

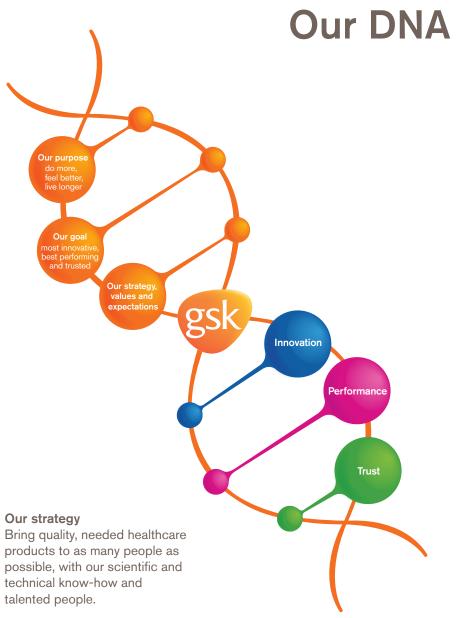
We have 3 global businesses that research, develop and manufacturer innovative pharmaceutical medicines, vaccines and consumer healthcare products.

> Our goal is to be one of the world's most innovative, best performing and trusted healthcare companies.



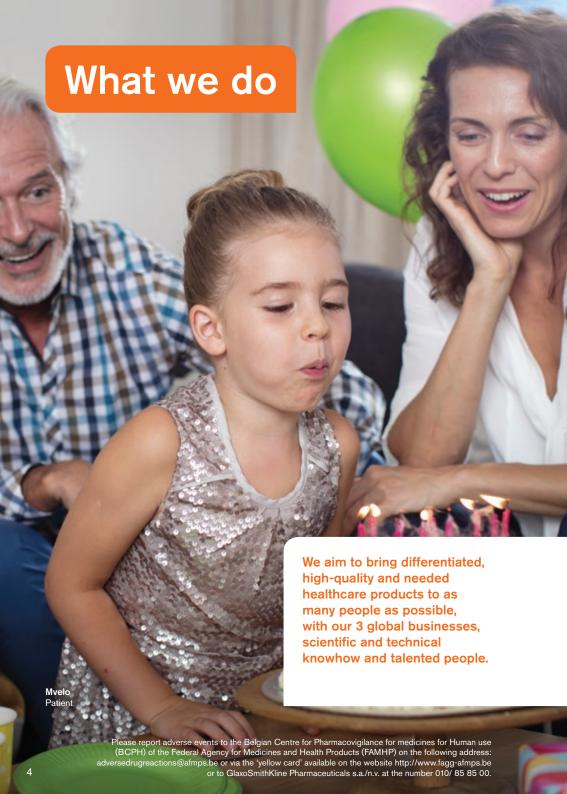






Our values and expectations

- Patient focus
 Courage
- TransparencyAccountability
- Respect
- Development
- Integrity
- Teamwork

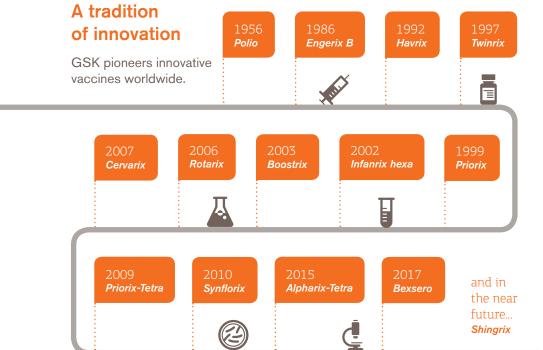


Vaccines

Our Vaccines business has a broad **portfolio** and innovative pipeline of vaccines to help protect people **throughout life**. These vaccines **help to protect** against many **infectious diseases** such as meningococcal, pneumococcal or rotavirus infections, as well as polio, flu, hepatitis, whooping cough or shingles infections.



>40 vaccines for children, adolescents, adults and travelers.



Pharmaceuticals

Our Pharmaceuticals business has a broad portfolio of innovative and established medicines with commercial leadership in respiratory and HIV. Our R&D approach focuses on science related to the immune system, use of genetics and advanced technologies.

Respiratory





1969
Ventolin

1972
Beconase

1973
Becotide

1990
Flixonase

1993
Flixotide

Seretide

2018
Trelegy Ellipta

2016
Nucala

2015
Anoro Ellipta & Relvar Ellipta
Avamys

HIV



A unique company fully dedicated to the fight against **HIV**, specialised in **treatment** with currently

>10 specific medicines for people living with the virus.

Consumer Healthcare

Our Consumer Healthcare business develops and markets an innovative portfolio of consumer preferred and expert recommended brands in the **Oral health**, **Pain relief**, **Respiratory**, and **Skin health** categories.





How we do it



Trust

Respiratory scientist

Innovation

We invest in scientific and technical excellence to develop and launch a pipeline of new products that meet the needs of patients, payers and consumers.

€4.3bn

R&D investment in 2017



3

major launches in 2017 – Shingrix, a vaccine for shingles, Trelegy Ellipta for COPD and Juluca for HIV

27

immunomodulatory new molecular entities in the pipeline for a range of diseases

11,000

people working in R&D around the world





Performance

We aim to achieve industry-leading growth by investing effectively in our business, developing our people and delivering flawlessly.

€33.4bn

total turnover in 2017

No.1

dolutegravir is the most prescribed core agent for HIV treatments worldwide

>€1bn

Sensodyne sales - world's number one dentist recommended toothpaste for sensitive teeth

>100m

Ellipta inhalers produced to treat asthma and COPD





Trust

We are a responsible company and commit to use our science and technology to address health needs, make our products affordable and available and to be a modern employer.

119,000

of our people and their families in 93 countries have access to healthcare with our Partnership for Prevention programme

1st

candidate vaccine showing efficacy against malaria and 1st single dose medicine to treat relapsing malaria

1 st

in class medicines in the pipeline and a much needed candidate vaccine to help fight tuberculosis

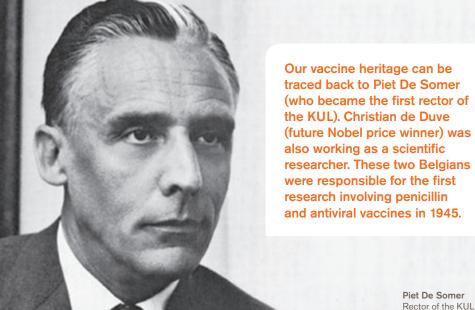
84%

of employees are proud to work for GSK









GSK is one of the few pharmaceutical companies that has integrated all operations: from research to development, to production and finally commercialisation of vaccines:



R&D (research and clinical development)



manufacturing and packaging (primary and secondary)



distribution in Belgium and export all around the world

But also the **commercialisation of medicines** against respiratory disease and HIV (the virus responsible for AIDS), as well as many consumer healthcare products.

Belgium: the heart of GSK Vaccines

major vaccine sites of GSK in Belgium (in Wavre, Rixensart and Gembloux), including the global headquarters from the vaccines division of the group.

We represent the **largest industrial network** for vaccines worldwide.





Rixensart

- Founded in 1958, this was the foundational vaccines site in Belgium.
 Many of our vaccines were discovered and produced here.
- The site is unique and is home to the largest vaccines R&D unit.
 Our other R&D sites are in Italy and the USA.
- There are specific laboratories dedicated to research and development of vaccines as well as vaccine manufacturing.
- Our R&D team brings together a vast and unique international expertise across the fields of adjuvants as well as viral and bacterial infections.





Wavre

- Inaugurated in 1995, this site is the largest vaccines manufacturing site in the world with a total surface of 550.000m². It is equipped with a large manufacturing infrastructure (producing antigens, formulation, filling, packaging, and infrastructure for quality assurance and control).
- The vast majority of GSK Vaccines distributed worldwide are produced in Wavre.

Gembloux

- Created in 1997, this site is dedicated to upscaling vaccine manufacturing techniques before their implementation in our Belgian and international manufacturing centers.
- This site is also important for the storage of our vaccines (commissioned since 2010).



GSK in Belgium, in numbers

14 candidate vaccines

currently in development, representing the **largest pipeline** compared to other vaccine producers*.



in vaccines, with currently

~2,000 researchers working in R&D.

>90% of the vaccines

in our pipeline were developed through Belgian and international partnerships. In 2018, we had



13 scientific collaborations with Belgian academic institutions.

Investments are key to anticipate the future in a complex domain

~1 billion € invested in R&D

as from Belgium in 2017. On top of that, 3 billion € were invested in Belgian infrastructure

the last 10 years.



The launch of a new vaccine is a long process and requires massive investments in R&D (including clinical trials) as well as in development and building state-of-the-art facilities.

Our investments in R&D have continuously increased over the last decade.



800 million doses of vaccines distributed in 2017, or

 $25 \, \text{doses/second}$

An attractive and modern employer

In the last 10 years, GSK has created more than 3.000 jobs, which corresponds to almost

1 job created/day.



In 2017, GSK hired about 1,000 employees.

45% women and

55% men



>9,000

employees in Belgium

without counting about 16.000 indirect jobs created. GSK is by far the largest pharmaceutical company in Belgium.

A Top 10 company in Belgium



>80 nationalities across our workforce in Belgium.

25% operators

35% administrative & technical functions

40% managers



Future Leaders Programme*

Every year through this **programme young talent** has the opportunity to experience different parts of our business.



In 2017, close to 2,000 of our GSK employees dedicated their time to

137 charity projects.

Consistently recognized as an attractive employer over several years.



18 *futureleaders.gsk.com

The impact of our vaccines on public health



Next to clear water, **nothing has a bigger impact than** vaccination in its ability to save lives*.

The WHO estimates **2-3 million** of deaths are prevented each year thanks to vaccination**.

>40 vaccines

on the market which help protect against infectious diseases at **all stages of life** - from infants to elderly, as well as pregnant women and travelers.

The majority of Belgians will receive at least 1 GSK vaccine during their lifetime.



GSK has a vaccine for each infectious disease mentioned in the Belgian vaccination calendar.



40% of children worldwide are protected with at least one GSK vaccine.







The impact of our vaccines on global health

We focus our science on three of the biggest health challenges affecting children and young people in the developing world - HIV, TB and malaria. After more than 30 years of research by our scientists in Belgium in collaboration with international partners, the **first vaccine**, **Mosquirix**, **indicated for malaria prevention** is finally available for children living in Sub-Saharan Africa.

GSK will distribute this vaccine at **access pricing** and has committed to **donate the first 10 million doses** to WHO.

Making our vaccines available for as many people as possible

In order to increase access of our vaccines and medicines to patients, independently of their financial situation, we collaborate with partners (UNICEF, GAVI...) to set up different **help programmes**. GSK is the main vaccine supplier to these organisations.

GSK has ranked top of the **Access to Medicines Index** for the past ten years as the company contributing most to improve the access of medicines throughout the world.







7/10 of our vaccines

are distributed to developing countries where we apply a differentiated pricing policy.



400,000 people

die every year from malaria, mostly children and pregnant women... that's one child every 2 minutes.

Producing a vaccine: a long and complex process

Vaccines are **complex biological products** where the manufacturing is based on living organisms.

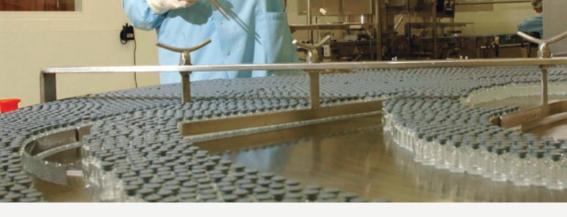
The **reproducibility** of the manufacturing process is technically complex.

The different steps of vaccine manufacturing



Cold chain ± 18-26 months





Manufacturing of the vaccine antigens

10-12 months





Quality checks all through the process

70%

of the manufacturing **process** is dedicated to quality control.

quality controls are needed for producting and before releasing a vaccine batch.









Formulation, filling and quality control

6-10 months

Quality checks:



from the producer



from the exporting country



from the importing country

GSK, a unique company in Belgium!

Unique...

... historical R&D site in Rixensart, explaining why most of our vaccines end with "-RIX".

... broadest portfolio of vaccines that help protect people throughout life against infectious disease.





... not only do we have the largest "pipeline" of vaccines, but we are also the largest vaccine manufacturer worldwide

... GSK has massively invested in R&D and infrastructure during the last decade.

... Wavre is the largest vaccine production facility in the world.









... >3.000 direct iobs created in 10 years.

... our pharmaceutical business has integrated all biopharmaceutical activities in one location (from R&D to commercialisation).









For more information, please consult our website http://be.gsk.com

Elisabeth Van Damme

Director External Communications



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