



The Netherlands Brain Bank (NBB, www.brainbank.nl) is a non-profit organization that collects human brain tissue of donors with a variety of neurological and psychiatric disorders, but also of non-diseased donors. This brain tissue, together with an anonymized summary of a donor's medical record, is sent to scientific researchers worldwide, with the ultimate aim of increasing our understanding of the human brain and to develop therapies for neurological and psychiatric diseases. The NBB is a department of the [Netherlands Institute for Neuroscience \(NIN\)](http://www.knaw.nl), an institute of the [Royal Netherlands Academy of Arts and Sciences \(KNAW\)](http://www.knaw.nl).

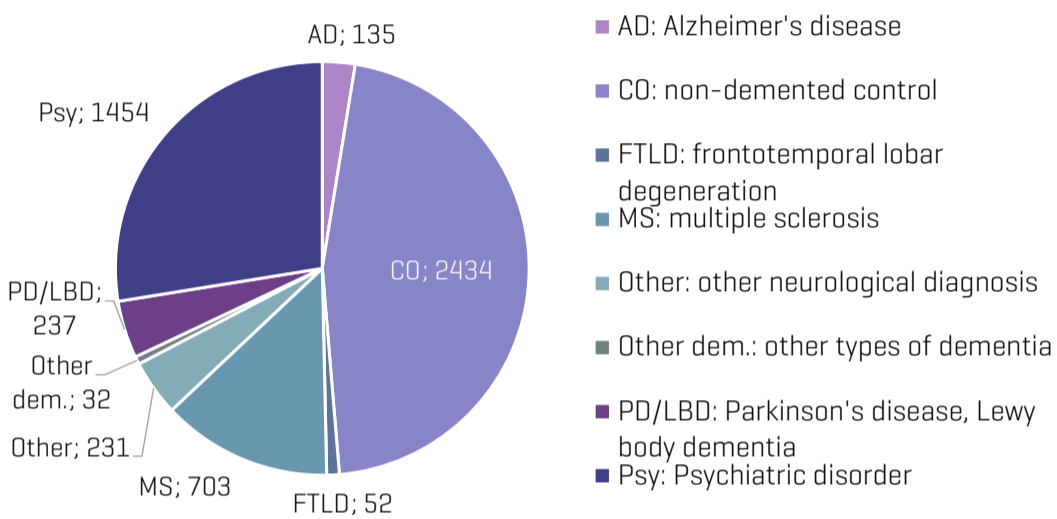
NETHERLANDS BRAIN BANK

PROGRESS REPORT 2021

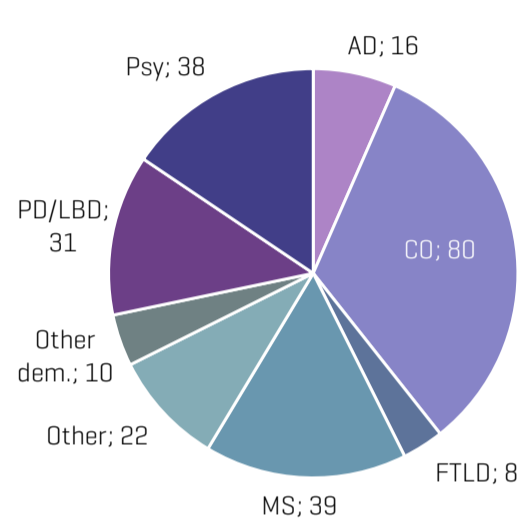
DONOR REGISTRATIONS

The NBB has a prospective donor program, registering donors during life via informed consent.

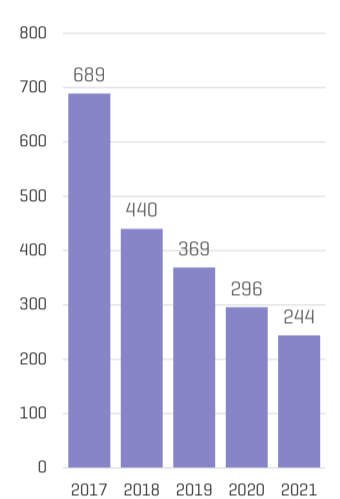
Registered donors on 31-12-2021, n=5278



New registrations in 2021, n=244



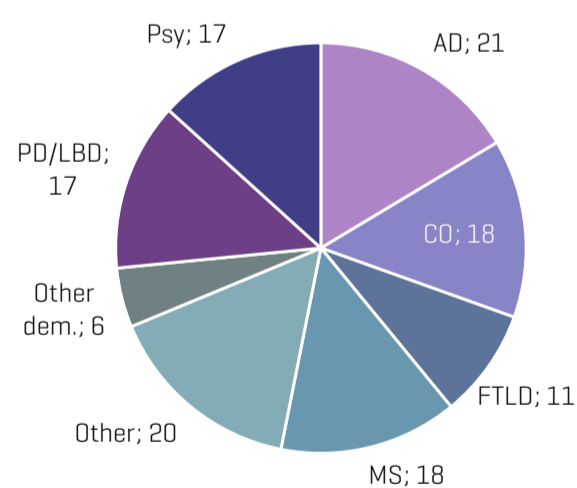
New registrations in 2017-2021



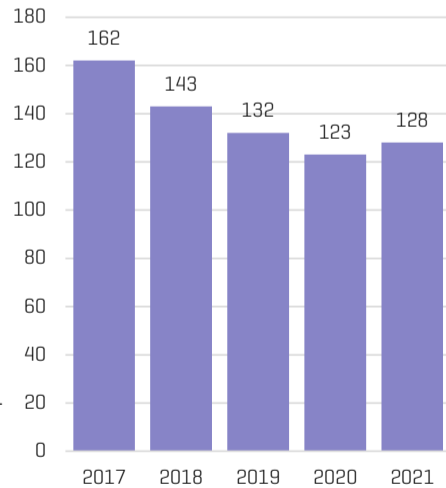
AUTOPSIES

Autopsies and post-mortem diagnostics are performed at Amsterdam UMC (AUMC), location VUmc, in cooperation with neuropathologists and mortuary assistants of AUMC, and the NBB autopsy team. The names of all NBB and involved AUMC personell can be found on our [website](http://www.brainbank.nl). Since the start of the NBB in 1985 a total of **4830** have been performed, as of 31-12-2021.

Autopsies in 2021, n= 128



Autopsies in 2017-2021



Autopsies are performed 24/7. The average post-mortem delay in 2021 is **6 hours, 49 minutes**.

FINANCES

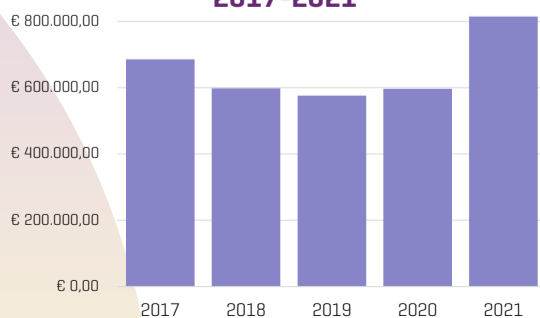
Besides the structural support the NBB receives as part of the NIN, the NBB is entirely dependent on grants, donations and the financial contributions from the researchers who receive tissue. In 2021 the costs of the NBB were € 1,2 mln.

stichting research
€542.500 for 2019-2023,
NBB-MS

€300.000 for 2020-2024,
NND

€3,45 mln for 2012-
2022, NBB-Psy

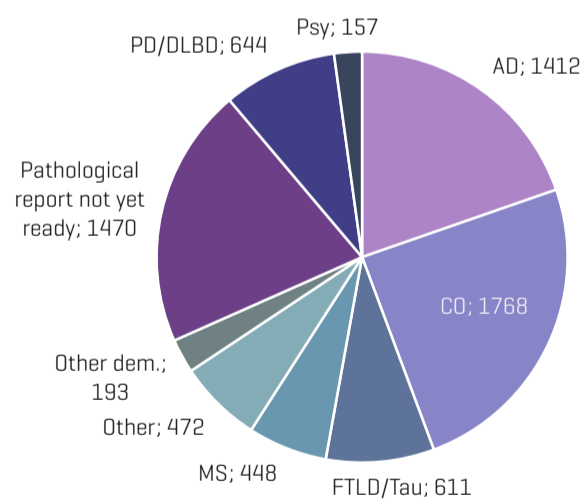
Financial contributions from researchers,
2017-2021



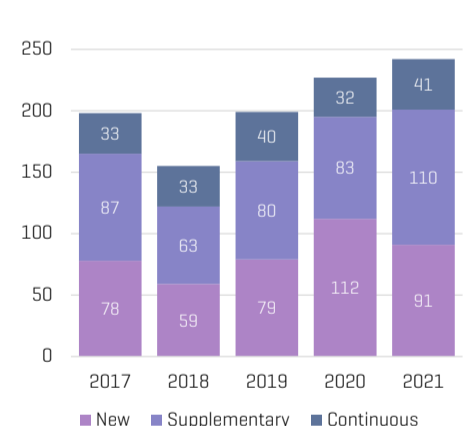
TISSUE SUPPLY

In 2021 the NBB supplied tissue to **91** new projects, to **110** supplementary projects which also received tissue in previous years, and **41** continuous projects that receive fresh tissue at each autopsy. Continuous projects that received tissue more than once per year, are only counted once.

Disseminated tissue samples in
2021, n=7175



No. of projects receiving tissue in
2017-2021



PUBLIC RELATIONS



1 podcast



2 newspaper/
magazine articles



3 online articles



6 appearances on
events/lectures

PUBLICATIONS

In 2021 a total of **144** publications resulted from research using NBB tissue. Additionally, there were **12 publications** with NBB as **corporate co-author**, incl. the publications below. All publications can be found on our [website](http://www.brainbank.nl).

- Berdenis van Berlekom, A., et al. (2021). *Epigenomics*
- Ganz, A.B., et al. (2021). *Alzheimer's & Dementia*
- Giannini, L.A., et al. (2021). *Alzheimer's & Dementia*
- Grochowska, M. M., et al. (2021). *Acta Neuropathologica*
- Pihlstrøm, L., et al. (2021). *MedRxiv*
- Snijders, G. J. L. J., et al. (2021). *Molecular Psychiatry*
- Zhang, M. et al. (2021). *Alzheimer's & Dementia*



NETHERLANDS
INSTITUTE
FOR NEUROSCIENCE
Master the mind

