 166 Chaussée de La Hulpe | Brussels 1170 Bruxelles
animalhealth@pharma.be T: 02 661 91 11 Find us on Twitter: [@pharmabe](https://twitter.com/pharmabe)

CONNECT **SUBSCRIBE** **PHARMA.BE NEWSLETTER**



Responsible publisher: Catherine Rutten, pharma.be
Terhulpensesteenweg 166, 1170 Brussels - Belgium
Legal deposit: D/2018/4021/7

pharma.be

ASSOCIATION GÉNÉRALE DE L'INDUSTRIE DU MÉDICAMENT
ALGEMENE VERENIGING VAN DE GENEESMIDDELENINDUSTRIE

animal health