

Sciensano

Research driven by a holistic
view on health

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BAPH 2020 02 20

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What is Sciensano?



- Belgian federal health research centre, established April 2018
- Merger :  & 
CODA - CERVA
- >1 century of scientific expertise in human and animal health
- Support to policy, professionals and citizens

Our core: One health and beyond

Core: “One health” concept

Holistic view on health

Combining different research perspectives and disciplines to prevent, evaluate and mitigate health problems.

Unique contribution to health

healthy
all life
long

 sciensano

Fields of action



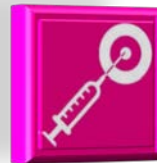
Health and disease monitoring



Food consumption and food safety



Health and environment



Effectiveness and safety of vaccines, medicines and health products –
Quality of medical laboratories

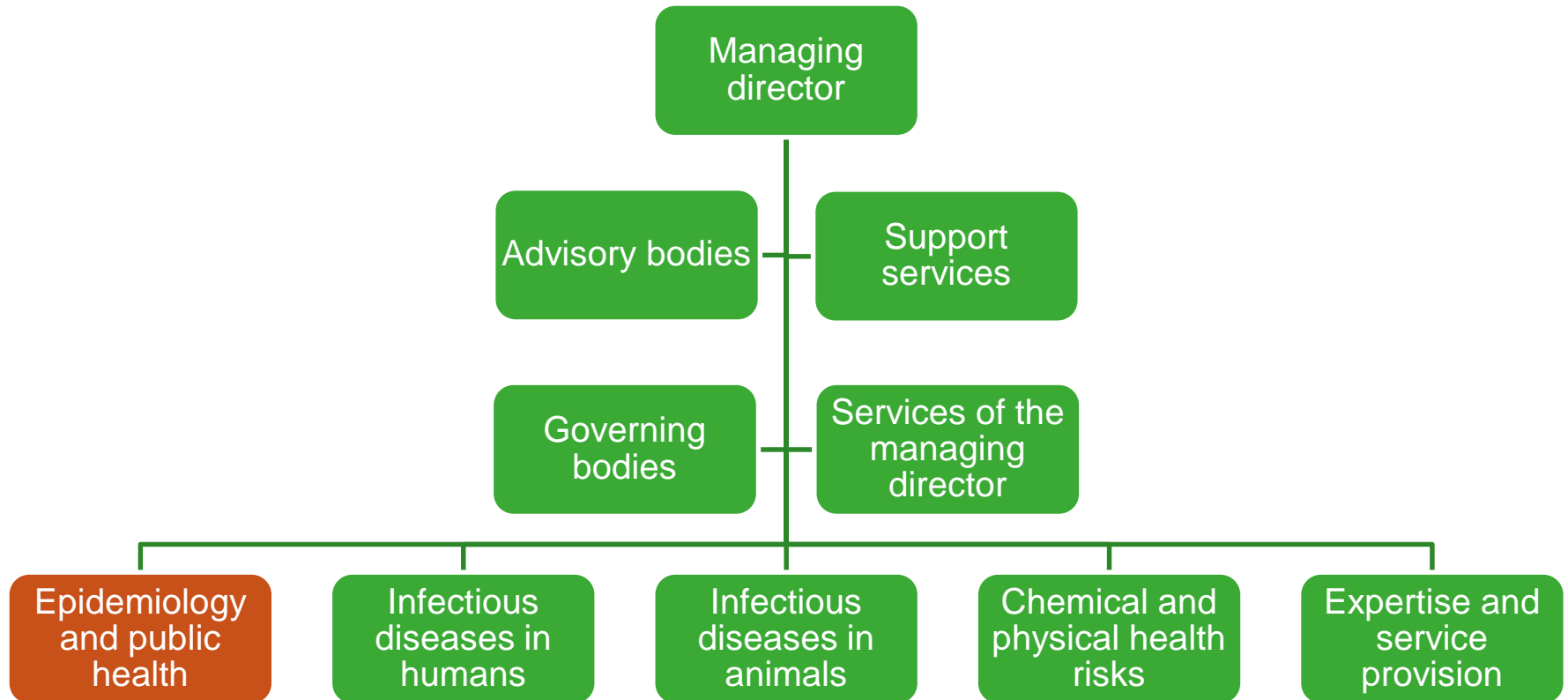


Animal health



Quality of healthcare

Organisation chart Sciensano



N = 135 (128 researchers)

Epidemiology and public health : Mission

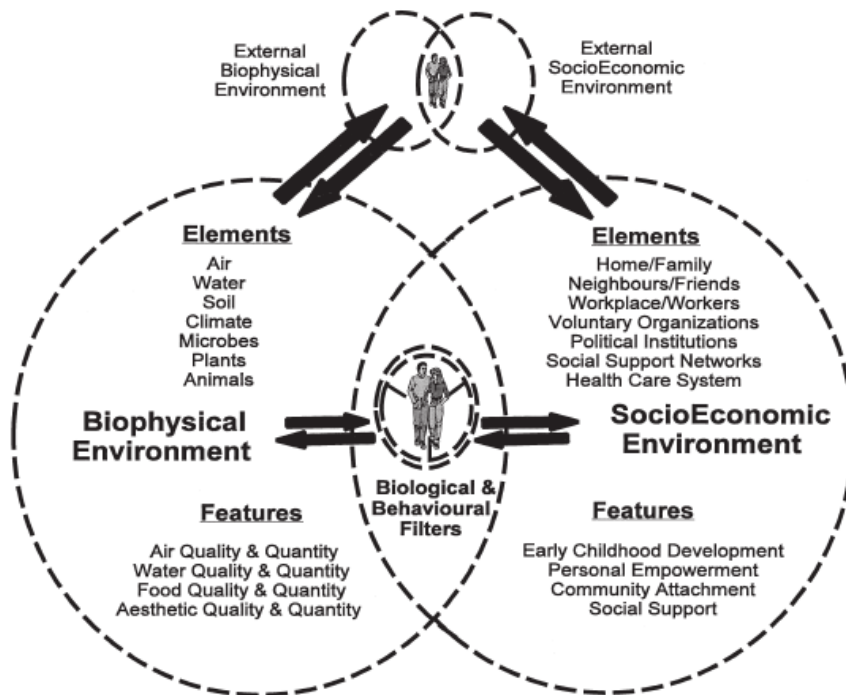
Understanding the dynamics of population health and well being

- **Health information:** health status
health determinants
- **Societal challenges:** ageing
inequities
genome knowledge
- **Health care quality**
- **Impact assessment**
- **Knowledge translation**

Increase the efficiency of health information system

- **Population**
- **Health care use**
- **Use and re-use of data (including health and non-health administrative data)**

Epidemiology and public health

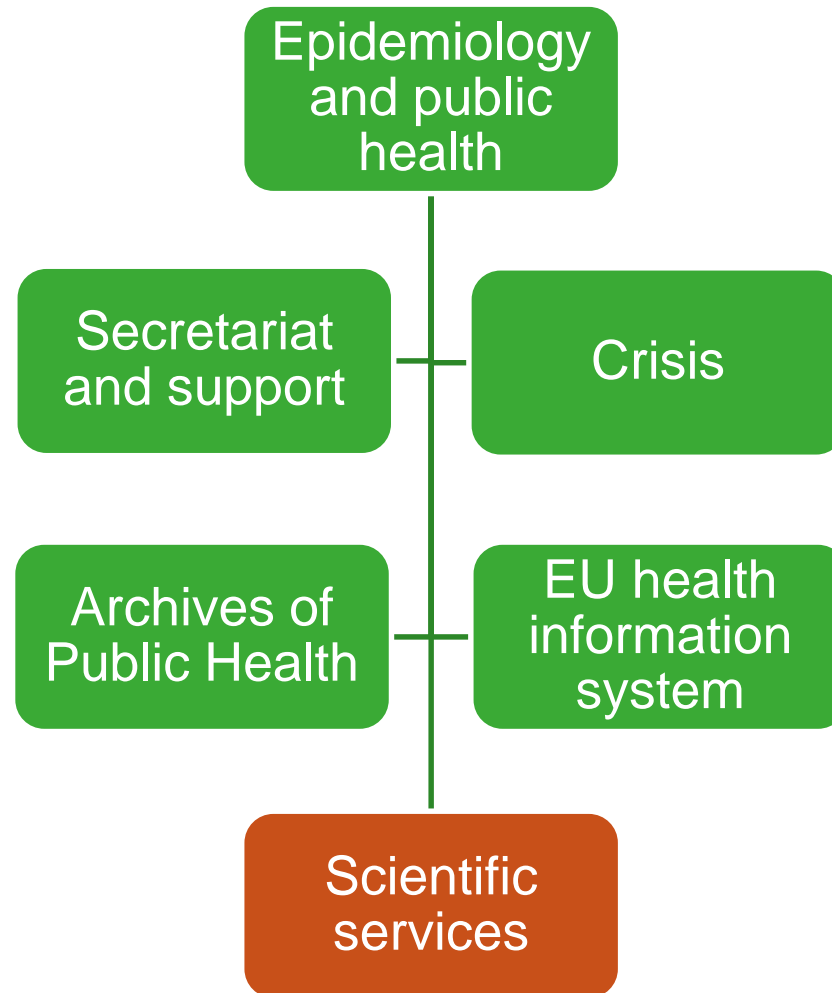


Vision : Holistic ⇔ One Health

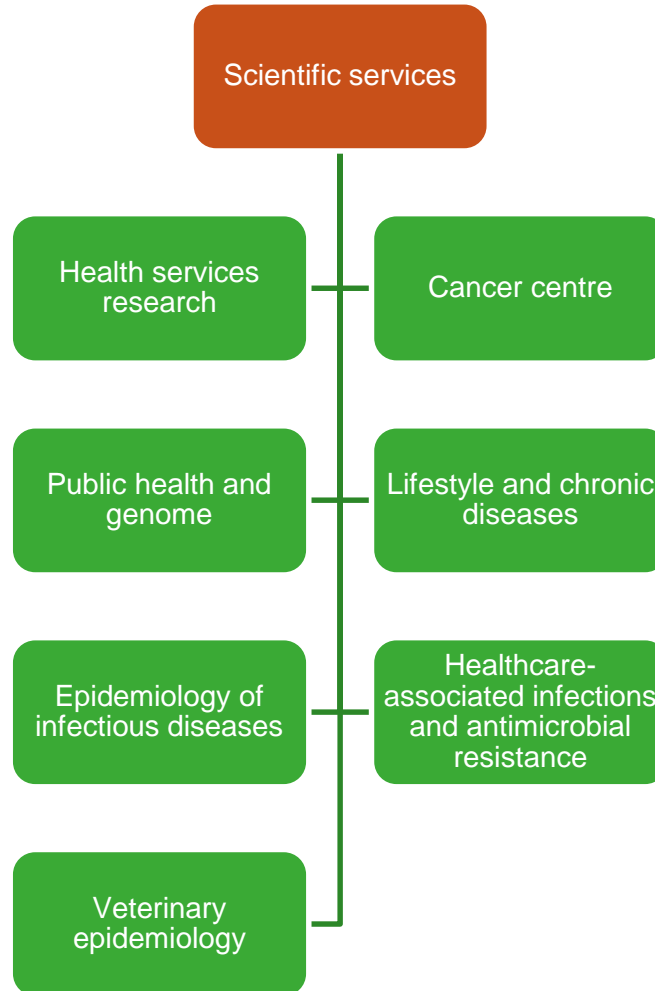
- Strong in concepts of health
- Strong in methods
- Strong in knowledge translation
- Pro-active
- Efficient

J. Van Leeuwen et al., 1999

Organisation chart



Organisation chart



Epidemiology and public health : Crisis

RISK ASSESSMENT GROUP :

- WHO International Health Regulation
- Recent : Hemorrhagic fever
COVID-19

OUTBREAK SUPPORT TEAM

- Institution oriented
- Epidemiologic and management support

Crisis preparedness:

- Epidemiologic and public health support

Veterinary health crisis

- Epidemiologic support

Epidemiology and public health : EU Health information system

InfAct JA : Information for Action

- **Set up of a research infrastructure**
 - DIPoH: Distributed Infrastructure on Population Health**
 - Towards researchers and data curators: facilitate the**
 - **Identification of data;**
 - **Access of data**
 - **Assesment of data**
 - **Reuse of data**

BACHI

Bringing a health claim to information: Measuring the impact of health data on the health outcomes of European citizens

Development of a Health Information Impact tool

Epidemiology and public health : Archives of Public Health

Springer Nature : BMC

The official journal of the Belgian Association of Public Health:

Membership discount: 20% (waiver code: **TC1600254812**)

Citation Impact

1.197 - Source Normalized Impact per Paper (SNIP)

0.853 - SCImago Journal Rank (SJR)

2.33 - CiteScore

Indexing news

PubMed, PubMed Central, and the Emerging Sources Citation Index (Web of Science).

CiteScore that ranks in **the 78th percentile** (Public health, Environmental and occupation health)

Epidemiology and public health : Archives of Public Health

Journal sections

Global nutrition

Health information systems

Health services research

Methodology

Physical activity

Ongoing Calls

Burden of disease

Digital public health (together with Globalization and Health and International Journal of Health Geographics)

Epidemiology and public health : <https://archpublichealth.biomedcentral.com/>

Articles

Recent

Most accessed

Mental wellbeing among Hispanic female domestic cleaners

Jennifer Ish, David Gimeno Ruiz de Porras and Kristina W. Whitworth

Research | 20 February 2020

Evaluating sustainability in the Childhood Obesity Research Demonstration project: the model and process

Rebecca E. Lee, Dennis Kao, Nathan H. Parker, Allen M. Hallett, Camila Y. Kochi, Maria J. Modelska, Hanadi S. Rifai and Daniel P. O'Connor

Methodology | 13 February 2020

Working towards a better understanding of type 2 diabetes care organization with First Nations communities: a qualitative assessment

Lisa A. Wozniak, Jeffrey A. Johnson and Dean T. Eurich

Research | 4 February 2020

Self-rated health and associated factors among the oldest-old: results from a cross-sectional study in Sweden

De G. Simonsen and Ann-Mari Malin

Aims and scope

Archives of Public Health is a broad scope public health journal, dedicated to publishing all sound science in the field of public health. The journal aims to better the understanding of the health of populations. The journal contributes to public health knowledge, enhances the interaction between research, policy and practice and stimulates public health monitoring and indicator development. The journal considers submissions on health outcomes and their determinants, with clear statements about the public health and policy implications. *Archives of Public Health* welcomes methodological papers (e.g., on study design and bias), papers on health services research, health economics, community interventions, and epidemiological studies dealing with international comparisons, the determinants of inequality in health, and the environmental, behavioural, social, demographic and occupational correlates of health and diseases.

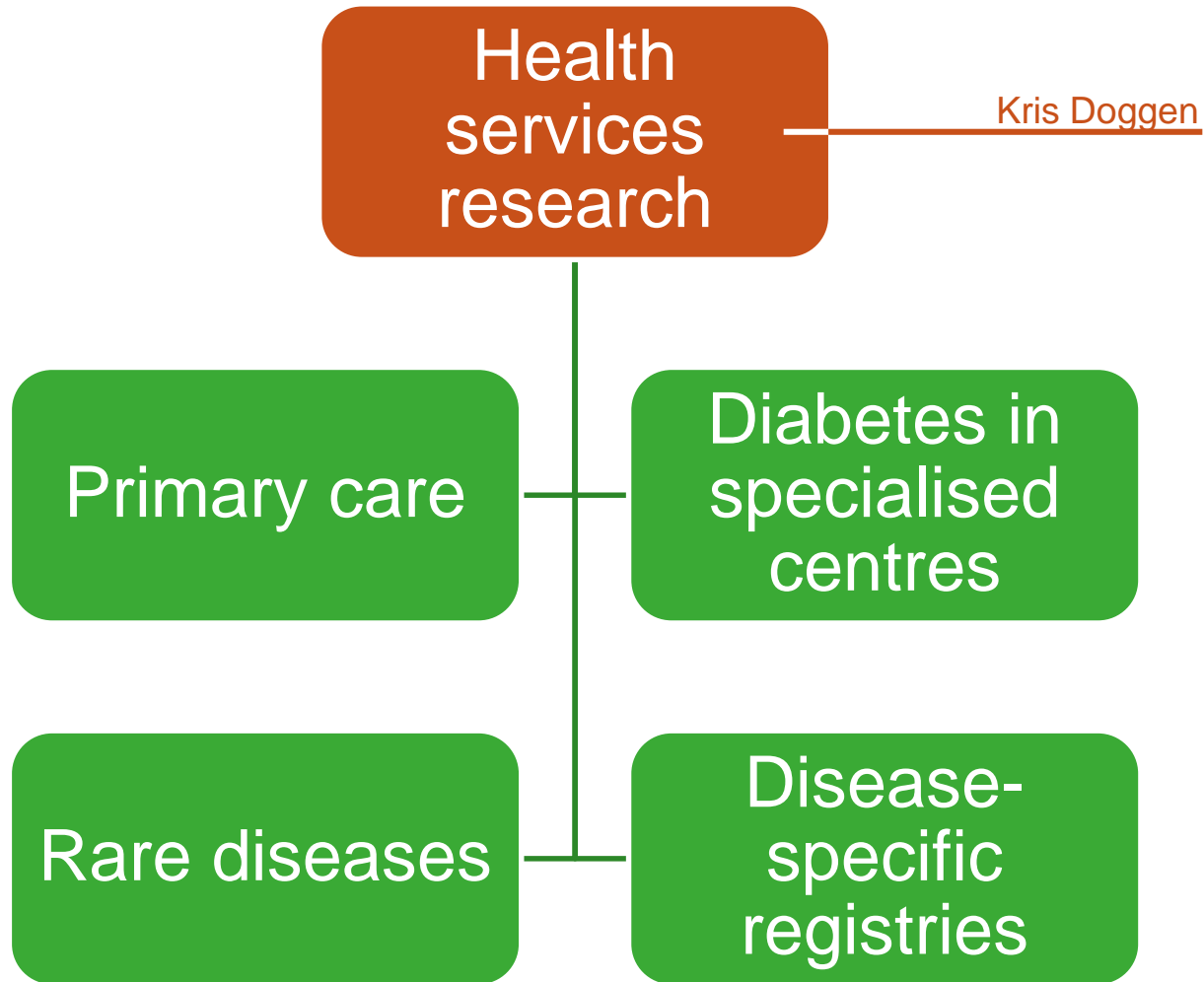
Digital public health



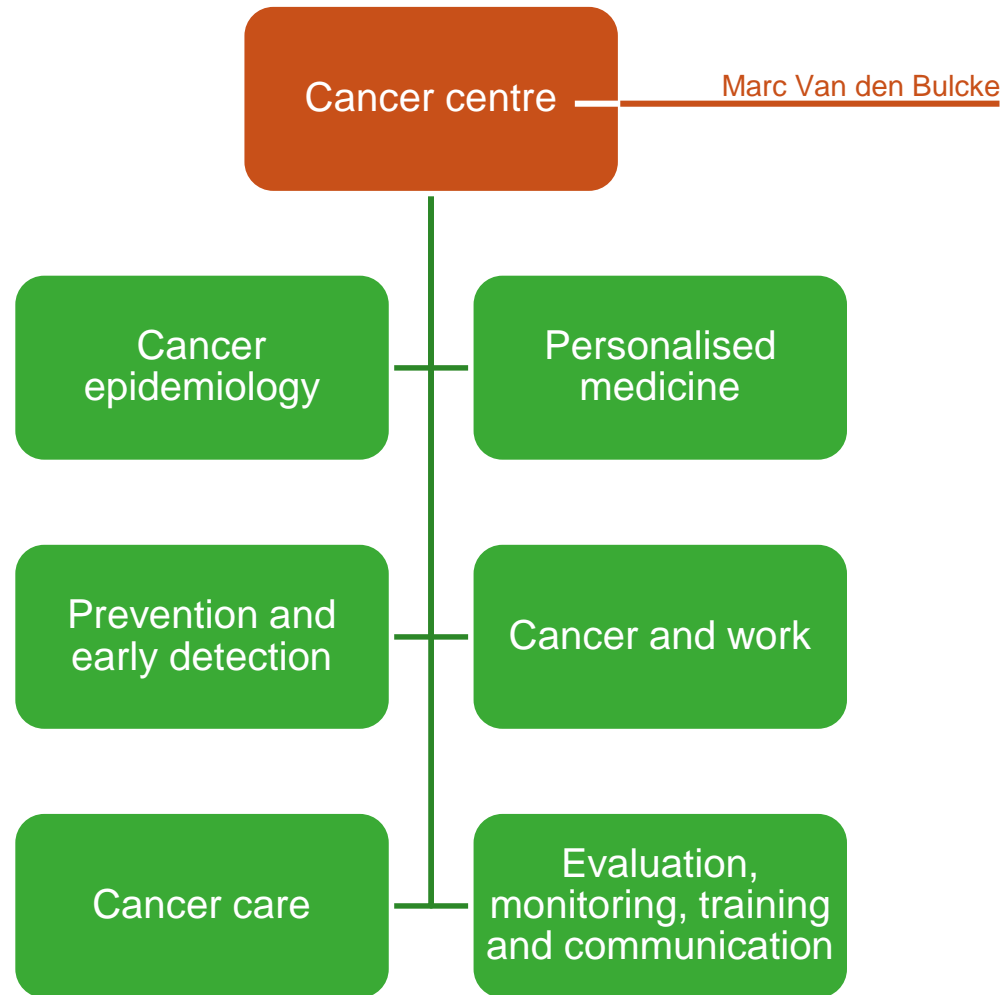
In recent years the world has seen a rapid expansion in



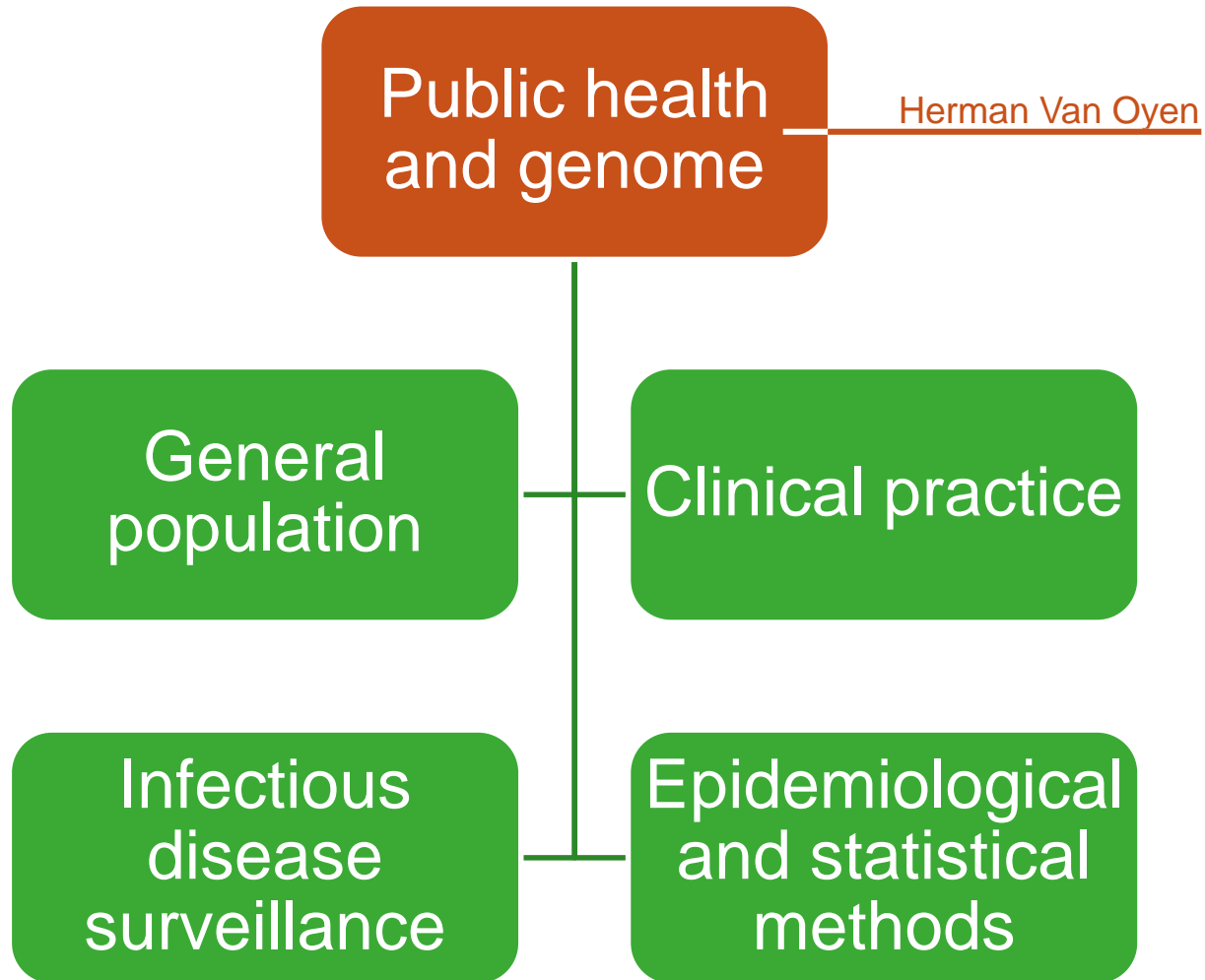
Organisation chart



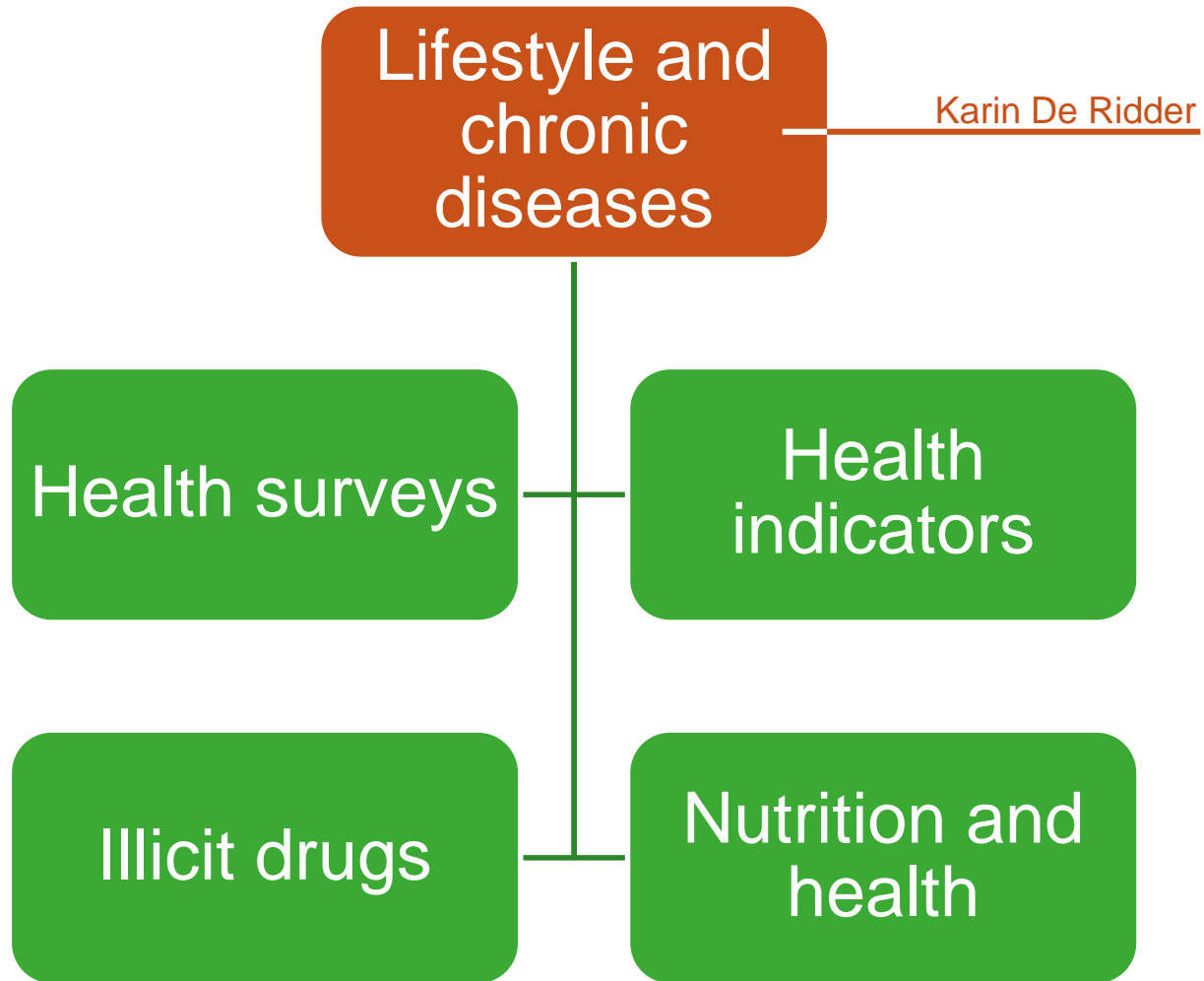
Organisation chart



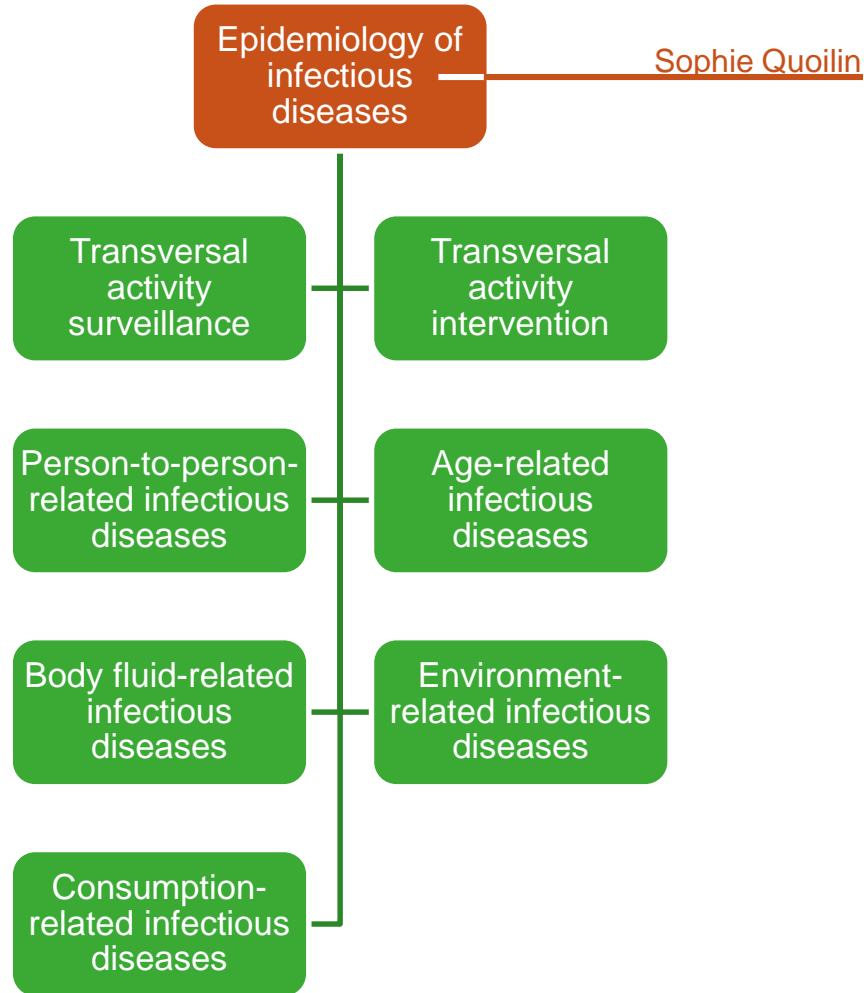
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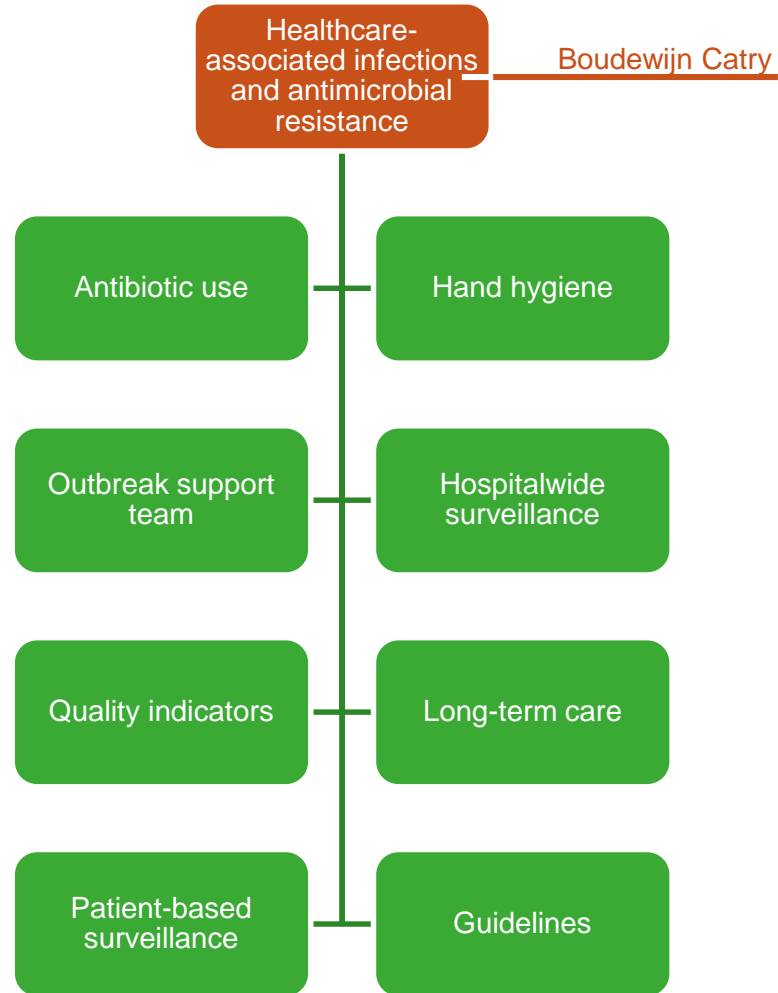
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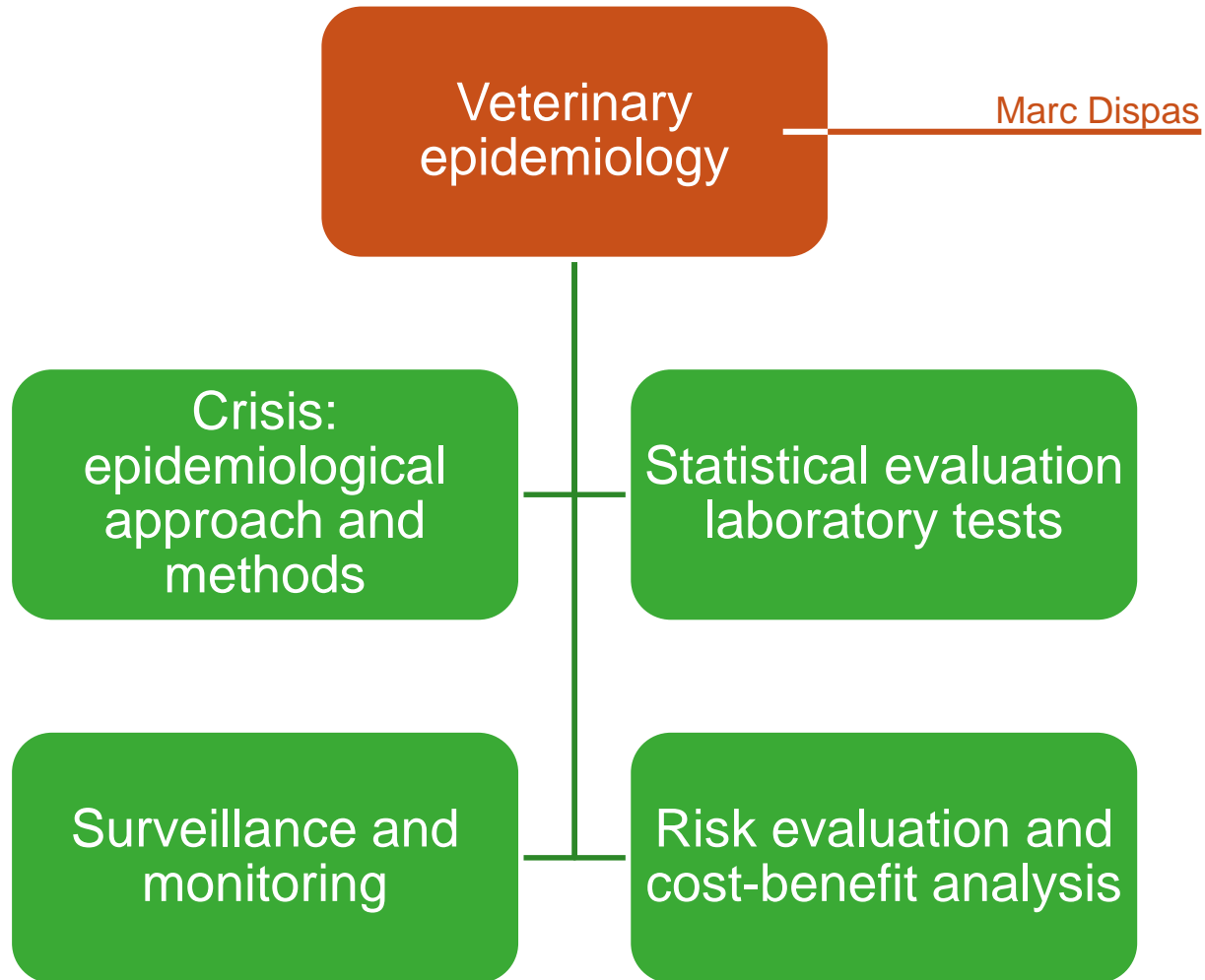
Organisation chart



Organisation chart



Organisation chart



FACTS AND FIGURES

Our directorate in numbers

121

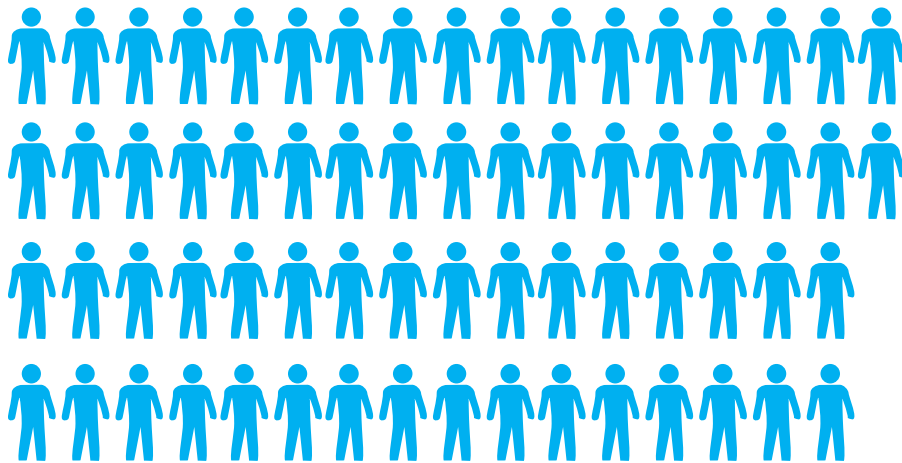
collaborators (115.25 FTE)



Our directorate in numbers

66 Dutch-speaking

French-speaking **55**



Our directorate in numbers

85 ♀

36 ♂



Our directorate in numbers

8

administrative staff



4

data managers



109

scientists



Our directorate in numbers

112 peer-reviewed international publications in 2018

PHD PROJECTS

Recently finished

2017

- Nyawira Nyaga V. (1120) - Optimisation of statistical procedures to assess the diagnostic accuracy of cervical cancer screening tests
- Yokota RTC. (1140) - Healthy Life Years and Smoking: Health Impact Assessment of tobacco control scenarios on smoking related mortality, morbidity and disability in Belgium

2018

- Kiasuwa Mbengi R. (1120) - Evolution de la position socio-économique des travailleurs belges atteints de cancer
- Moyersoem I. (1140) - Fat soluble vitamine (A, D, E and K) consumption in the Belgian population

2019

- Renard F. (1140) - Measure of changes in social inequalities for premature mortality in Belgium during the periods 1991-2000 and 2001-2010

Ongoing PhD projects

(•/••)

- Wanyama S. (1110) - The socioeconomic status (SES) and health related quality of life (HRQoL) of cystic fibrosis patients attending CF accredited reference centers in Belgium
- Latour K. (1160) - HCAI in elderly
- Demarest S. (1140) - Socio-demographic and socio-economic differences in health survey participation
- Geebelen L. (1150) - HUMTICK: Tick-borne diseases in Belgium: identifying and communicating disease burden
- Braekman E. (1140) - Web surveys as a part of a mixed-mode design for the Belgian Health Interview Survey
- Van Beckhoven Dominique (1150) - Studying the continuity of care of People living with HIV in Belgium using a national cohort of HIV-infected people to contribute to a better individual outcome and impact on the HIV epidemic.

Ongoing PhD projects

(●/●)

- Van Goethem Nina (1130) - Pathogen genomics for infectious disease surveillance and control
- Bogaert P. (1100) - ?
- Berete Finaba (1140) - Linking survey data to administrative data: potential benefits and opportunities for public health research. The case of the Belgian Health Interview Survey and Belgian compulsory national health insurance data
- Van Dam Iris (1140) - Benchmarking commitments and performance of food companies in Europe to create healthier children's food environments