



Societal impact of
Novo Nordisk Foundation
grants

Highlights for 2017



Novo Nordisk Foundation

Funding public research for more than 90 years

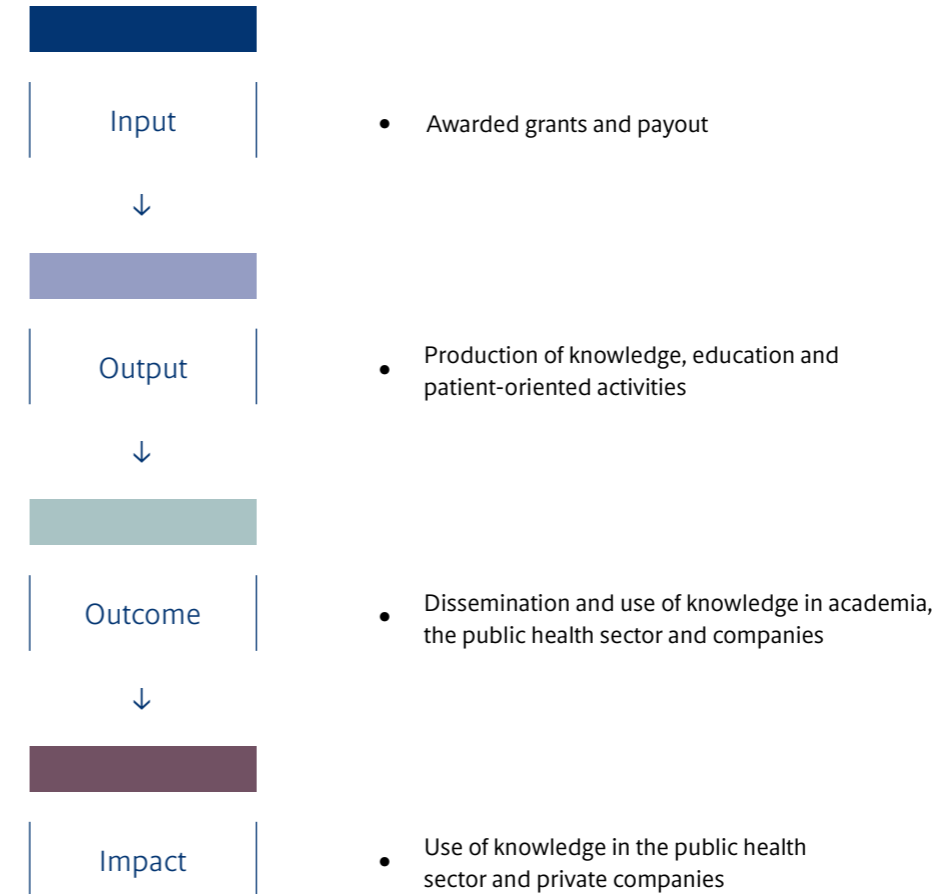
Since 1927, the Foundation has awarded grants to researchers at universities and hospitals in Denmark and the other Nordic countries. Today, the Foundation supports research in biomedicine, biotechnology, general practice, nursing, art history and scientific objectives within innovation, education and outreach as well as humanitarian and social purposes.

Advocating public research

This brochure presents some highlights from the annual impact report showing the Foundation's input of resources and the subsequent effects on research, health, and companies.

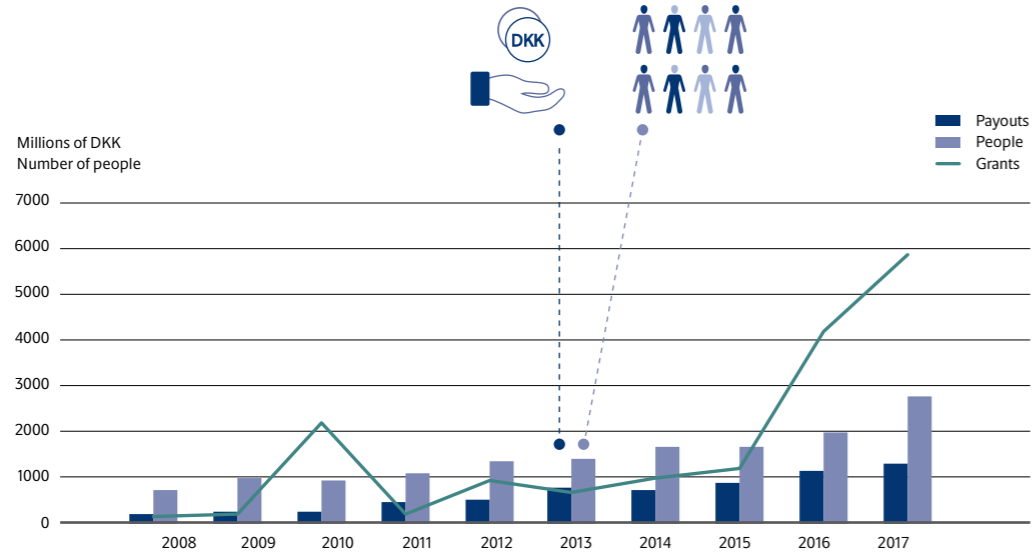
The Foundation's vision is to contribute significantly to research and development that improves the health and welfare of people

Impact model



Input

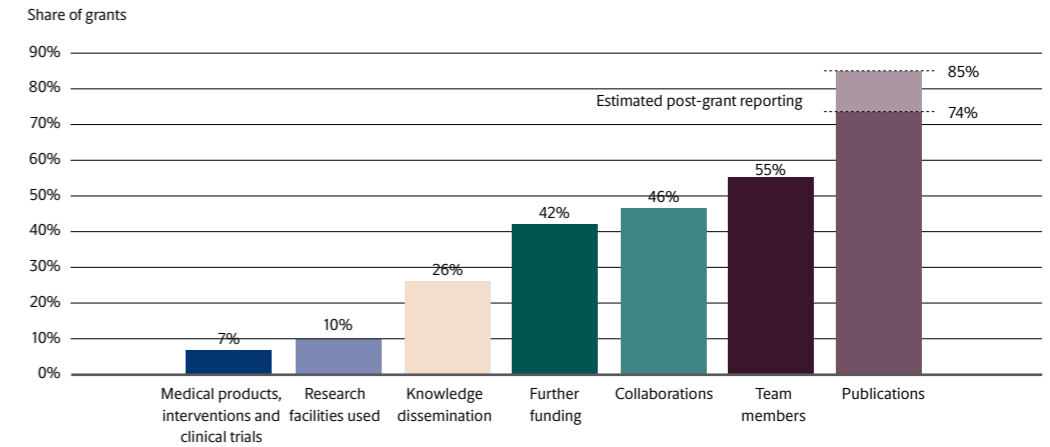
Funding research and researchers



In 2017 the Foundation awarded DKK 5.8 billion and paid out DKK 1.3 billion. Almost 2,800 people were involved in the research activities.

Output

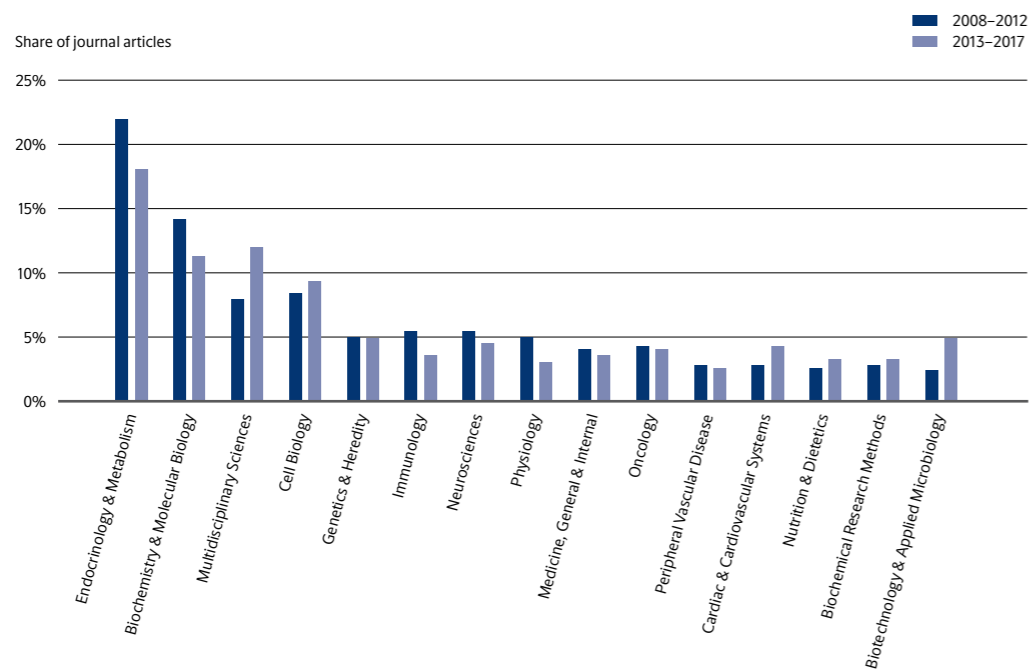
Generating outputs and outcomes



The recipients of Foundation grants have published 18,149 publications since 2000. 85% of all research grants report on publications as well as other types of output and outcome.

Output

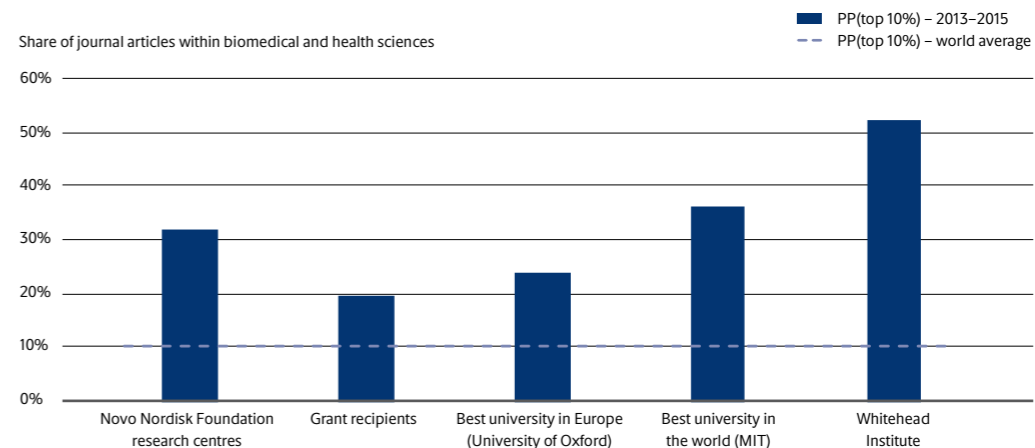
Research focus changes over time



Strategic changes to the grant-awarding policy embrace more scientific fields, changing the balance from endocrinology & metabolism and biochemistry & molecular biology to other scientific fields. Grant recipients published about 3,400 journal articles in 2008-2012 and 6,600 in 2013-2017. In 2016, grant recipients published 8% of the total publications in Denmark.

Outcome

Other researchers use the findings



69%
of the research grants
deliver well-cited research

20% of journal articles from grant recipients within biomedical and health sciences and 23% of journal articles from all research grants are among the 10% most frequently cited worldwide in 2013-2015.

69% of the research grants result in frequently cited journal articles.

Output

Outcome

Dissemination and use of knowledge in the public health sector

Public research activity



Research activity conducted by the recipients of Foundation grants and published in journals. Grant recipients have published 14,429 journal articles since 2000.

Publications reported by the grant recipients are well cited in guidelines from Denmark, the other Nordic countries, the United Kingdom and the United States and in guidelines by international organizations in 2000–2016.

Clinical guidelines



53% of the diabetes guidelines and 18% of the cardiovascular disease guidelines in Denmark and elsewhere reference journal articles by recipients of Foundation grants.

Impact

General practitioners



General practitioners continuously update their knowledge from multiple sources.

79% of general practitioners acquire knowledge about the treatment of diabetes and cardiovascular diseases from clinical guidelines; 65% acquire knowledge from journals, and 28% from journal articles.

Patients



74% of the general practitioners say that clinical guidelines have resulted in more uniform treatment of their patients.

23% of the general practitioners say that using clinical guidelines has improved the health of their patients, and 33% say that using guidelines has made treatment more effective.

Output

Output

Outcome

Dissemination and use of knowledge in companies

Public research activity

Collaboration

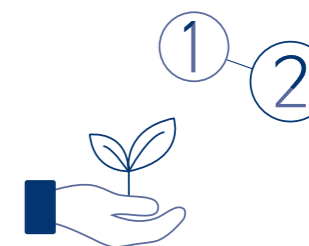


Public research funded by the Foundation.

In 2017, recipients of Foundation grants collaborated with 266 companies in 351 collaborations; 26% of the companies were Danish.

Journal articles

Patent activities and citings



Grant recipients publish their research in scientific journals.

Industrial researchers co-authored 11% of Foundation-funded journal articles.

1 of 16 funded journal articles cited in patent applications and patents.

2,600 citings of funded journal articles in more than 2,100 patent applications and patents.

Recipients of Foundation grants reported 115 patent applications and 13 patents between 2013 and 2017.



Creating knowledge Improving health

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