



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

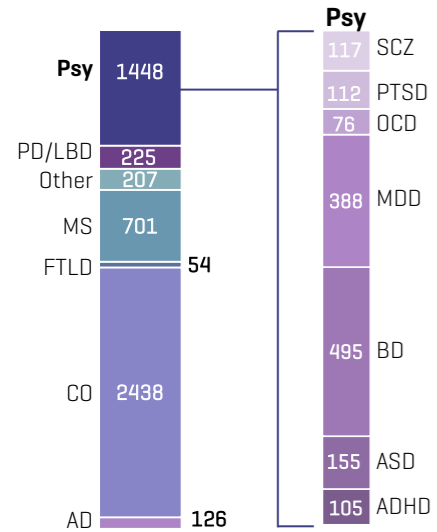
PROGRESS REPORT 2022

Abbreviations:

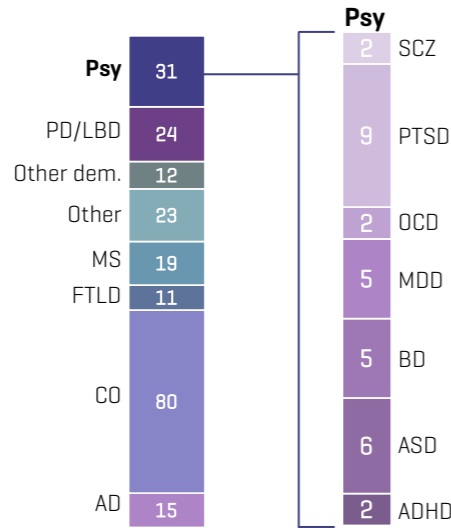
- AD:** Alzheimer's disease
- CO:** Non-demented control
- FTLD:** Frontotemporal lobar degeneration
- MS:** Multiple sclerosis
- Other:** Other neurological diagnosis
- Other dem.:** Other type of dementia
- PD/LBD:** Parkinson's disease/Lewy body dementia
- Psy:** Psychiatric disorder
- ADHD:** Attention deficit hyperactivity disorder
- ASD:** Autism spectrum disorder
- BD:** Bipolar disorder
- MDD:** Major depressive disorder
- OCD:** Obsessive compulsive disorder
- PTSD:** Post traumatic stress disorder
- SCZ:** Schizophrenia
- PANR:** Pathological report not ready

REGISTRATIONS

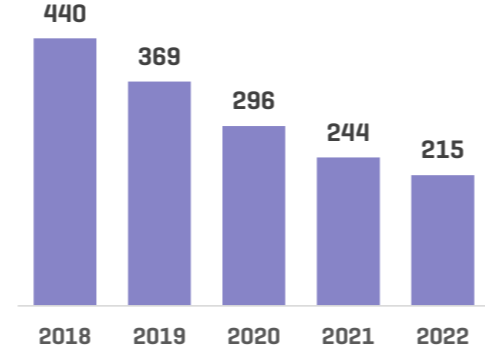
Total registered donors (n=5199)



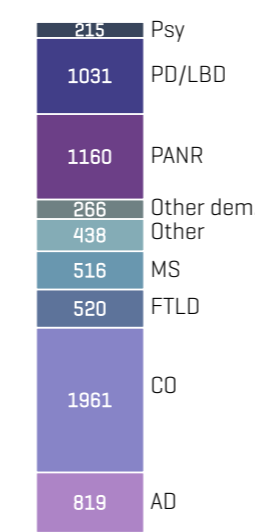
New donors registered in 2022 (n=215)



Annual new registrations 2018-2022

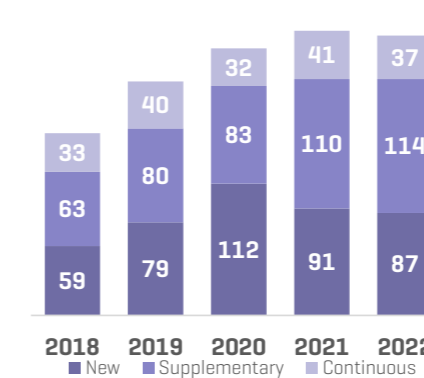


Disseminated tissue samples in 2022, n=6926

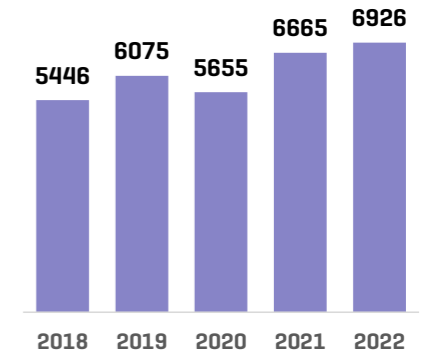


In 2022 the NBB supplied tissue to **87** new projects, to **114** supplementary projects which also received tissue in previous years, and **37** continuous projects that receive fresh tissue (PANR) at each autopsy. Continuous projects that received tissue more than once per year, are only counted once.

Projects receiving tissue in 2018-2022

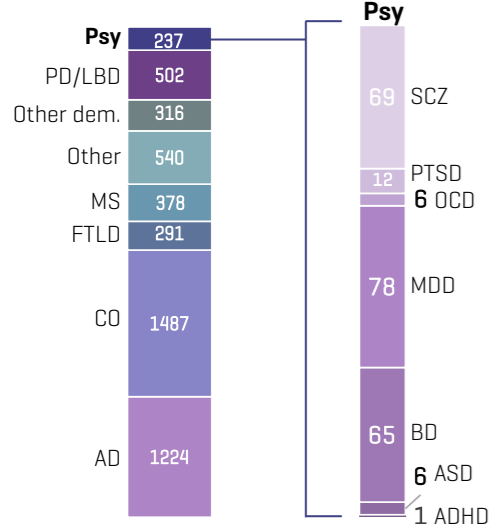


Annual disseminated tissue units in 2018-2022

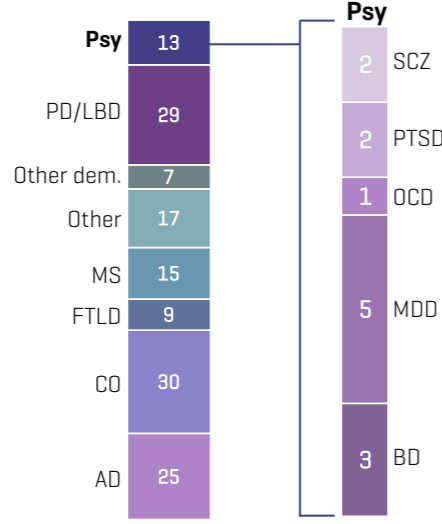


AUTOPSIES

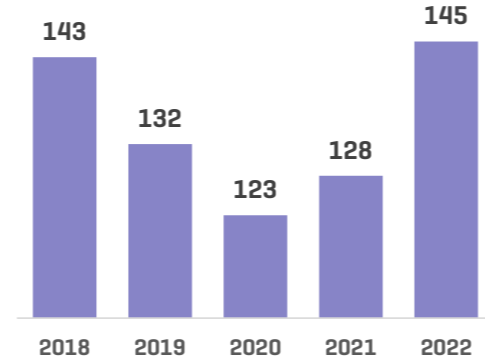
Total autopsies (n=4975)



Autopsies in 2022 (n=145)



Annual no. of autopsies 2018-2022



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 **4975** have been performed, as of 31-12-2022.



Autopsies are performed 24/7. The average post-mortem delay in 2022 is **6 hours, 45 minutes**.

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 2022 the costs of the NBB were **€ 1,69 mln.**

Grants

2019-2023: €542 K

2012-2022: €3,45 mln.



2020-2024: €300 K



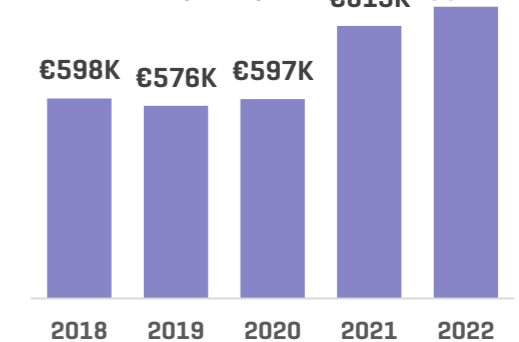
2022-2023: €100 K



2022-2024: €120 K

Philanthropic fund 2022: €303 K

Financial contributions from researchers 2018-2022 (in K€)



PR ACTIVITIES



4 articles



3 radio commercials



4 events



1 TV commercial

A list of all publications from 2022 that resulted from research using NBB tissue, a total of **147**, can be found on our [website](http://www.brainbank.nl).

Publications in 2022 with NBB as **corporate co-author (n=9)**:

- Gami-Patel et al., (2022) Neuropathology and Applied Neurobiology
- Giannini, L.A.A. et al., (2022) Acta Neuropathologica
- Mol, M.O. et al., (2022) Alzheimer's Research & Therapy
- Niklasson, B. Et al., (2022) Microorganisms
- Pocevičiūtė, D. et al. (2022) Alzheimer's Research & Therapy
- Scarioni, M. et al. (2022) Brain
- Scholtens, L.H. et al. (2022) Journal of Neuroscience
- Wennström, M. et al. (2022) Acta Neuropathologica Communications
- Zhang, M. et al. (2022) Alzheimer's & Dementia