



The Netherlands Brain Bank [NBB, [www.brainbank.nl](http://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), an institute of the Royal Netherlands Academy of Arts and Sciences [KNAW].

# NETHERLANDS BRAIN BANK

## PROGRESS REPORT 2023

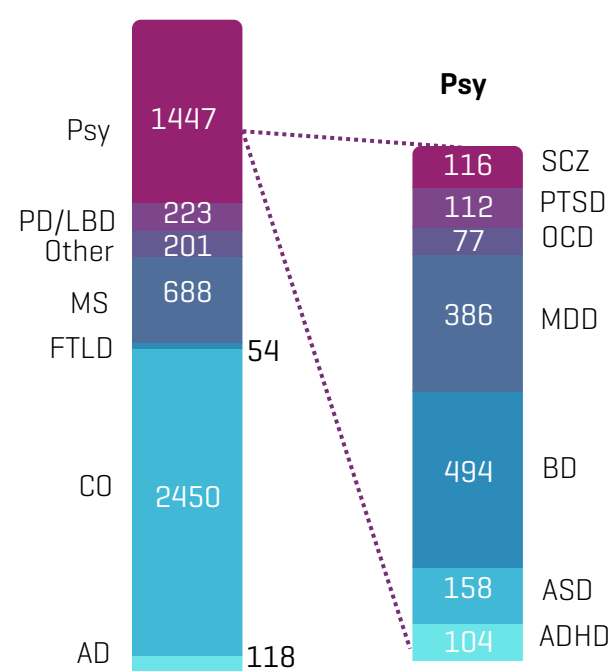
### Abbreviations:

- 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

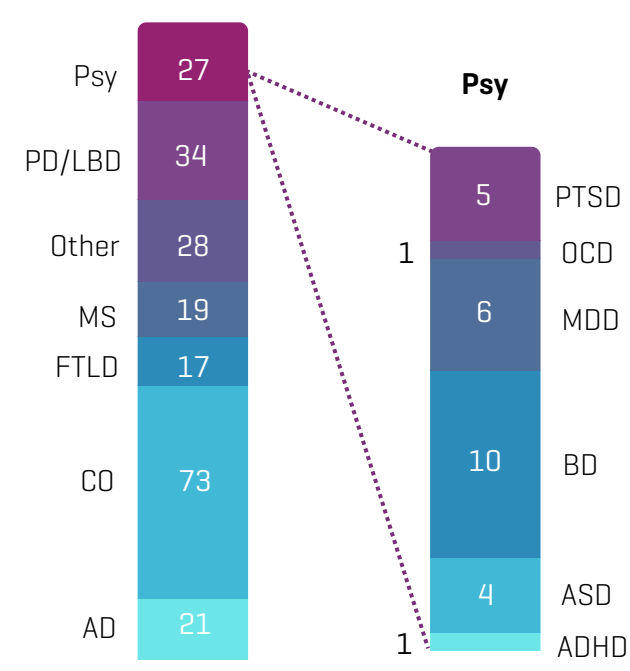


## REGISTRATIONS

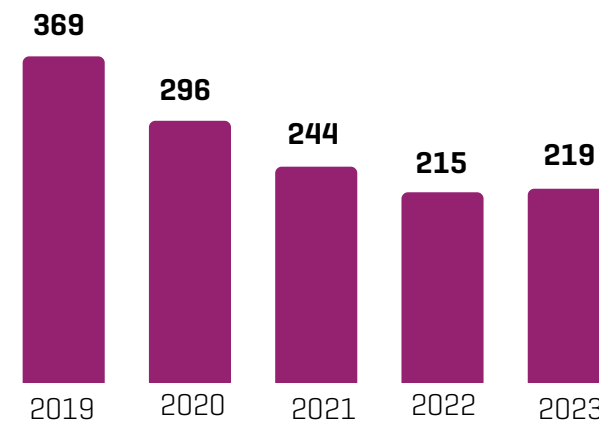
### Total registered donors (n=5181)



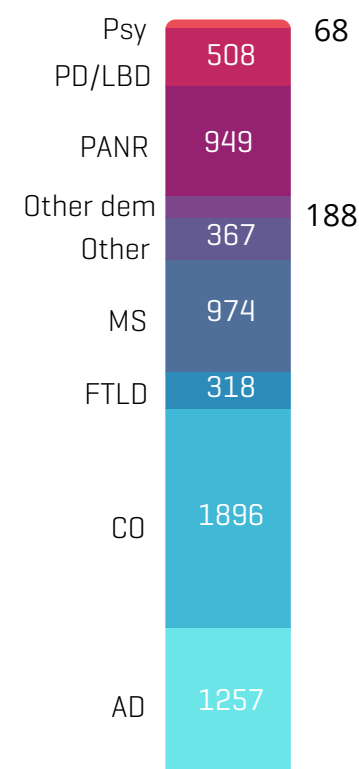
### New donors registered in 2023 (n=219)



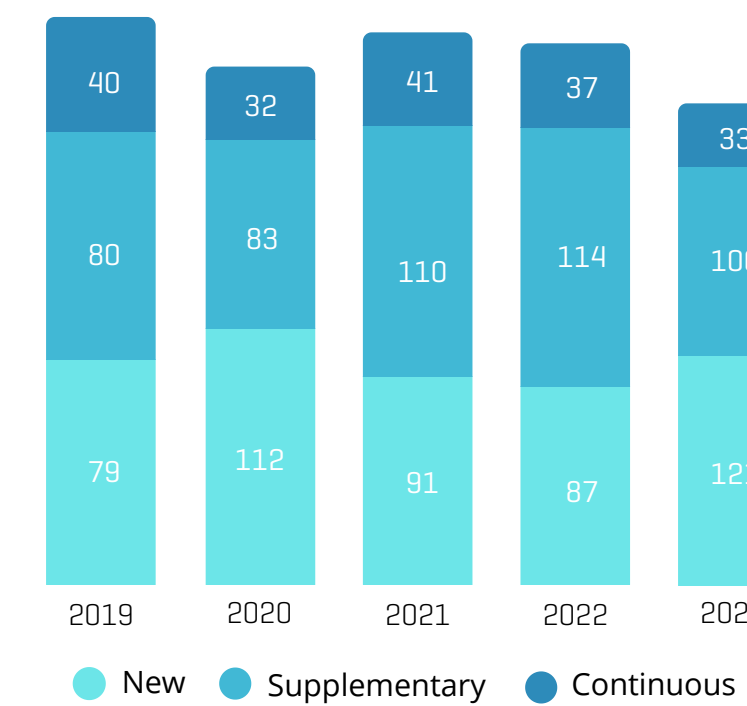
### Annual new registrations



### Disseminated tissue samples in 2023 (n=6525)



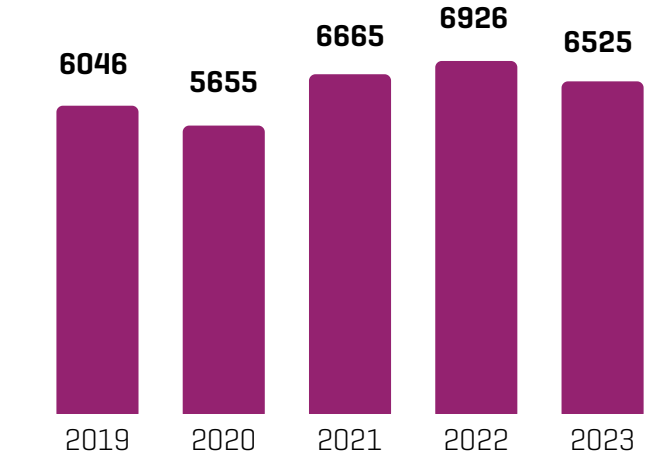
### Projects receiving tissue



## TISSUE SUPPLY

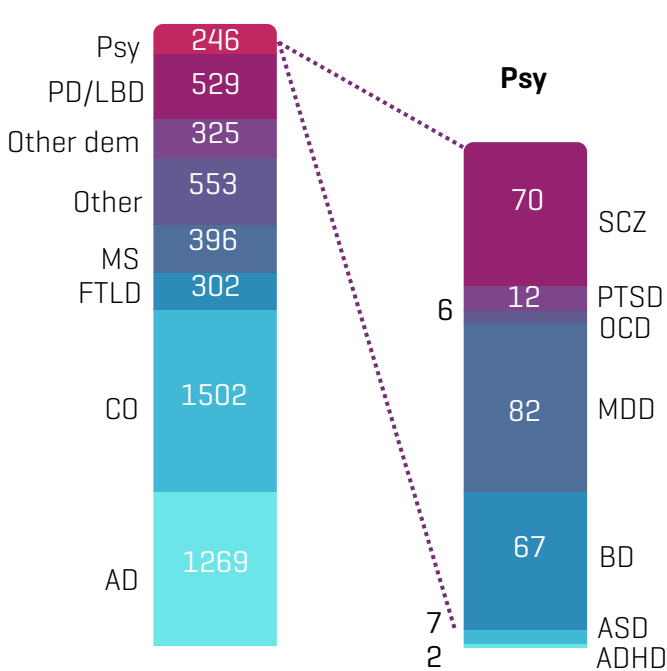
In 2023 the NBB supplied tissue to 121 new projects, to 100 supplementary projects which also received tissue in previous years, and 33 continuous projects that receive fresh tissue [PANR] at each autopsy. Continuous projects that received tissue more than once per year, are only counted once.

### Annual disseminated tissue units

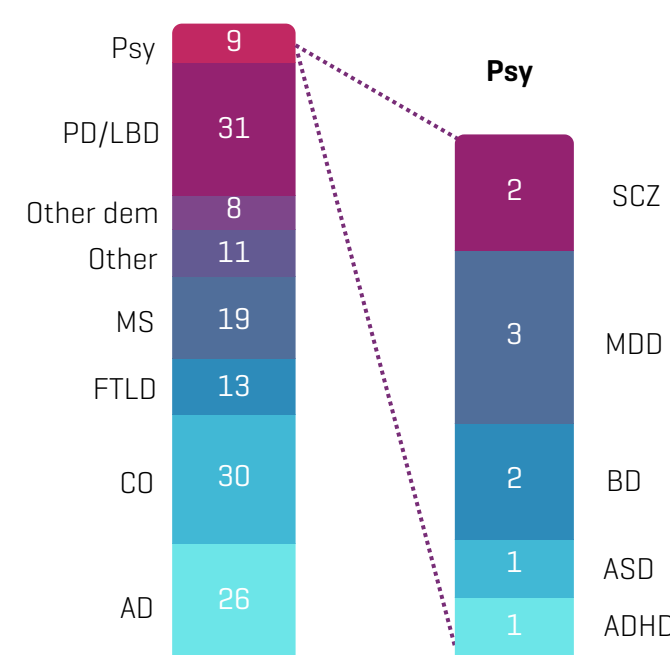


## AUTOPSIES

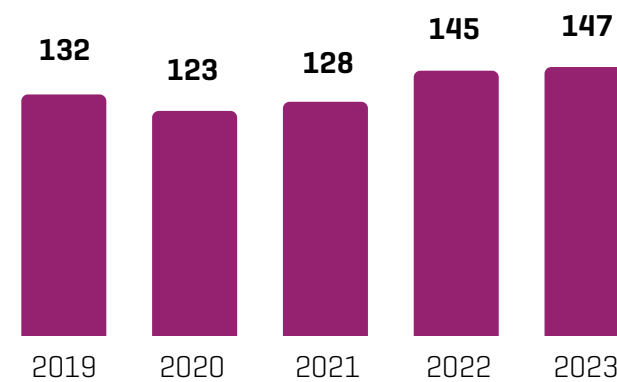
### Total autopsies (n=5122)



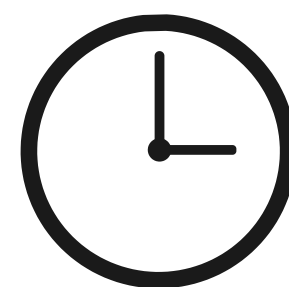
### Autopsies in 2023 (n=147)



### Annual no. of autopsies 2019-2023



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. Since the start of the NBB in 1985 a total of 5122 have been performed, as of 31-12-2023.



Autopsies are performed 24/7. The average post-mortem delay in 2023 is 6 hours, 45 minutes.

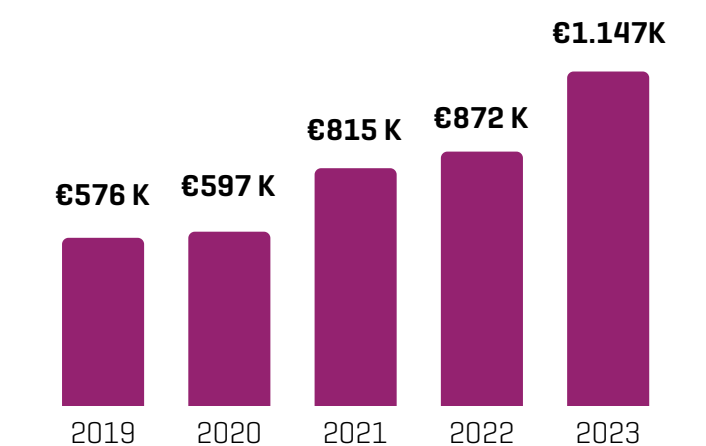
## FINANCES

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 2023 the costs of the NBB were € 1,66 mln.

### Grants



### Cost recovery



## PR ACTIVITIES



## SCIENTIFIC PUBLICATIONS

A list of all publications from 2023 that resulted from research using NBB tissue, a total of 147, can be found on our website.

Publications in 2023 with NBB as corporate co-author (n=9):

- Fiondella, L., et al., Acta Neuropathologica Communications
- Ganz, A. B., et al., medRxiv
- Giannini, L. A., et al., Acta Neuropathologica Communications
- Hart de Ruyter, F. J., et al., Acta Neuropathologica
- Nuñez-Díaz, C., et al., Molecular Brain
- Pocevičiūtė, D., et al., International Journal of Molecular Sciences
- Rohde, S. K., et al., Alzheimer's & Dementia
- Rohde, S. K., et al., medRxiv
- Scarioni, M., et al., Brain