

Annual
Report
2025



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Basic details

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Profile

The National Institute of Mental Health (NUDZ) is a modern institution combining research and clinical practice. It serves as a centre for basic, experimental and applied research into the neurobiological and psychosocial mechanisms underlying the onset and course of the most severe mental disorders, and develops and tests new diagnostic and treatment methods. It also provides analyses and expert advice to public authorities, particularly on the organisation of mental health care and the ongoing reform of psychiatric care, while contributing to the development of the field and public understanding of it. The institute's clinical division provides standard and highly specialised inpatient and outpatient psychiatric care. As the Department of Psychiatry and Medical Psychology of Charles University's Third Faculty of Medicine, it delivers undergraduate and postgraduate education in psychiatry, psychology and neuroscience. Directly overseen by the Czech Ministry of Health, the institute was established on 1 January 2015 through the transformation of the Prague Psychiatric Centre. Its premises were built under the OP VaVpI project (CZ.1.05/2.1.00/03.0078), with total funding of CZK 971,000,000: CZK 825,350,000 from the European Regional Development Fund and CZK 145,650,000 from the Czech state budget.

Editorial

Dear colleagues, friends and partners,
With respect and pride in the entire team at the National Institute of Mental Health, I look back on 2025 – a year of systematic work, patient efforts to connect science with clinical practice, and responsible service to the public and the professional community.

Our research teams continued to advance knowledge in psychiatry, psychology and neuroscience, with a focus on translating their findings into everyday care – whether through innovations in diagnosis and treatment, stronger prevention programmes, or high-quality education for professionals across disciplines. Supporting the tools that underpin the mental health care system remained an essential part of our work: standards, methodologies and data infrastructures that facilitate informed decision-making at every level of care.

In 2025, we further strengthened the Institute's role as an expert guarantor and active contributor to the National Mental Health Action Plan. We contributed to the analytical and methodological groundwork for key measures, helped evaluate their impact, and provided expertise to interministerial working groups tasked with translating psychiatric care reform in the Czech Republic from strategy into everyday practice. The Action Plan is more than a document – it is a process, and the Institute's role within it extends beyond the boundaries of a single institution: we are a place where society's commitment to change meets scientific evidence and clinical experience. At a time when Czech psychiatry is in the midst of a demanding reform process, we see our role as a responsibility that we take seriously.

The past year was also one of consolidation and further development of our institutional capacity. Drawing on lessons from the challenging situations of previous years, we continued to refine procedures for providing timely, coordinated and sensitive support to people affected by events with consequences for mental health – with an emphasis on respect for individual dignity and shared responsibility across government departments, academia and civil society. At the same time, we remained mindful of those who provide care. Supporting our employees' mental well-being, ensuring a high-quality working environment and managing our operations efficiently are not peripheral concerns; they are essential to sustaining the Institute's excellence.

Today, the Institute is a place where science, clinical expertise and public service come together. In 2025, we continued to fulfil this threefold mission: we published scientific papers in international peer-reviewed journals, secured prestigious competitive grants from Czech and European funding bodies, contributed to the development of clinical practice guidelines, and trained tens and hundreds of professionals from across the country. Equally important was our role in raising public awareness and reducing the stigma surrounding mental health – through open, informed dialogue with the public, schools, patient and carer organisations, and the media. We believe that combining excellent research, accessible and high-quality care, and clear public communication offers the most reliable path towards a more resilient and better-informed society.

The annual report you are now opening is a record of what we have achieved together. It also represents a commitment for the year ahead. I thank all the Institute's employees for their professionalism, humanity and daily dedication, which give this work its true meaning. I thank our founding authority – the Ministry of Health of the Czech Republic – for its institutional support and trust. Special thanks go to our longstanding academic partner, the Third Faculty of Medicine at Charles University, whose collaboration connects research with the undergraduate and postgraduate education of a new generation of specialists in psychiatry and neuroscience, and which is an indispensable part of our shared academic mission. And I thank our extensive network of partners at home and abroad for their cooperation, without which much of what we present here would not have been possible.

With best wishes,

Professor Jiří Horáček, MD, PhD, FCMA

Director of the National Institute of Mental Health



Management



prof. MUDr. Jiří Horáček, Ph.D., FCMA

Director



MUDr. Tomáš Novák, Ph.D.

Deputy Director for Education



prof. MUDr. Pavel Mohr, Ph.D.

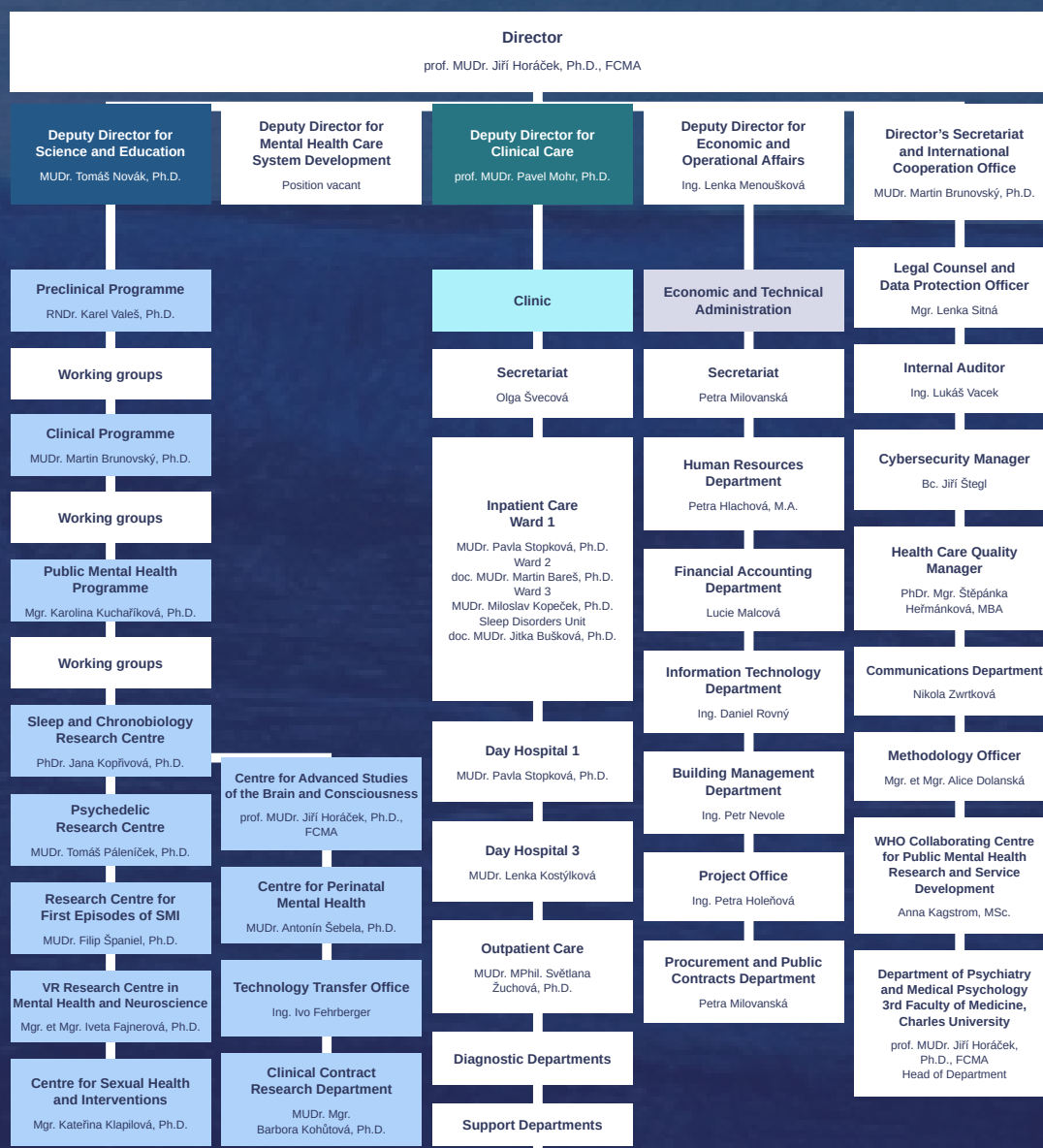
Deputy Director for Clinical Research



Ing. Lenka Menoušková

Deputy Director for Economic and Operational Affairs

Organisational structure



Advisory bodies – Director's Advisory Board

prof. MUDr. Jiří Horáček, Ph.D., FCMA
Director

prof. MUDr. Pavel Mohr, Ph.D.
Deputy Director for Clinical Care

MUDr. Tomáš Novák, Ph.D.
Deputy Director for Science and Education

Ing. Lenka Menoušková
Deputy Director for Economic and
Operational Affairs

MUDr. Martin Brunovský, Ph.D.
Head of Research Programme

Mgr. Karolína Kuchařiková, Ph.D.
Head of Research Programme

RNDr. Karel Valeš, Ph.D.
Head of Research Programme

Petra Hlachová, M.A.
Head of Human Resources

Ing. Petr Nevole
Head of Building Management

Ing. Petra Holeňová
Head of the Project Office

Mgr. et Mgr. Iveta Fajnerová, Ph.D.
Head of Research Centre

Mgr. Kateřina Klapilová, Ph.D.
Head of Research Centre

PhDr. Jana Kopřivová, Ph.D.
Head of Research Centre

MUDr. Tomáš Páleníček, Ph.D.
Head of Research Centre

Ing. Daniel Rovný
Head of IT

MUDr. Antonín Šebela, Ph.D.
Head of Research Centre

MUDr. Filip Španiel, Ph.D.
Head of Research Centre

PhDr. et Mgr. Štěpánka Heřmánková, MBA
Healthcare Quality Manager

Mgr. Hana Macková
Chief Nurse

RNDr. Karel Valeš, Ph.D.
Chair of the Basic Trade Union Organisation

Ing. Jan Hubený
Chair of the Independent Trade Union
Organisation

Ing. Martina Zavadilová
Fundraiser

Mgr. et Mgr. Alice Dolanská
Methodologist

Mgr. Lenka Sitná
Legal Adviser

Nikola Zwrťková
Head of Communications

Committee on Ethical Issues

Mgr. Veronika Kubáčová Langová
Committee Chair, Researcher

Mgr. Karolína Kuchaříková, Ph.D.
Head of Research Programme

MUDr. Pavla Stopková, Ph.D.
Lead Physician

MUDr. Filip Španiel, Ph.D.
Head of Research Centre

Ing. Petra Holeňová
Head of the Project Office

Ethics Committee

doc. MUDr. Martin Bareš, Ph.D.
Chair – NUDZ, Psychiatrist

MUDr. Tomáš Novák, Ph.D.
Vice-Chair – NUDZ, Psychiatrist

Olga Švecová
NUDZ – member without medical or scientific training

Bc. Markéta Švejdová Jandová
Member without medical or scientific training, not employed by NUDZ

PhDr. Nikola Doubková
NUDZ – Psychologist

MUDr. Veronika Andrashko, Ph.D.
NUDZ – Physician, Psychiatrist

Bc. Barbora Baslová
NUDZ – Social Worker, member without medical or scientific training

MUDr. Taťána Mahdíková
Physician, member not employed by NUDZ

Mgr. Veronika Juríčková
NUDZ – Psychologist

Commercialisation Council

RNDr. Karel Valeš, Ph.D.
National Institute of Mental Health
Executive of the Commercialisation Council

MUDr. Martin Brunovský, Ph.D.
National Institute of Mental Health

Alexandr Borovička, DiS.
Memecaffee

Ing. Martin Diviš, MBA
Kooperativa

prof. MUDr. Jiří Horáček, Ph.D., FCMA
National Institute of Mental Health

MUDr. Pavel Kubů
i & i Prague

Mgr. David Stíbal
IOCB TTO, s. r. o.

MUDr. Filip Španiel, Ph.D.
National Institute of Mental Health

doc. MUDr. Martin Votava, Ph.D.
PharmInvent

Scientific Council

prof. Martin Alda, MD, FRCPC
Chair of the Scientific Council

Ing. Eduard Bakštein, Ph.D.
Researcher

doc. MUDr. Monika Klírová, Ph.D.
Physician

prof. MUDr. Pavel Mohr, Ph.D.
Deputy Director for Clinical Care

MUDr. Tomáš Novák, Ph.D.
Deputy Director for Science and Education

MUDr. Filip Španiel, Ph.D.
Head of Research Centre

Mgr. Karolína Kuchaříková, Ph.D.
Head of Research Programme

Science and research



MUDr. Tomáš Novák, Ph.D.
**Deputy Director for Research
and Education**

In 2025, in line with its mission, the research division continued its basic and applied research into the neurobiological and psychosocial mechanisms affecting mental health. These activities cover prevention, diagnosis, treatment and the wider societal impact of mental illness, and help introduce new services that improve quality of life for patients and the general population.

During the year, we worked on 61 nationally funded research projects, acting as the principal recipient in 36 cases (59%). Funding providers supported 19 projects through AZV, 14 through GAČR, 6 through TAČR, 5 through the Ministry of Labour and Social Affairs, 1 through the Ministry of the Interior and 7 through the Ministry of Education, Youth and Sports (including 4 under OP JAK). A further 9 projects received funding from other sources. We also participated in 17 projects involving international partners, mainly under Horizon Europe. Our research outputs consistently maintain outstanding quality: in 2025, half were published in Q1 journals, and we also achieved a high rating in the comprehensive evaluation of research organisations under Methodology 17+. The institute thus continues to strengthen its position in mental health and neuroscience research, both regionally and, in many respects, internationally.

However, 2025 will be remembered in the history of NUDZ above all for two major events.

In April, Professor Cyril Höschl, founder and first director of NUDZ, passed away. His influence and broad interests extended far beyond neuroscience and psychiatry, and he was also a great supporter and communicator of our research. We remember him with deep respect.

In September, prof. MUDr. Jiří Horáček, Ph.D., FCMA became the third director of NUDZ. A co-founder of the institute and its first Deputy Director for Science and Research, he is also a prominent figure in Czech psychiatry. He succeeded PhDr. Petr Winkler, Ph.D., who had significantly shaped the institute and its research over four years in office before resigning during the year. I thank Petr Winkler for his work and contribution to the institute, and wish Professor Horáček every success in fulfilling the vision and expectations he brings.

Preclinical Research Programme (VP1)

Head: Alena Moudrá (until 10/2025), Karel Valeš (from 10/2025)

Profile: In 2025, the Preclinical Research Programme focused on strengthening translational and application-oriented research at the preclinical level. It connected experimental and clinically oriented research to better understand the neurobiological mechanisms of severe neuropsychiatric, neurodevelopmental and neurodegenerative disorders, while developing methods for new diagnostic and therapeutic approaches.

The programme relied primarily on animal models, bioanalytical chemistry, molecular biology, cellular models, imaging methods, advanced nanomaterial characterisation and computational approaches. It emphasised close links between preclinical models and clinical questions in contemporary biological psychiatry and neuroscience, including the development of biomarkers, new pharmacological interventions and neuromodulation technologies.

Activities in 2025

Preclinical models of schizophrenia and translational biomarkers

The team continued developing animal and translational models of schizophrenia. A key result was the experimental validation of a double-hit model combining early postnatal immune activation with repeated pharmacological exposure during key developmental periods. The model revealed changes in social behaviour during adolescence without major disruption of sensorimotor function or general locomotion. These findings support its further use to study mechanisms linking early immune challenges, episodes resembling psychotic relapse and social dysfunction.

Neurodegenerative diseases and proteomic approaches

The programme contributed to a human post-mortem proteomic study of the effects of memantine in Alzheimer's disease. The study showed that memantine treatment is associated with subtle, biologically significant changes in the hippocampal proteome, particularly in mitochondrial proteins, synaptic signalling, and glutamatergic and GABAergic pathways.

Nanomedicine, molecular imaging and the MERIT project

The MERIT project continued developing and characterising MgO nanoparticles. Synthesis parameters were optimised, a range of physicochemical analyses were performed, including UV-Vis, DLS, TG-DTA, FTIR, XRD, NTA, XPS/EDS, SEM and TEM, and neurotoxicity assessment in neuronal cell lines was initiated. The work also included computational docking analyses of MgO and dendrimer-MgO against proteins associated with hypothalamic insulin resistance, initial design of IKK-beta-specific aptamers with the University of Tennessee, and the start of MRI database automation for future machine-learning algorithms with the Czech Technical University in Prague.

Preclinical Research Programme (VP1)

Non-invasive neuromodulation and cellular models

Experimental work and data analysis on the effects of low-intensity focused ultrasound (FUS) on calcium signalling in neuronal cultures were completed. The study used live-cell calcium imaging and quantitative fluorescence analysis to assess the safety and neuromodulatory potential of FUS at the cellular level.

Psychopharmacology, psychedelics and new drug development

In 2025, preclinical studies examining the safety and efficacy of psychedelic and psychopharmacological interventions were expanded. A published study of psilocybin demonstrated a narrow therapeutic window for antidepressant-relevant effects and emphasised the importance of precise dosing in future clinical translation. The programme also developed medicinal chemistry and preclinical evaluation of new candidate compounds, including a newly awarded AZV project on potential treatments for schizophrenia and alcohol dependence, and candidate selection for in vivo testing linked to a postdoctoral GAČR project.

Key results in 2025

The year 2025 brought several findings directly linked to the programme's translational mission. In schizophrenia modelling, a new double-hit model focused on social behaviour was published. In Alzheimer's disease research, the programme contributed to proteomic characterisation of the effects of memantine in the human hippocampus. In nanomedicine, the MERIT project progressed from material synthesis and optimisation to detailed characterisation and initial assessment of biological safety. Significant progress was also made in cellular models of focused ultrasound and in preclinical evaluation of psychedelics and new pharmacological candidates.

- HAKENOVÁ, K., MIKULECKÁ, A., HOLUBOVÁ, K., CHVOJKOVÁ, M., ŠLAMBEROVÁ, R., JURČOVIČOVÁ, J., ČECHOVÁ, B., PONIŠT, S., HORÁČEK, J., VALEŠ, K. A new two-hit animal model for schizophrenia research: Consequences on social behavior. *IBRO Neuroscience Reports*. 2025, 19, s. 38–49. DOI: 10.1016/j.ibneur.2025.05.012.
- FABRIK, I., KUPČÍK, R., FABRIKOVÁ, D., CHVOJKOVÁ, M., HOLUBOVÁ, K., HAKENOVÁ, K., HORÁK, M., SOUKUP, J., MANETHOVÁ, M., RUSINA, R., MATĚJ, R., RYSKA, A., SOUKUP, O. Memantine Administration Enhances Glutamatergic and GABAergic Pathways in the Human Hippocampus of Alzheimer's Disease Patients. *Proteomics*. 2025, 25, s. 42–49. DOI: 10.1002/pmic.70006.
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Preclinical Research Programme (VP1)

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- JEEVANANDAM, J., TSENOV, G., DANQUAH, M. K., RUIZ-MOLENA, D., BOUSSIOS, S., OVSEPIAN, S. V. Smart Nanomedicines for Neurodegenerative Diseases: Empowering New Therapies with Molecular Imaging and Artificial Intelligence. *Molecular Diagnosis & Therapy*. 2025/2026, 30(1), s. 19-46. DOI: 10.1007/s40291-025-00813-6.

Clinical Research Programme (VP2)

Head: Martin Brunovský

Profile: Clinically oriented research into the neurobiological basis of mood, anxiety, psychotic and cognitive disorders. To clarify the nature of mental disorders and target diagnostic and treatment approaches more precisely, the programme integrates clinical data with findings from neuropsychological, electrophysiological, neurostimulation and brain-imaging examinations.

Activities in 2025

In 2025, VP2 continued its clinical and translational research into neuropsychiatric disorders, focusing on identifying biological predictors of treatment response, individualising therapeutic approaches and linking clinical data with electrophysiological, neuropsychological, neurostimulation and neuroimaging methods.

A substantial part of the programme involved the Electrophysiological Therapeutic Predictors Working Group, which developed research into EEG markers of the effects of ketamine and antidepressant treatment in depressive disorders. Analyses examined changes in EEG signal complexity after a subanaesthetic dose of ketamine, the use of EEG vigilance to stratify patients with depression, and prediction of antidepressant response using graph theory and brain-connectivity analysis. This work strengthens the programme's translational focus on personalised psychiatry, using electrophysiological data both to describe pathophysiology and to select and optimise treatment. Research also covered the combination of tDCS with mirror therapy, assessment of motor function and physiological neglect, cognitive interventions, and the preparation and analysis of EEG data in depression and other clinical conditions. A significant translational output was a study of the therapeutic potential of acetyl-DL-leucine and N-acetyl-L-leucine in posterior fossa syndrome, linking neuropharmacological, neurorehabilitation and mechanistic aspects of this rare but clinically serious postoperative complication.

In non-invasive brain stimulation, the NIBS Working Group continued the AZV project NW25-04-00023 MASCOD, focusing on deep rTMS for OCD. Recruitment targets were exceeded in the first year, with more than 40 patients enrolled and comprehensive clinical, MRI and EEG data obtained for most of them. Preliminary results suggest a clinically relevant difference between active and sham stimulation, supporting further development of personalised stimulation interventions for OCD. Building on the OP JAK-funded Brain Dynamics / BRADY project, individualised modelling of the H-coil's electric-field distribution using SimNIBS was further developed with the Institute of Computer Science of the Czech Academy of Sciences. Preliminary data indicate that electric-field intensity in the right supracallosal ACC predicts clinical improvement, supporting individualisation of stimulation parameters.

Clinical Research Programme (VP2)

The methodological component of the programme focused on improving the accuracy and validity of electrophysiological measurements. In auditory steady-state response research, a significant artefact arising during sound stimulation was identified and characterised, and a prevention procedure was proposed. Further work integrated EEG and fMRI signals and developed advanced analytical approaches for processing multimodal data. Translational research was also expanded to characterise EEG microstates in rats and link behavioural and electrical activity in animal models relevant to the study of neuropsychiatric disorders.

In psychological research, the working group continued a grant-funded project on loneliness. Pre-publication work on "Akce Asanace" was also completed, and a book on this subject was published in 2025. Other publications addressed transgenerational transfer of trauma, the adaptation of Ukrainian women, changes in depression rates in recent years, and several smaller topics, including personality functioning and personality disorders.

Key results in 2025

- VLČEK, P., HORÁČEK, J., GRÜNEROVÁ-LIPPERTOVÁ, M., BRUNOVSKÝ, M. Therapeutic potential of acetyl-DL-leucine and its L-enantiomer in posterior fossa syndrome: Mechanistic insights. *Drug Discovery Today*. 2025, 30(6), Article Number 104389. ISSN 1359-6446. DOI: 10.1016/j.drudis.2025.104389.
- WENG-LAM, Ch., OLBRICH, S., JIANG, X., ZHANG, H., IP, Ch., BRUNOVSKÝ, M. Subanesthetic ketamine alters EEG signal complexity: Implications for treatment stratification in depression. *Journal of Affective Disorders*. 2025, 386, Article Number 119477, 1-10. ISSN 0165-0327. DOI: 10.1016/j.jad.2025.119477.
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- MOHR, P., KOPEČEK, M., BRUNOVSKÝ, M., PÁLENÍČEK, T. *Klinická psychofarmakologie. 2. aktualiz. vyd Praha: Maxdorf, 2025. 678 s. Jessenius. ISBN: 978-80-7345-817-1.*
- PREISS, M., FŇÁŠKOVÁ, M., NEČASOVÁ, M., DOUBKOVÁ, N., WOLFRAMOVÁ, N., SVOBODA, V., ULČÁK, D., SANDERS, E., REKTOR, I. *Travelers between cultures: The war and post-war generations. Cambridge Prisms: Global Mental Health. 2025, 12("e137"), 1-8. ISSN 2054-4251. DOI: 10.1017/gmh.2025.10085.*
- PREISS, M., DOUBKOVÁ, N., HEISLER, R., HUTKA, V., LEFEUVRE, I., ROUBALOVÁ KOSTLÁNOVÁ, V., UHMANNOVÁ, M. *Ve vyhnanství: Transgenerační vnímání akce Asanace. Preiss, M., Doubková, N., Heissler, R., ed. Vydání první Praha: Academia, 2025. 413 s. neuvedeno. ISBN: 978-80-200-3637-7.*

Public Mental Health Research Programme (VP3)

Head: Karolína Kuchaříková

Profile: The programme focuses on population mental health, psychiatric epidemiology, and evaluation of the effectiveness and economics of health and social services. Specific areas include mental health awareness, prevention and research into stigma and suicide, the mental health of children, adolescents and sexual minorities, and addictive behaviour. Its work primarily involves research and implementation programmes aimed at developing the mental health care system.

Activities in 2025

In 2025, significant findings were published documenting the impact of mental illness on health, social and economic outcomes for individuals and society. Published studies provided new insights into the associations between inflammatory rheumatic and psychiatric diseases, supporting the hypothesis that inflammatory mechanisms play a significant role in the onset and course of mental disorders (Formánek et al.). Further findings documented the mental health of patients with rheumatoid arthritis and axial spondyloarthritis (Husáková et al.), and excess mortality among people hospitalised for alcohol-related disorders before and during the COVID-19 pandemic (Kázmér et al.).

Other publications in leading international journals offered new insights into stigma affecting people with mental illness and its consequences (Kågstöm et al., eClinicalMedicine), implementation of mental health policies and strategic plans in the WHO European Region (Guerrero et al., Cambridge Prisms: Global Mental Health), and the state of mental health in Central and Eastern Europe (Winkler et al., Lancet Regional Health). In health promotion and prevention, articles mapped trends in alcohol use (Csémy et al.) and cigarette smoking among Czech adolescents (Kázmér et al.), both in the Central European Journal of Public Health, using data from the international HBSC study.

Major implementation activities included PREPO – Prevention and Promotion of Mental Health in the Adult Population of the Czech Republic, and Gradient – Effective Support for People with Personality Disorders in the Czech Republic. PREPO focused on mental health literacy, reducing stigma, developing preventive interventions and supporting the quality of life of people with mental illness or at risk of developing it. Gradient aimed to improve access to and quality of care for people with symptoms of borderline personality disorder by implementing approaches based on dialectical behaviour therapy (DBT), training professionals and developing regional service networks. Both projects contributed significantly to community care, professional skills and implementation of evidence-based practices in the Czech mental health care system.

Research projects also examined co-occurring inflammatory rheumatic diseases and the health and economic impact of early dementia diagnosis. Excellent research into digital technologies and well-being continued within DigiWELL. Training in the Všech pět pohromadě programme and other courses supporting the mental health of children and adolescents were also delivered. Training took place under Bez obav as well, a project focusing on parenting skills and anxiety prevention.

Public Mental Health Research Programme (VP3)

The main international implementation projects focused on population mental health, evidence-based preventive approaches, development of mental health services and improved quality of life for vulnerable groups. The programme implemented Joint Action addressing Dementia and HEALTH (JADE HEALTH), which applies established European approaches to mental health and dementia care. HARMONY, promoting mental health and preventing psychological difficulties in the workplace, also continued.

A major activity was Joint Action on Implementation of Best Practices in the Area of Mental Health (ImpleMENTAL), focusing on suicide prevention and implementation-science findings in this area. It covered suicide prevention strategies and recommended practices through international cooperation (Krishnamoorthy et al.). Activities supporting people with mental illness, tackling stigma and strengthening mental health care systems in the Czech Republic and Europe also continued. EU-PROMENS, an international education project developing the skills of mental health professionals across Europe, played a significant role.

REACHMIND supported the mental health of refugee, migrant and minority children. Promoting Mental Health Literacy among Ukrainian War Refugees in Czechia and Beyond supported mental health literacy among war refugees from Ukraine. National Consultancy to Strengthen MHPSS Capacity for Labor Offices, Integration Centers and MoEYS Professionals in Czechia brought together advisory support for labour offices, integration centres and the Ministry of Education, Youth and Sports working with Ukrainian and Czech youth in the Czech Republic.

Key results in 2025

- FORMÁNEK, T., MLADÁ, K., MOHR, P., LIM, MF., OLEJAROVA, M., PAVELKA, K., WINKLER, P., OSIMO, EF., JONES, PB., HUSAKOVA, M. Psychiatric morbidity in people with autoimmune arthritides as a model of inflammatory mechanisms in mental disorders. *BMJ Mental Health*. 2025, 28(1), "Article Number e301506". ISSN 2755-9734. DOI: 10.1136/bmjment-2024-301506. IF 4.900.
- GUERRERO, Z., KÅGSTRÖM, A., TOMÁŠKOVÁ, H., ALIEV, A., YON, Y., LAZERI, L., REDLICH, C., WINKLER, P. Implementation of mental health policies and plans across the WHO European region: Barriers and facilitators. *Cambridge Prisms: Global Mental Health*. 2025, 12(e121), 1-8. ISSN 2054-4251. DOI: 10.1017/gmh.2025.10070. IF 3.400.
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Public Mental Health Research Programme (VP3)

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Sleep and Chronobiology Research Centre (C1)

Head: Jana Kopřivová

Profile: The centre conducts preclinical research (animal modelling) and clinical research into sleep, circadian rhythms and their disorders. It develops and tests non-pharmacological treatments for sleep disorders and approaches to improving cognitive performance, including psychological, electrophysiological and sensory methods and stimuli, and contributes to the development of devices for light therapy.

Activities in 2025

In 2025, preclinical and clinical research examined sleep, circadian rhythms and their disorders, with particular emphasis on testing non-pharmacological interventions. Published findings addressed the effects of bright light on circadian and brain activity in adolescents, regulation of circadian and neuroimmune responses through the STAT3 signalling pathway, and neurobiological mechanisms of autism spectrum disorders studied in animal models. Findings were also published on bio-inspired models of brain networks and their use in artificial intelligence. A major output was the specialist monograph *Sleep Medicine in Practice*. Data analysis and preparation of further publications also continued, particularly on sleep disorders, sleep EEG analysis and the effects of sleep deprivation.

Clinical research continued two grant-funded projects on insomnia. Intensive data collection was under way in a project evaluating the effectiveness of a home intervention using acoustic stimulation. In a newer project assessing the effect of a psychotherapeutic treatment, pilot measurements were performed, experimental paradigms were established and data collection began. Analyses of existing datasets continued in other projects, for example those on the evaluation of arousal and long-term sleep patterns in the population. Preclinical research continued to examine neurobiological mechanisms regulating behaviour, cognition and stress responses, develop devices for laboratory light stimulation, investigate new therapeutic approaches to neuropsychiatric and neurodegenerative diseases, and develop new activators of the mTOR signalling pathway as add-on medications for treatment-resistant depression.

In 2025, three newly awarded projects began: development of a simulated surgical-stress model, development of new substances to treat schizophrenia and alcohol dependence, and cooperation with industry through a technology-transfer voucher to develop an ultrasound sensing system.

Supervision of university students' degree and qualification theses was also an important part of the centre's work.

Sleep and Chronobiology Research Centre (C1)

Key results in 2025

- BUŠKOVÁ, J. Spánková medicína pro praxi. 1. vyd. Praha: Maxdorf, 2025. 345 s. „neuveđen“. ISBN: 978-80-7345-829-4.
- FILIPOVSKÁ, E., SKÁLOVÁ, K., SPIŠSKÁ, V., MENDOZA, J., BENDO VÁ, Z. Stat3 Silencing Affects Circadian Clock Gene Expression and Lipopolysaccharide Response in the Suprachiasmatic Nucleus, Cortex, and Glioblastoma Cell Cultures. The FASEB Journal. 2025, 39(10), "Article number e70577". ISSN 0892-6638. DOI: 10.1096/fj.202403177RR.
- KOPŘIVOVÁ, J., KAŇKOVÁ, Z., VLČEK, P., PIORECKÝ, M., MAIEROVA, L., BENDO VÁ, Z., SKÁLOVÁ, K., NEKOVÁŘOVÁ, T. Bright light exposure reduces negative affect and modulates EEG activity in sleep-deprived and well-rested adolescents. Frontiers in Behavioral Neuroscience. 2025, 19(1673093), 1-11. ISSN 1662-5153. DOI: 10.3389/fnbeh.2025.1673093.
- RAMME, A., ZACHOW, M., HABELT, B., VOJTĚCHOVÁ, I., PETRÁSEK, T., WALTEREIT, R., BERNHARDT, N. Behavioral phenotyping identifies autism-like repetitive stereotypies in a Tsc2 haploinsufficient rat model. Behavioral and Brain Functions. 2025, 21("Article number: 20"), 1-16. ISSN 1744-9081. DOI: 10.1186/s12993-025-00284-z.
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Psychedelic Research Centre (C2)

Head: Tomáš Páleníček

Profile: Preclinical and clinical research into psychedelics, spanning molecular studies, analytical methods, tissue-culture experiments, animal behavioural experiments and neuroimaging through to clinical trials with a clear therapeutic focus. Preclinical experiments place strong emphasis on the translational validity of data. Expertise in psychedelics and new synthetic substances.

Activities in 2025

In 2025, members of the Psychedelic Research Centre worked on numerous preclinical and clinical projects examining both the mechanisms of action of psychedelics and new psychoactive substances (NPS), and their therapeutic potential. The clinical study Psilocybin versus ketamine – fast-acting antidepressant strategies in treatment-resistant depression (NU21-04-00307) continued. Patient recruitment was completed, and the study is now in the long-term follow-up phase for treated patients. Unblinding for the primary outcome is expected in July 2026.

Extensive NPS testing continued within the MVČR-NSD project using a randomised crossover design with EEG recording and behavioural analysis, including dozens of additional acute experiments in rats. Results from experiments conducted in previous years were published, involving THC, HHC, MXP, 25E-NBOH, baeocystin and other substances.

In preclinical research, we further developed the GAČR project EEG/ECOG based functional connectivity neuroimaging in the rat. We developed scripts with high translational validity to analyse rat EEG data using methods analogous to those used in humans, particularly through implementation and validation of source-localisation methods. EEG microstate projects also made significant progress: we published the first animal study characterising EEG microstates, while a human study of eyes-closed microstates after psilocybin administration has been submitted to a journal with an impact factor. We are also finalising translational publications comparing the effects of psilocin/psilocybin on eyes-open microstates in rats and humans. Other major publications analyse changes in visual perception after psilocybin in humans and rats, its effects on time perception in healthy volunteers, and the effects of psychedelics on neuroplasticity in primary neuronal cultures. A study replicating the influence of cingulate cortex thickness on psilocybin effects was published. We also contributed to publications on psilocybin treatment for depression and the effects of 5-MeO-DMT on the deconstruction of human consciousness. Several review articles on psychedelics were published as well.

Publications being finalised or under review examine psilocybin's effects on brain-activity complexity using fMRI and EEG data, and the effects of psilocybin and music on brain connectivity in the fMRI psilocybin study. A publication assessing psilocybin's effects on emotional processing of music is also under review. The laboratory continues developing new methods, including behavioural phenotyping through deep learning and AI. Within the international LEAD Agency project, it validates translational animal-EEG methods using forward and gel models to assess how brain-tissue anisotropy affects EEG signal propagation, develops new EEG source-localisation methods, and develops a flexible, biocompatible, 3D-printed silicone implant for animal EEG recording. The centre also secured the prestigious COST Action PSY-NET networking project on psychedelics, with Dr Páleníček serving as Chair.

Psychedelic Research Centre (C2)

The centre also helped prepare three further Horizon projects, which advanced to the second evaluation round. As part of public engagement on science and psychedelic-assisted treatment, the film "Doktor na tripu" premiered in 2025, with members of our team as its main protagonists. It received awards at several national and international festivals. Funding came from several key sources: grants provided the largest share, followed by philanthropic funding from the PSYRES endowment fund. IPO funding covered the smallest share of research activities, despite the centre's exceptionally high publication output.

Key results in 2025

- GREGUŠ D, HLINKA J, TYLŠ F, VIKTORIN V, VIKTORINOVÁ M, BRAVERMANOVÁ A, ANDROVIČOVÁ R, ANDRASHKO V, KORČÁK J, NIKOLIČ M, ADÁMEK P, BENEŠ M, PÁLENÍČEK T*, HORÁČEK J. Regional specificity of the cingulate cortex thickness association with the intensity of psilocybin experience: a replication study. *Psychopharmacology (Berl)*. 2025 Dec 13. doi: 10.1007/s00213-025-06983-9.
- PIORECKA V, VEJMOLA C, PESKOVA P, PIORECKY M, JIRICEK S, KOUDELKA V, GRISKOVA-BULANOVA I, PALENICEK T*. Microstate in rats' EEG: a proof of concept study. *Transl Psychiatry*. 2025 Nov 21;15(1):494. doi: 10.1038/s41398-025-03702-y.
- ŠÍCHOVÁ K, MALLARINO B, JANEČKOVÁ L, PALIVEC P, VÁGNEROVÁ M, VEJMOLA Č, NIKOLIČ M, LADISLAVOVÁ L, MAZOCHOVÁ K, RYŠÁNEK P, ŠÍMA M, ŠAFANDA A, HIEP BQ, KOUTROULI IRA, KUCHAR M, PÁLENÍČEK T*. Hexahydrocannabinol: pharmacokinetics, systemic toxicity, and acute behavioral effects in Wistar rats. *Int J Neuropsychopharmacol*. 2025 Aug 1;28(8):pyaf041.
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Research Centre for First Episodes of Severe Mental Illness (C3)

Head: **Filip Španiel**

Profile: Clinically oriented research into the early stages of schizophrenia and bipolar disorder, using neuroimaging and other biological markers in prospectively followed patient cohorts. A parallel aim is to develop digital and telemetry solutions in psychiatry to detect relapse and monitor disease progression, enabling early pharmacological and non-pharmacological interventions.

Activities in 2025

In 2025, Centre C3 built on its long-term research into the early stages of severe mental illness, particularly schizophrenia and bipolar disorder, and further developed its unique longitudinal database and biobank of patients with first-episode psychosis (ESO). Its primary aim remained the integration of clinical, neuroimaging, biochemical, immunological, genetic and digital data to model individual disease trajectories more accurately, predict functional outcomes and identify clinically useful biomarkers. A major advance in 2025 was the transition of the existing data infrastructure towards BRAINSCAPE CAD, a platform for computer-aided decision-making and personalised medicine in psychiatry. Extensive datasets from approximately 400 patients and 200 controls were compiled and delivered to test and train analytical components. They include laboratory parameters, demographic data, disease staging and the temporal dynamics of examinations. Building on earlier morphological and multimodal analyses, work continued on modelling schizophrenia subtypes and predicting long-term functional development. Alongside conventional statistical methods, a data normalisation and interpretation layer was developed in 2025, including standardised metrics, quality control and preparation of inputs for automated analytical pipelines. This established a basis for future use of clinical, laboratory and neuroimaging markers in expert systems supporting clinicians' decisions.

The centre's second major focus in 2025 was the development of digital and telemetry solutions for psychiatry. Building on ITAREPS and AKTIBIPO, work shifted towards deeper integration with BRAINSCAPE CAD and preparation of a telemedicine module for continuous data collection in patients' homes. BRAINSCAPE CAD: The platform's computing and database capacity was expanded in 2025. Dedicated high-performance hardware was brought into operation to run analytical models locally and store sensitive ESO data within BRAINSCAPE. This infrastructure enabled testing of locally deployed language models and other computationally demanding tasks.

Automated analyses: An initial working pipeline for automated processing of laboratory and clinical data was developed. It includes quality control, pseudonymisation, normalisation, conversion of selected parameters into standardised indicators, and preparation of structured inputs for higher-level analytical modules. Development also included a knowledge layer representing relationships between variables based on the literature on schizophrenia pathophysiology, to interpret biomarker data and validate model outputs.

Research Centre for First Episodes of Severe Mental Illness (C3)

Telemedicine module: During the year, data flows were specified for ITAREPS, questionnaire scales, Garmin wearables, a dynamic pupillometer and sleep data. Output formats were defined as time series and aggregated metrics, alongside a patient-device identification system, alert-management principles and interfaces to automated pipelines. A mobile-optimised web version of questionnaires, an SMS notification system for patients and the monitoring team, and internal interfaces for anonymised monitoring of patient activity, data quality and device function were developed. Administrative and regulatory preparations also proceeded for an observational study of five digital solutions for schizophrenia. Their potential to predict relapse will be tested in a one-year prospective follow-up of 100 patients.

Research into brain-activity dynamics, neuroinflammation and schizophrenia heterogeneity also continued in 2025. Building on BRADY/VZ2, this work connects longitudinal neuroimaging data from ESO with biochemical, immunological and clinical parameters. The team optimised a computational framework for modelling nonlinear trajectories of resting-state fMRI signals. An analytical pipeline based on complex Principal Component Analysis (cPCA) was developed to extract spatiotemporal characteristics of the BOLD signal in the infraslow frequency band below 0.1 Hz. The framework was implemented in the NUDZ Hydra/HYDRAdb infrastructure, validated with emphasis on reproducibility, and prepared for parallel processing of extensive multimodal datasets. Three main complex components were described: cPC1, primarily in sensorimotor and dorsal cortical regions; cPC2, corresponding to the Default Mode Network; and cPC3, associated with the dorsal attention network. These components provide a new phase-sensitive view of spontaneous brain activity and a potential normative framework for detecting clinical deviations in patients with schizophrenia.

The biochemical database was also expanded to include new neuroinflammatory and neurodegenerative indicators: cytokines IL-6, IL-10, TNF- α and IL-1 β ; NfL and GFAP proteins measured using Simoa; and haematological indicators of systemic inflammation, including NLR, MLR and SII. In June 2025, a Luminex xMAP INTELLIFLEX multiplex system was installed in NUDZ laboratories. It enables simultaneous measurement of dozens of cytokines, chemokines and other proteins from a single serum sample, strengthening in-house biomarker analysis. Initial integrated analyses demonstrated relationships between cPCA component parameters and peripheral inflammatory markers. Across the full sample, a higher neutrophil-to-lymphocyte ratio (NLR) was associated with lower explained variance in cPC1 and cPC3. Among patients with schizophrenia, the systemic immune-inflammation index (SII) was also associated with lower cPC1 dominance. Conversely, a more favourable immune profile, expressed as a higher lymphocyte-to-CRP ratio, was associated with greater explained variance in cPC3. These findings support the hypothesis that systemic immune dysregulation is reflected in the functional organisation of brain networks in schizophrenia.

Research Centre for First Episodes of Severe Mental Illness (C3)

Key results in 2025

Centre C3's research activities resulted in a strong publication year in 2025: the team contributed to eight papers published or made available online during the year. Topics covered first-episode psychosis, neuroimaging and normative modelling, metabolic and neuroimmune factors in schizophrenia, digital relapse monitoring, and infraslow oscillations linking brain and bodily dynamics.

Major outputs included papers in the American Journal of Psychiatry, Schizophrenia Bulletin and eLife, alongside publications in Brain Research, Progress in Neuro-Psychopharmacology & Biological Psychiatry, Frontiers in Immunology, Neuropsychobiology, and European Archives of Psychiatry and Clinical Neuroscience. Together, they strengthen C3's profile in multimodal biomarkers, prediction of clinical trajectories and digital tools for early relapse detection.

Virtual Reality Research Centre in Mental Health and Neuroscience (C4)

Head: **Iveta Fajnerová**

Profile: Development, research and implementation of virtual reality (VR) and artificial intelligence technologies for the diagnosis, treatment and prevention of mental disorders, and for education and training in professions exposed to high psychological stress. The centre verifies the effectiveness of digital interventions in clinical practice and transfers them into health care, education and other applied settings.

Activities in 2025

In 2025, the VR centre continued developing and implementing virtual reality and artificial intelligence technologies in mental health, psychotherapy, prevention and cognitive training. A significant part of its work involved research and applied projects using VR and AI tools in clinical practice and research.

In exposure therapy, VR applications developed in earlier projects continued to be used and validated, including TAČR Éta TL03000223 – VREtcity, TAČR GAMA TP01010062 – Braintech: OCD House, and TAČR Éta TL01000309 – VRcity. The AZV project NU23-04-00402 on virtual reality in the treatment of obsessive-compulsive disorder also continued, testing OCD House with inpatients and outpatients.

A substantial part of the work took place within OP JAK DigiWELL – Excellent Research in Digital Technologies and Well-Being (CZ.02.01.01/00/22_008/0004583). Development and testing continued in 2025 on BreezeTerraVR, a relaxation-breathing application using biofeedback, and FaceTheCrowdVR for exposure therapy for social anxiety. A beta version of TreKog, an online cognitive-training system for older adults, was completed and feasibility studies began. Coremind introduced a new focus on virtual avatars and conversational AI tools supporting mental and sexual health. Initial prototypes of virtual agents using large language models (LLMs) were developed to serve as virtual therapists and peer consultants for specific target groups. Suitable online platforms for their deployment were investigated and pilot testing prepared. Another project in this area examines attitudes towards climate change through VR tools.

The VR centre also contributed to education and training for professions exposed to high psychological stress. Together with the Department of Psychiatry and Medical Psychology of Charles University's Third Faculty of Medicine and NUDZ, VR technologies were used to teach medical students. Cooperation with the Police of the Czech Republic continued on implementing VR tools for training in breaking serious news and developing further research and training projects, including interviewing vulnerable people and using VR simulators in road safety.

The centre also helped implement VR tools in NUDZ therapeutic programmes, collaborated with partners in the Czech Republic and abroad, and expanded the use of digital technologies in education, research and clinical practice.

Virtual Reality Research Centre in Mental Health and Neuroscience (C4)

Research findings were presented at numerous national and international conferences. The centre continued organising specialist workshops on virtual reality and digital technologies in psychotherapy and mental health. Preparation of scientific publications reporting the results of individual projects also continued throughout the year.

Key results in 2025

- FRANCOVÁ, A., JABLONSKÁ KOLMAN, M., LHOTSKÁ, L., HUSÁK, J., FAJNEROVÁ, I. Efficacy of exposure scenario in virtual reality for the treatment of acrophobia: A randomized controlled trial. *Journal of Behavior Therapy and Experimental Psychiatry*. 2025, 88(102035), 1-12. ISSN 0005-7916. DOI: 10.1016/j.jbtep.2025.102035.
- JANÍKOVÁ, M., ZUZÁNKOVÁ, K., SCHWAMBERGOVÁ, D., MARTINEC NOVÁKOVÁ, L., FRANCOVÁ, A., DARMOVÁ, B., STOPKOVÁ, P., FAJNEROVÁ, I. Expozice ve virtuální realitě obohacená o čichové podněty u obsedantně-kompulzivní poruchy: studie proveditelnosti. *Psychiatrie*. 2025, 29(1), 5-8. ISSN 1211-7579.
- FAYETTE, D., JURÍČKOVÁ, V., FAJNEROVÁ, I., HORÁČEK, J., KOZÁK, T. The Effect of Chemotherapy Treatment on Cognitive Impairment and Clinical Symptoms in Hodgkin Lymphoma Patients. *Cancers*. 2025, 17(9), "Article Number: 1488". ISSN 2072-6694. DOI: 10.3390/cancers17091488.
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Centre for Sexual Health and Interventions (C5)

Head: Kateřina Klapilová

Profile: The Centre for Sexual Health and Interventions conducts leading multidisciplinary research in sexology and brings evidence-based findings and approaches into clinical and forensic practice. It has two divisions: basic sexology research, and applied research and intervention testing. Basic research groups study sexual neuroscience, psychophysiology and cognitive science at basic and preclinical levels to clarify the physiological, brain and cognitive mechanisms of sexual arousal, desire, orgasm, partner and paraphilic preferences, sexual dysfunctions and sexuality in psychiatric patients. Repeated representative surveys of sexual health and behaviour in the Czech population, sexual minorities and marginalised groups provide national reference data in sexology. Applied research focuses on developing, standardising and implementing diagnostic and risk-assessment tools, and testing the effectiveness of treatments and interventions in sexual health and the prevention of sexual offending.

Activities in 2025

Applied research

Ongoing and new projects

- Parafilik – following completion of the project phase in 2023, the programme's sustainability within the Czech health care system was secured. Professionals from Slovakia and China were also trained.
- SEXHELP: National Helpline for Sexual and Gender Health (Ministry of Labour and Social Affairs, 3249532) – we operate a specialist nationwide helpline within the social services system.
- Competence through Avatars in Sexual Health – Kompas (TAČR, TQ23000104) – realistic VR avatars and interactive scenarios are being developed to practise communication with people experiencing gender incongruence or problematic sexual behaviour. Educational modules for health care, social services and prison staff address first contact, history-taking, risk assessment and legal aspects of communication.
- Sociocultural determinants of the impact of circulating representations on the human mind and opportunities for remediation (OP JAK/Ministry of Education, Youth and Sports, CZ.02.01.01/00/23_025/0008715) – we help analyse the effects of media representations and digital environments on mental processes, attitudes and behaviour. Research addresses problematic cybersexuality, disinformation and social polarisation, among other areas, and contributes to approaches strengthening psychological and societal resilience.

Centre for Sexual Health and Interventions (C5)

Basic research

Ongoing and new projects

- Body or behaviour? The role of physical and behavioural indicators of age and sexual maturity in mate choice among people with paedophilia (GAČR, 23-06662S) – using virtual reality and animated avatars, we examine the role of age-typical behaviour in sexual responses and social interactions among people with paedophilic and teleiophilic preferences.
- The effects of gender nonconformity on minority stress and well-being in individuals of different sexual orientations (GAČR, 25-16933S) – the study maps relationships between sexual orientation, gender nonconformity, minority stress and psychological well-being in childhood and adulthood.
- Links between childhood abuse, offence-supportive cognitions and vulnerability to sexually violent behaviour and/or victimisation (GAČR, 25-17884S) – the project aims to clarify relationships between childhood abuse, cognitive distortions and the risk of sexual violence or victimisation.
- A neurobiological model of paraphilia development in male rats, building on the award-winning ESSM project (GAČR, 26-22378S) – research examines links between conditioned sexual preferences, brain activity and epigenetic mechanisms that may affect sexual behaviour.

Projects completed in 2025

- CZECHSEX (GAČR, 21-31490S) – analysis continues of data from a nationally representative survey, which provided new epidemiological data on sexual health in the Czech population after more than ten years.
- Sociosexual deficits in patients with first-episode psychosis and early-stage schizophrenia: effects on disease progression and sexual remediation strategies (AZV, NU21J-04-00024) – the project identified causes of sociosexual deficits in patients with first-episode schizophrenia and contributed to targeted sexual-remediation methods.
- The genetic architecture of sexual violence (MSCA Fellowships CZ, OP JAK, CZ.02.01.01/00/22_010/0003083) – genomic methods were used to investigate genetic factors associated with sexual violence and lay the foundations for further multidisciplinary research.
- A rat model of clitoral pleasure and clitorodinia (ESSM, RG23-05) – the first animal model of clitoral pleasure and clitorodinia was developed, enabling study of their neural mechanisms and possible treatments.

Key results in 2025

- MARTINEC NOVÁKOVÁ, L., KREJČOVÁ, L., BÁRTOVÁ, K., ANDROVIČOVÁ, R., KLAPILOVÁ, K. Formal help-seeking among community-based Czech individuals with sexual interest in minors is associated with the perceived urgency of self-identified concerns. *Frontiers in Psychology*. 2025, 16("Article Number1546102"), 1-16. ISSN 1664-1078. DOI: 10.3389/fpsyg.2025.1546102.

Centre for Sexual Health and Interventions (C5)

- ZAKRESKI, E., JAHNKE, S., ANDROVIČOVÁ, R., BÁRTOVÁ, K., CHRONOS, A., KREJČOVÁ, L., MARTINEC NOVÁKOVÁ, L., KLAPILOVÁ, K. Preoccupied and Fearful-Avoidant Attachment Styles May Mediate the Relationship Between Poor Parental Relationship Quality and Sexual Interests in Violence. *Archives of Sexual Behavior*. 2025, 54(7), 2445-2461. ISSN 0004-0002. DOI: 10.1007/s10508-025-03183-6.
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- PFAUS, JG. Orgasms, sexual pleasure, and opioid reward mechanisms. *Sexual Medicine Reviews*. 2025, 13(3), 381-393. ISSN 2050-0513. DOI: 10.1093/sxmrev/qeaf023.
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- ABDELLAOUI, A., WESSELDIJK, LW., GORDON, SD., SMIT, DJA., ANDROVIČOVÁ, R., MARTIN, NG., ULLEN, F., MOSING, MA., ZIETSCH, BP., VERWEIJ, KJH. Life without sex: Large-scale study links sexlessness to physical, cognitive, and personality traits, socioecological factors, and DNA. *Proceedings of the National Academy of Sciences of the United States of America*. 2025, 122(38), "e2418257122". ISSN 0027-8424. DOI: 10.1073/pnas.2418257122.

Dr James G. Pfaus, head of the research division, received the ISSWSH Distinguished Service Award for his contribution to women's sexual health, the Sexual Medicine Reviews Best Paper Silver Prize at the ISSM/ESSM congress, and the Best Presentation Prize at the Dr. Eros SHE conference in Hangzhou, China.

Centre for Advanced Studies of the Brain and Consciousness (C6)

Head: **Jiří Horáček**

Profile: Basic and applied research into consciousness using neuroimaging and electrophysiological methods, sophisticated experiments and advanced analytical approaches. The centre also extends into the social sciences, examining collective and societal phenomena such as the spread of disinformation.

Activities in 2025

In 2025, research continued on weakly electric fish as an experimental model of schizophrenia. A significant methodological paper was published (Chrtková et al., 2025), introducing a method to separate electrical signals during simultaneous electrocommunication between two individuals. This advance enables more precise analysis of individual behaviour and social interactions, and lays the groundwork for detailed assessment of social-behaviour changes in an animal model of schizophrenia.

The centre also made a major contribution to OP JAK BRADY, with our team analysing time series of brain activity after psilocybin administration. Research primarily characterises dynamic changes in brain activity and their relationship to the phenomenology of the psychedelic experience. Six scientific articles in journals with an impact factor were published within this project in 2025.

Data collection also continued in the PSIKET002 clinical study, supported by the Czech Health Research Council (AZV ČR). In 2025, the study became multicentre, with a second research site established at the Masaryk Memorial Cancer Institute in Brno. Expansion to another site is an important step towards increasing recruitment capacity and the generalisability of findings.

The new OP JAK COREmind project also began in 2025, examining the effects of circulating representations on the human mind and society. NUDZ collaborates with the Institute of Psychology and the Institute of Computer Science of the Czech Academy of Sciences, and the University of West Bohemia in Pilsen.

The project addresses a current societal challenge: the growing volume and speed of circulation of material and media representations, and their potential effects on mental processes, individual behaviour and society. COREmind combines analysis of these effects with development and testing of effective remediation approaches. It has three interconnected research objectives. The first examines effects on individuals and identifies the psychological mechanisms and vulnerabilities shaping them. The second investigates wider societal effects in selected areas, including cybersexuality, gender identity, attitudes towards climate change and political polarisation. The third develops and empirically tests remediation programmes to reduce harmful effects on the human mind and behaviour and strengthen individual and societal resilience.

Centre for Advanced Studies of the Brain and Consciousness (C6)

Within OP JAK COREmind, the NUDZ Centre for Advanced Studies of the Brain and Consciousness also helped organise two specialist conferences in 2025 at the intersection of social and medical aspects of mental health. Art and Mental Health 2025 took place on 2–4 October 2025 in Prague and Louny, focusing on the relationship between art, the brain, the mind and mental health. The second conference, The Front Line of Humanity: War from the Perspective of Medicine, Psychology and Law, was organised with Charles University's Third Faculty of Medicine on 22 October 2025 in Prague. It brought together medical, psychological and legal perspectives on armed conflict and its effects on individuals and society.

Key results in 2025

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Centre for Advanced Studies of the Brain and Consciousness (C6)

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Centre for Perinatal Mental Health (C7)

Head: Antonín Šebela

Profile: Clinically oriented research into women's mental health during the perinatal period, examining biopsychosocial factors in the development of mental disorders, including the effects of psychotropic medication on child development. Implementation and evaluation of prevention, screening and early-intervention services.

Activities in 2025

Our centre worked with obstetrics and gynaecology departments to implement a screening programme identifying women at risk of mental health difficulties after childbirth. It has now been introduced in 45 maternity hospitals in the Czech Republic, screening approximately 2,200 women each month. A support-coordinator role was also introduced in 15 maternity hospitals. This trained NUDZ staff member follows up with women who request support after screening, assesses their current situation, provides an initial psychosocial intervention and connects them to relevant regional services. We also evaluate this process within OPZ+. The centre received the European Commission's REGIOSTARS 2025 award for this programme. We completed development of MoodPass, an application run by the National Screening Centre at the Institute of Health Information and Statistics (ÚZIS), for which we provide expert oversight. Together with partners from Croatia, Cyprus and Ukraine, we launched MoMental, an international project delivering perinatal mental health training to frontline workers during humanitarian and other crises.

In 2025, three grant-funded applied and implementation research projects were carried out (AZV, OPZ+, Erasmus+).

Key results in 2025

In 2025, the Perinatal project won REGIOSTARS 2025 in the "A Social and Inclusive Europe" category: <https://www.dotaceeu.cz/cs/evropske-fondy-v-cr/novinky/cesky-projekt-zvitezil-v-soutezi-regiostars-2025>

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- NĚMCOVÁ, H., KUKLOVÁ, M., HRDLIČKOVÁ, K., HORÁKOVÁ, A., ŠEBELA, A. The relationship between maternal psychopathology and maternal-fetal attachment: a cross-sectional study from the Czech Republic. *BMC Psychology*. 2025, 13("Article number: 248"), 1-10. ISSN 2050-7283. DOI: 10.1186/s40359-024-02308-1.
- NĚMCOVÁ, H., BLASKOVA, T., HORÁKOVÁ, A., KUKLOVÁ, M., HRDLIČKOVÁ, K., ŠEBELA, A. Effects of in vitro fertilization and intracytoplasmic sperm injection treatment on female patients' perinatal mental health: systematic review and meta-analysis. *Frontiers in Reproductive Health*. 2025, 7("Article Number 1668831"), 1-23. ISSN 2673-3153. DOI: 10.3389/frph.2025.1668831.

Projects undertaken in 2025

Project title	Project ID	Lead recipient	NUDZ investigator
National projects			
Czech Health Research Council (AZV)			
Psilocybin versus ketamine – fast acting antidepressant strategies in treatment-resistant depression	NU21-04-00307	NUDZ	MUDr. Tomáš Páleníček, Ph.D.
Predicting functional outcome in schizophrenia from multimodal neuroimaging and clinical data	NU21-08-00432	Institute of Computer Science, CAS	MUDr. Filip Španiel, Ph.D.
Concurrence of the rheumatic and psychiatric diseases: epidemiology, identification of the risk-group population and economic costs	NU21-09-00297	Institute of Rheumatology	PhDr. Petr Winkler, Ph.D.
Deficits in the sociosexual functioning of patients with first episodes and early onset schizophrenia: Impact on disease progression and sexological remediation strategies	NU21J-04-00024	NUDZ	Mgr. Renáta Androvičová, Ph.D.
Early-stage identification of schizophrenia subtypes using a multimodal biomarker fingerprints	NU22-04-00143	NUDZ	MUDr. Filip Španiel, Ph.D.
The pathophysiological alterations in the brain after post-psychotic state and perinatal hypoxia	NU22J-04-00061	NUDZ	Mgr. Lenka Kletečková, Ph.D.
Dorsomedial prefrontal cortex repetitive transcranial magnetic stimulation(dmPFC-rTMS) in the augmentation of antidepressants (DOPRERA study). Efficacy, tolerability and neurophysiological changes	NU22-04-00192	NUDZ	Doc. MUDr. Martin Bareš, Ph.D.
Disruption of spatiotemporal coordination as an early marker of schizophrenia: A translational study of a role of frontotemporal interaction	NU22-04-00526	Institute of Physiology, CAS	prof. MUDr. Jiří Horáček, Ph.D., FCMA

Virtual Reality Exposure Therapy in Patients with Obsessive-Compulsive Disorder: A randomized controlled trial	NU23-04-00402	NUDZ	MUDr. Pavla Stopková, Ph.D.
Genomics of physiological regulations in bipolar disorder	NU23-04-00534	NUDZ	prof. Martin Alda, MD FRCP
Closed-loop auditory stimulation to improve sleep in insomnia	NU23-04-00469	NUDZ	PhDr. Jana Kopřivová, Ph.D.
Novel model of schizophrenia based on <i>Gnathonemus petersii</i> species enriched by the electrical communication and social behaviour evaluation	NW24-04-00413	NUDZ	prof. MUDr. Jiří Horáček, Ph.D., FCMA
Decoding the Interplay of Cholinesterase Inhibitors, Energy Metabolism, Cognitive Decline, and Hepatotoxicity: Insights from Animal Models	NW24J-04-00140	University of Hradec Králové	RNDr. David Kolář, Ph.D.
Diarylethylamine derivatives methoxphenidine and its potential therapeutic benefit for the therapy of treatment resistant depression	NW24-04-00412	NUDZ	RNDr. Karel Valeš, Ph.D.
Development of novel activators of mTOR signaling pathway as adjunct therapy in treatment-resistant depression	NW24-04-00422	NUDZ	doc. RNDr. Zdeňka Bendová, Ph.D.
Effect of cognitive behavioral therapy for insomnia on emotion regulation	NW24J-04-00083	NUDZ	Mgr. Karolina Janků, Ph.D.
Health and Economic Outcomes of Early Dementia Diagnosis: Understanding the Role of Comorbidities	NW24J-07-00064	NUDZ	Ing. Hana Marie Broulíková, Ph.D.
Neural predictors of therapeutic success of transcranial MAGnetic Stimulation of the brain in obsessive-COMPulsive Disorder (MASCOD)	NW25-04-00023	NUDZ	doc. MUDr. Monika Klírová, Ph.D.

Breaking the code: deciphering electrical communication in <i>Gnathonemus petersii</i> fish in modeling negative symptoms of schizophrenia	NW25-04-00454	NUDZ	prof. MUDr. Jiří Horáček, Ph.D., FCMA
Emotion recognition in schizophrenia spectrum disorders: From predictors to outcomes	NW25J-04-00057	NUDZ	Mgr. Barbora Keřková, Ph.D.
Novel dual action drugs for the treatment of schizophrenia and alcohol addiction	NW25-08-00286	NUDZ	RNDr. Tomáš Petrásek, Ph.D.
Digital phenotyping as a marker of clinical development in major psychiatric disorders	NW25-04-00081	Czech Technical University in Prague	prof. MUDr. Tomáš Hájek, Ph.D.
Chemogenetically Induced Sensory Noise During Adolescence: A Novel Animal Model of Schizophrenia	NW25J-04-00110	Institute of Physiology, CAS	Mgr. Petr Adámek, Ph.D.
Anti-inflammatory properties of neuroactive steroids	NW25J-04-00127	Institute of Endocrinology, Prague	Mgr. Lenka Kletečková, Ph.D.

Czech Science Foundation (GAČR)			
Promoting spatial memories during sleep and by closed-loop targeted memory reactivation	22-16874S	NUDZ	PhDr. Jana Kopřivová, Ph.D.
Olfactory perception and reactivity in individuals with anxious and obsessive-compulsive behavioural traits	22-31662S	NUDZ	Mgr. Lenka Martinec Nováková, Ph.D.
The role of parvalbumin-positive interneurons in a rat model of schizophrenia induced by maternal immune activation	23-06546S	NUDZ	RNDr. Tomáš Petrásek, Ph.D.
Symmetries of brain connectivity	23-07074S	NUDZ	Ing. Mgr. Jaroslav Hlinka, Ph.D.
Body or behavior? Exploring the relative roles of physical versus behavioral indicators of age in mating contexts in pedophiles and teleiophiles	23-06662S	NUDZ	MSc. Kateřina Klapilová, Ph.D.
Alzheimer's disease and aging: can mTOR inhibitors kill two birds with one drug?	23-05857S	University of Hradec Králové	RNDr. Karel Valeš, Ph.D.
Metabolic and functional effects of $3\alpha5\beta$ neuroactive steroids in perinatal brain damage	23-05746S	Institute of Endocrinology, Prague	Mgr. Grygoriy Tsenov, MSc., Ph.D.
EEG/ECOG based functional connectivity neuroimaging in the rat - optimisation, standardisation and translational leap in neuropsychopharmacology	23-07578K	NUDZ	MUDr. Tomáš Páleníček, Ph.D.
Alone: A mixed-methods perspective on loneliness and solitude	24-10889S	NUDZ	prof. MUDr. Pavel Mohr, Ph.D.
Novel cariprazine-derived D2/5-HT3 receptor modulators with potential implications for treating schizophrenia and depressive symptoms	24-111910	NUDZ	Mgr. Radomír Jůza, Ph.D.
The influence of gender nonconformity on minority stress and well-being in individuals of diverse sexual orientations	25-16933S	NUDZ	Mgr. Klára Bártová, Ph.D. et Ph.D.

How early sexual trauma relates to offense-supportive cognitions and vulnerability to sexual perpetration/victimization in adulthood	25-17884S	NUDZ	Mgr. Kateřina Klapilová, Ph.D.
Underpinning transdiagnostic dimensions and clinical targets of psychopathology: the role of personality and emotions	25-162910	NUDZ	PhDr. Nikola Doubková, Ph.D.

Technology Agency of the Czech Republic (TAČR)			
A unique combination of virtual reality and kinesthetic illusions in rehabilitation	FW06010562	VR Medical, s. r. o.	MUDr. Filip Španiel, Ph.D.
Development of a receptor biochip for the control and regulation of steroid hormones	FW06010206	ESSENCE LINE, s. r. o.	RNDr. Karel Valeš, Ph.D.
New biochip and microfluidic diagnostics of circulating biomarkers and pharmacogens in psychiatric and oncological diseases	FW03010186	ESSENCE LINE, s. r. o.	RNDr. Karel Valeš, Ph.D.
Nature-Like Lighting for Laboratory Animal Facilities	FW09020164	Animalab, s. r. o.	Doc. RNDr. Zdeňka Bendová, Ph.D.
Competencies using Avatars for Sexual Health	TQ23000104	NUDZ	Mgr. Kateřina Klapilová, Ph.D.
A simulated operational stress model validated by testing the anti-stress effects of dietary supplements based on biological response modulators	OZ01020009	Ministry of Defence	PhDr. Jana Kopřivová, Ph.D.

Ministry of Labour and Social Affairs (MPSV)			
Effective support for people with personality disorders in the Czech Republic	CZ.03.02.02/00/22_031/0001468	NUDZ	Mgr. Bc. Ondřej Krupčík
Prevention and promotion of mental health of adult population in Czechia 1 (PREPRO 1)	CZ.03.02.02/00/22_031/0003822	NUDZ	Mgr. Slavomíra Pukanová
Crisis helpline for sexology	3249532	NUDZ	Mgr. Kateřina Klapilová, Ph.D. / Mgr. Kateřina Potyszová
Free from Fears	CZ.03.03.01/00/23_051/0004599	NUDZ	Marie Polášková, MSc.
Early identification and targeted interventions for families at risk of psychosocial stress in the perinatal period: the implementation phase	CZ.03.03.01/00/23_051/0004843	NUDZ	MUDr. Antonín Šebela, Ph.D.

Ministry of Education, Youth and Sports (MŠMT)			
Investigating the genetic architecture of sexual violence	CZ.02.01.01/00/22_010/0003083	NUDZ	Mgr. Renáta Androvičová, Ph.D.
From Magic to Pharmaceutical Drugs Using Psychoactive Mushrooms	LUAIZ24146	NUDZ	MUDr. Tomáš Páleníček, Ph.D.
The role of gut microbiota in the pathophysiology of schizophrenia	LUAUS25249	NUDZ	MUDr. Filip Španiel, Ph.D.

MŠMT – Operational Programme Johannes Amos Comenius (OP JAK)			
Brain dynamics, OP JAK	CZ.02.01.01/00/ 22_008/0004643	Institute of Computer Science, CAS	prof. MUDr. Jiří Horáček, Ph.D., FCMA
DigiWELL, OP JAK	CZ.02.01.01/00/ 22_008/0004583	University of Ostrava	PhDr. Petr Winkler, Ph.D.
BRAINSCAPE: Cross-sectoral collaboration for the development of new technologies in psychiatry – precision medicine and new therapies, OP JAK	CZ.02.01.01/00/ 23_020/0008560	NUDZ	prof. MUDr. Pavel Mohr, Ph.D.
Social-Cultural Determinants of Circulation of Representations: The Impact on Human Mind and Strategies of Remediation, OP JAK	CZ.02.01.01/00/ 23_025/0008715	NUDZ	prof. MUDr. Jiří Horáček, Ph.D., FCMA

Ministry of the Interior (MV)			
NPS-FORTOX, New psychoactive substances: forensic-toxicology research center	VK01010212	University of Chemistry and Technology, Prague	MUDr. Tomáš Páleníček, Ph.D.
(MEDEVAC) Capacity building in public mental health research and service development in Ukraine	NA	NUDZ	PhDr. Petr Winkler, Ph.D.

International projects and cooperation			
European Commission (EC)			
Revolution of sleep diagnostics and personalized health care based on digital diagnostics and therapeutics with health data integration (SLEEP REVOLUTION)	H2020 965417	HASKOLINN I REYKJAVIK EHF	doc. MUDr. Jitka Bušková, Ph.D.
2PS - Prevent & Protect through support (Prevention of child sexual exploitation)	HE-CL3-2021-FCT- 01-11	Polish platform for Homeland Security(Stowarzyszenie Polska Platforma	Mgr. Kateřina Klapilová, Ph.D.
STOP CSAM Scalable Technology for Online Prevention of Child Sexual Abuse and Child Sexual Abuse Materials	101084719	CHARITE - UNIVERSITAETSMEDIZIN BERLIN	Mgr. Kateřina Potyszová / Mgr. Lucie Krejčová, Ph.D.
TRUSTING A TRUSTworthy speech-based AI monitorING system for the prediction of relapse in individuals with schizophrenia	H2020 101080251	ACADEMISCH ZIEKENHUIS GRONINGEN (UMCG)	MUDr. Filip Španiel, Ph.D.
Programme MERIT - Central Bohemia Mobility Programme for Excellence in Research, Innovation and Technology	101081195	SIC - Central Bohemian Innovation Centre	PhDr. Petr Winkler, Ph.D., RNDr. Karel Valeš, Ph.D.
PsyPal: Psilocybin Therapy for Psychological Distress in Palliative Care Patients	H2020 101137378	ACADEMISCH ZIEKENHUIS GRONINGEN	MUDr. Tomáš Páleníček, Ph.D.
EU PROMENS Capacity-building on mental health: multidisciplinary training programme and exchange programme for health professionals	HADEA/2023/ OP/0020	GFA Consulting Group GmbH	PhDr. Petr Winkler, Ph.D.

Joint Action addressing DEmentia and HEALTH	101183247	FUNDESALUD Spain	MUDr. Matěj Kučera
HARMONY – Healthy and resilient mindset with an organized, nurturing, and digital workplace for you	101187046	RIGAS STRADINA UNIVERSITATE	Mgr. Lucie Havlíková
REACHMIND-Refugee, Education, And Children Mental health IN Development: Empowering children, parents and teachers in promoting and protecting refugee, migrant and minority children's mental health	101190350	INTERNATIONAL ORGANIZATION FOR MIGRATION	PhDr. Petr Winkler, Ph.D.
Democratization at stake? Comparing Anti-Gender Politics in CEE and NME countries (Antigender-Politics)	CA23149	University Bochum	PhDr. Pavla Doležalová, Ph.D.
INTEGRATE - Interdisciplinary Network for Training, Education, and Growing Research into Applications of and Therapeutic Expertise around Psychedelics	101226862	ACADEMISCH ZIEKENHUIS GRONINGEN	MUDr. Tomáš Páleníček, Ph.D.
JA PRISM: Prevention oriented Rights-based approach to Support Mental health in vulnerable population groups	101233316	ASOCIACIÓN INSTITUTO DE INVESTIGACIÓN EN SISTEMAS DE SALUD-BIOSISTEMAK	Mgr. Eva Tušková, Ph.D.
MOMental - Cross-Border Collaboration for Maternal Mental Health in Crisis Settings	KA220-ADU	Roditelji u Akciji, Birth Forward, NGO Ukrainian Midwives' Union	MUDr. Antonín Šebela, Ph.D.

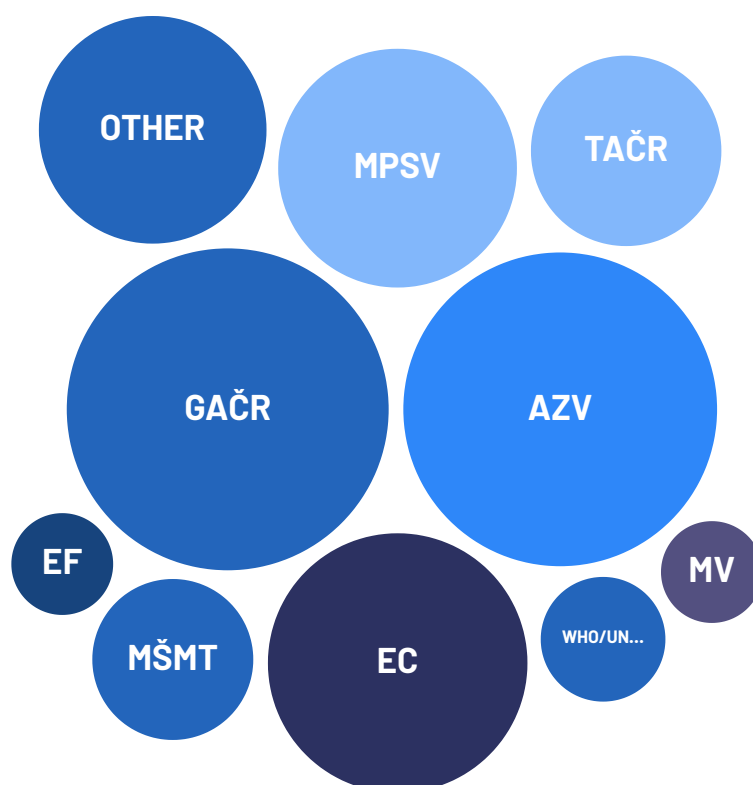
Cost Action: Psychedelic renaissance: turn on, tune in and drop in(PSY-NET)	CA24130	NUDZ	MUDr. Tomáš Páleníček, Ph.D.
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WHO/UNICEF			
National Consultancy to Strengthen MHPSS Capacity for Labor Offices, Integration Centers and MoEYS professionals in Czechia	UNICEF	NUDZ	PhDr. Petr Winkler, Ph.D.
WHO – Collaborating Centre	WHO	NUDZ	PhDr. Petr Winkler, Ph.D.

Other R&D support			
The Kooperativa Foundation supports the mental health of mothers and their children	Donation agreement Nk67/2021	NUDZ	MUDr. Antonín Šebela, Ph.D.
Psychedelic Research Endowment Fund: Activities and research on the antidepressant potential of psilocybin and ketamine and the neurobiology of antidepressant effects	Endowment contribution	NUDZ	MUDr. Tomáš Páleníček, Ph.D.
Ultrasound sensing system (Central Bohemian Innovation Centre)	4228235	NUDZ	RNDr. Tomáš Petrásek, Ph.D.
(MEDEVAC) Capacity building in public mental health research and service development in Ukraine	MZ	NUDZ	PhDr. Petr Winkler, Ph.D.
Deep sleep deficit as a correlate of glymphatic dysfunction in psychotic illness (3.LF UK)	270423	NUDZ	MUDr. Radana Měrková
ESSM: A rat model of clitoral pleasure and clitorodinia	RG23-05	NUDZ	Dr. Jim Pfaus
CZECRIN	Cooperation agreement	Faculty of Medicine, Masaryk University, Brno	MUDr. Tomáš Novák, Ph.D.
ILIA study: Randomised controlled multicentre clinical trial of relapse monitoring using smartphones and web applications in patients with schizophrenia or schizoaffective disorder	VSF3_2021-120	Klinikum der Technischen Universität München	MUDr. Filip Španiel, Ph.D.
VR Drive Sim Pro – Police Edition – proof of concept	n/a	Space s.r.o.	Mgr. et Mgr. Iveta Fajnerová, Ph.D.

Funding providers and project numbers in 2025

Funding provider	Number of projects	NUDZ as lead recipient
Czech Health Research Council (AZV)	19	15
Czech Science Foundation (GAČR)	14	11
Technology Agency of the Czech Republic (TAČR)	6	1
Ministry of Labour and Social Affairs (MPSV)	5	5
Ministry of Education, Youth and Sports (MŠMT)	7	4
Ministry of the Interior (MV)	1	0
European Commission (EC)	15	1
WHO/UNICEF	2	2
Other R&D support	9	8
Total	78	47



Contract research 2025

Protocol number	Study title	Sponsor/CRO	Principal investigator
1346-0013	A phase III randomized, double-blind, placebo-controlled parallel group trial to examine the efficacy and safety of BI 425809 once daily over 26 week treatment period in patients with schizophrenia	Boehringer Ingelheim International GmbH/ IQVIA RDS CZ	MUDr. Mgr. Barbora Kohútová, Ph.D.
1346-0014	An open label, single arm, extension trial to eXamine long-term safety of BI 425809 once daily in patients with schizophrenia who have completed previous BI 425809 Phase III trials (CONNEX-X)	Boehringer Ingelheim International GmbH/ IQVIA RDS CZ	MUDr. Mgr. Barbora Kohútová, Ph.D.
IBA1156	First choice Antidepressants in - monitoring of GP's prescription habits in the Czech Republic - FIAT	Angelini Pharma / IBA / Mindpax	MUDr. Filip Španiel, Ph.D.
382-201-00001	A Phase 2/3, Multicenter, Randomized, Double-blind, Placebo-controlled Trial of the Safety and Efficacy of Flexible Doses of SEP-363856 as Adjunctive Therapy in the Treatment of Adults with Major Depressive Disorder	Otsuka Pharmaceutica I/CRO Syneos	Doc. MUDr. Martin Bareš, Ph.D.
67953964MDD 3003	VENTURA-LT; Phase 3: An Open-label, Long-term, Safety and Efficacy Study of Aticaprant as Adjunctive Therapy in Adult and Elderly Participants With Major Depressive Disorder (MDD)	Janssen Research & Development, LLC/CRO IQVIA	MUDr. Jiří Renka
NIRVANA-22423	A randomized, parallel-group treatment, Phase 2, double-blind, 2-arm pilot study to investigate the efficacy and safety of elinzanetant capsules compared with placebo capsules for treatment of sleep disturbances associated with menopause. BAY 3427080 / elinzanetant	Bayer, s. r. o.	Doc.MUDr. Jitka Bušková, Ph.D.

Contract research 2025

Protocol number	Study title	Sponsor/CRO	Principal investigator
COMP006	A Phase III, multicentre, randomised, double-blind, controlled study to investigate the efficacy, safety, and tolerability of two initial administrations of COMP360 in participants with treatment-resistant depression	Compass Pathway/CRO ICON	MUDr. Tomáš Páleníček, Ph.D.
BTL-699_CTCZ200	Evaluation of Changes in Brain Reward Pathway Activity after rTMS Therapy via fMRI	BTL Healthcare Technologies a.s.	doc. MUDr. Monika Klírová, Ph.D
NW-3509/023/III/2024	A Phase III, 52-week, prospective, randomized, double-blind, placebo-controlled, parallel-group, multi-center study, with a primary efficacy endpoint at 12 weeks, to determine the efficacy, safety, and tolerability, of fixed doses of 15 mg bid and 30 mg bid of evenamide as add-on in patients with documented treatment-resistant schizophrenia, which is not adequately controlled by a stable therapeutic dose of the patient's current antipsychotic medication(s).	Newron Pharmaceutica Is S.p.A /CRO Clinirx	MUDr. Miloslav Kopeček, Ph.D.

Science and research outputs

The following outputs were produced in 2025, classified by RIV category:

J – Jimp – Article in an impact-factor journal (WoS)	136
– of which Q1 according to WoS	69 (51 %)
Jsc, Jost – Article in a journal without an impact factor (Scopus and other databases)	9
B01. Book/monograph	3
C01. Chapter in a scientific monograph	2
G01. Organisation or hosting of a professional event	2

Publications in Q1 impact-factor journals according to WoS in 2025, listed alphabetically by first author. NUDZ authors are highlighted.

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Public engagement 2025

Art – A Journey to the Soul: concert series

In 2025, six classical music concerts were held as part of the Art – A Journey to the Soul series. Featuring outstanding Czech musicians, the concerts were free to attend and organised by the NUDZ Association. Performances took place in the NUDZ foyer and were open to patients, NUDZ staff and external visitors. More at [umenicestadoduse.cz](https://www.umenicestadoduse.cz).



9th Na hlavu Festival

The ninth Na hlavu Festival was held in cooperation with the Municipal Library of Prague. Its central theme was love. The festival ran from 27 February to 2 March 2025 at the Municipal Library of Prague, offering discussions, lectures and artistic performances. It is led by Dr Karolína Kuchařová, head of the Public Mental Health Research Programme. More at festivalnahlavu.cz.



Mind Laboratory

The Mind Laboratory lecture series takes place every autumn at the Municipal Library of Prague on Mariánské Square. In 2025, topics included sleep, consciousness, borderline personality disorder, modern therapies and depression. Speakers included Prof. Jiří Horáček, Assoc. Prof. Jitka Bušková and Assoc. Prof. Marek Preiss.



Public engagement 2025

Recruitment for the bone marrow donor register

On 28 April, NUDZ held a one-day recruitment event for volunteers wishing to join the bone marrow donor register. It took place at NUDZ from 2 pm to 5 pm, in cooperation with the Czech National Marrow Donor Registry.



Researchers' Night 2025

In 2025, the National Institute of Mental Health joined Researchers' Night for the first time. During this event, academic and research institutions open their doors to the public. Visitors enjoyed lectures, discussions, interactive virtual reality activities, tours of laboratories and other facilities, and the film Doktor na tripu, documenting the Amazon expedition of Dr Tomáš Páleníček and his team. The inaugural event took place on 26 September 2025 from 5 pm and attracted over 200 visitors. Admission was free. More at nocvedcu.cz.



NUDZ Conference 2025

On 6 November 2025, NUDZ held a conference marking the tenth anniversary of the National Institute of Mental Health. Guests included collaborating organisations, partners, representatives of other healthcare institutions, funding agencies and ministries. More at brand.nudz.cz/konference-nudz.



Clinical care



prof. MUDr. Pavel Mohr, Ph.D.
Deputy Director for Clinical
Care

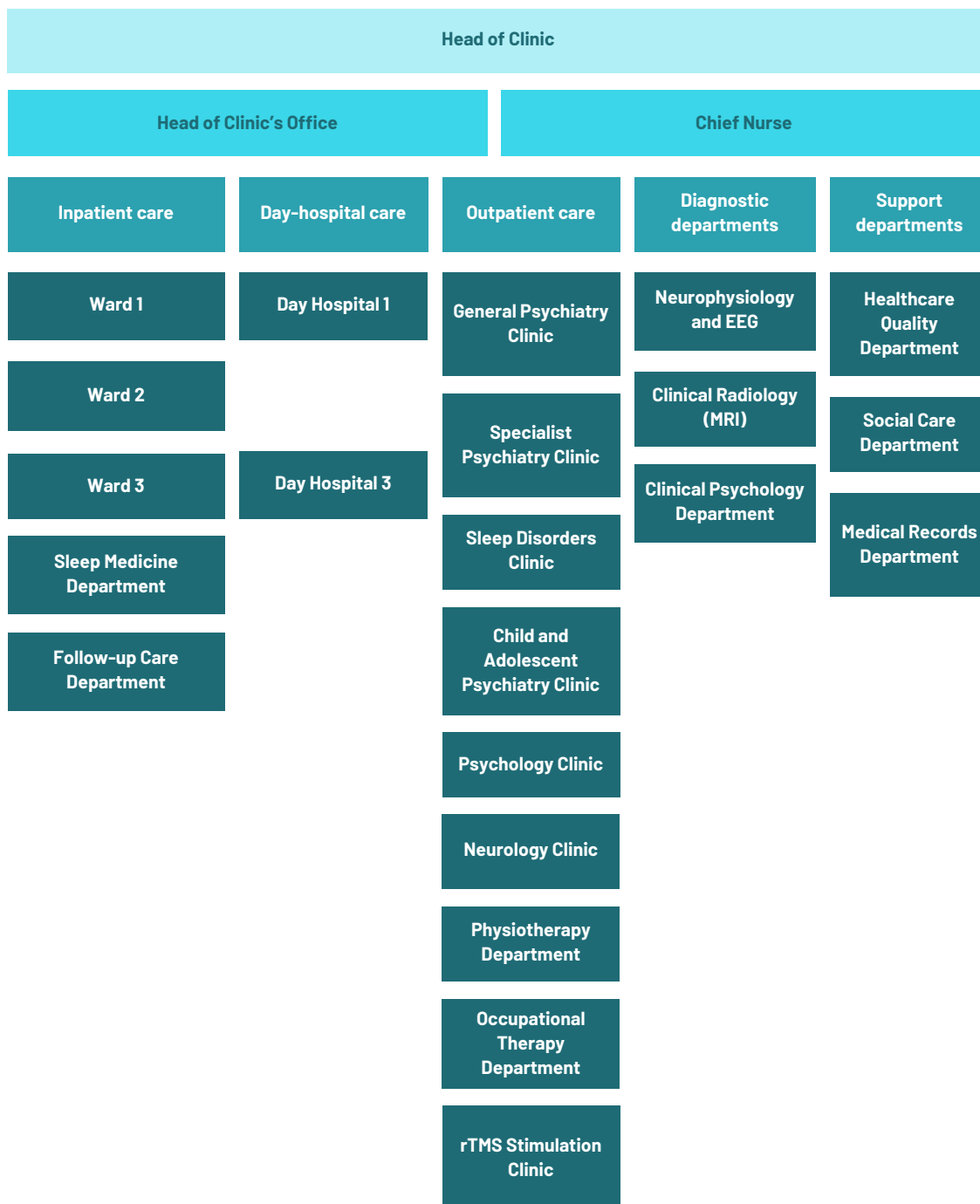
The NUDZ Clinic is primarily a specialist psychiatric hospital. It also provides treatment and diagnostic care in neurology, clinical psychology and radiology. Alongside clinical care, it provides teaching and serves as a teaching centre for the Faculty of Medicine (Department of Psychiatry and Medical Psychology, Third Faculty of Medicine, Charles University, Prague). It contributes to research in other NUDZ programmes and provides undergraduate and specialist training for physicians and psychologists, including a psychiatry residency programme for medical graduates. Its 55 psychiatric beds across three wards are supplemented by six beds in the Sleep Medicine Department, dedicated to specialised polysomnographic examinations.

Inpatient, outpatient and day-hospital services cover a wide range of the most serious mental disorders and directly support ongoing research programmes: psychotic disorders (early psychosis and treatment-resistant schizophrenia), affective disorders (depression and bipolar disorder), anxiety disorders (obsessive-compulsive disorder, panic disorder and agoraphobia, etc.) and sleep disorders.

In addition to acute inpatient care, we provide follow-up care where indicated. Diagnostics use both neuroimaging (magnetic resonance imaging) and electrophysiological methods (electroencephalography and polysomnography), as well as clinical psychology assessments. Outpatient services cover general psychiatry, geriatric psychiatry, clinical psychology, neurology and rehabilitation. Specialist clinics also provide care for bipolar disorder, early psychosis, affective disorders, sleep disorders and adult ADHD.

The perinatal psychiatry clinic assesses and supports mothers with symptoms of depression and anxiety immediately before and after childbirth. The neuromodulation department treats neuropsychiatric disorders using repetitive magnetic stimulation. The clinic also includes two day hospitals offering specialised therapeutic programmes for anxiety disorders and patients with psychotic disorders.

Organisational structure



Inpatient care

	Wards 1, 2, 3	Sleep Medicine Department	Follow-up Care Department
Total net inpatient reimbursement	82 897 802	8 457 795	4 071 147
Number of inpatient cases	437	796	121
Total case mix	1 080	153,11	
Average reimbursement per inpatient case	189 697	10 625	33 646

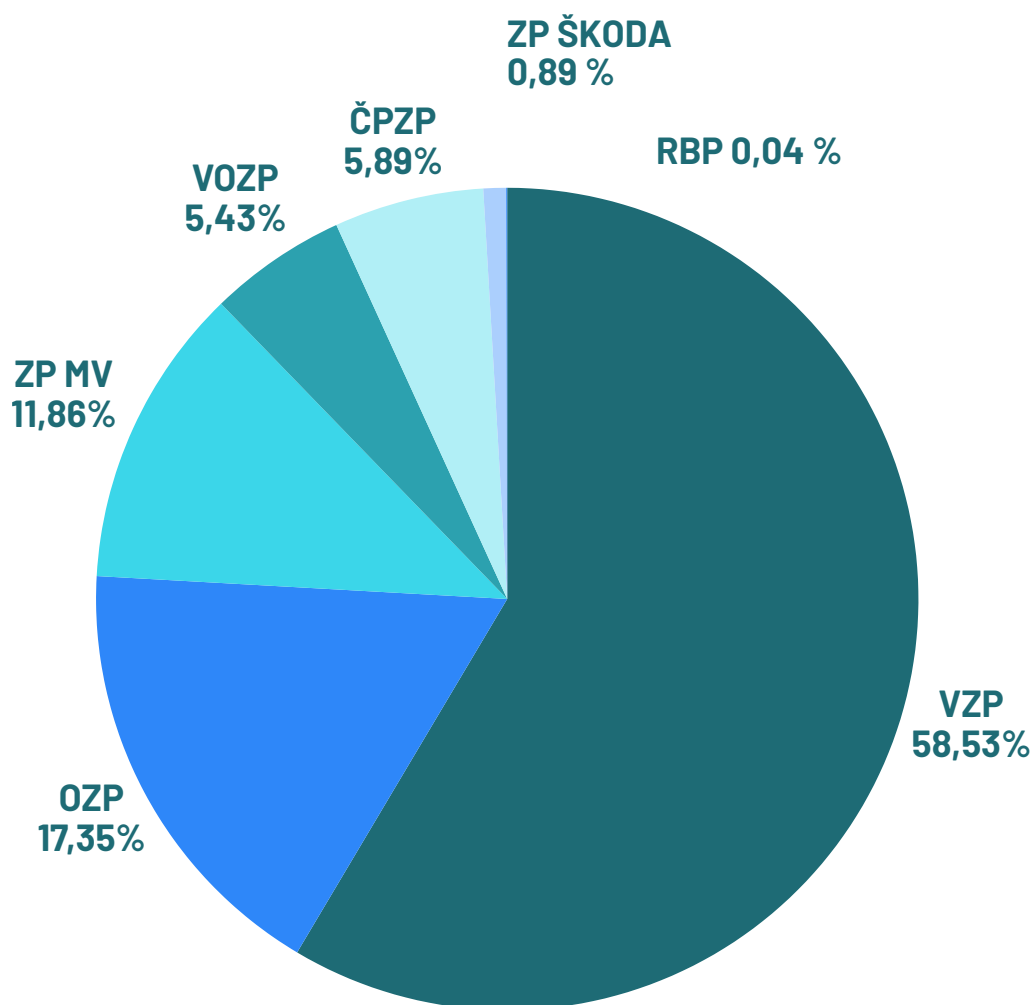
Day hospitals

	Number of points	Number of patients
Day Hospital 1	4 593 274	70
Day Hospital 3	5 336 996	46
Total	9 930 270	116

Outpatient and referred care

Outpatient care	Number of points
Psychiatry Clinic (specialty 305)	9 396 812
Child and Adolescent Psychiatry (specialty 306)	665 943
Clinical Psychology (specialty 901)	4 639 931
Neurology (specialty 209)	7 119 179
Physiotherapy and Occupational Therapy (specialty 902)	5 745 984
Radiology and Imaging – MRI (specialty 809)	2 234 142
Psychiatric Nurse (specialty 914)	89 906
Total	29 891 897
of which outpatient care only	17 865 417
of which referred care during hospitalisation	12 026 480

Health insurers' shares of total reimbursements in 2025



Finance and human resources



Ing. Lenka Menoušková
Deputy Director for Finance and Operations

In the 2025 financial year, NUDZ reported a deterioration in its financial results. The organisation recorded a pre-tax loss of CZK 49,932,621.90. Its principal activities generated a loss of CZK 50,059,169.83, while supplementary commercial activities generated a profit of CZK 126,547.93, meeting the statutory requirement for conducting commercial activities.

PRINCIPAL ACTIVITIES

Costs

Personnel costs were the largest expenditure item in the 2025 budget, reaching CZK 355,602,780. Total payroll costs increased by CZK 34 million year on year, including a CZK 27 million rise in salaries. This was primarily due to the general increase in public-sector pay scales from 1 January 2025 under Government Regulation No. 466/2024 Coll. of 18 December 2024. A second factor was the increase in staff numbers as NUDZ joined major projects under operational programmes.

Revenue

Revenue from NUDZ's principal activities increased significantly year on year, by CZK 34 million, or **15%.** **Transfer revenue**, including grants for scientific research projects, IPO-RVO funding, the founder's operating contribution and grants for residency positions, rose by CZK 34 million.

This reflected an increase in the founder's operating contribution from CZK 10 million to CZK 25 million and NUDZ's participation in projects with larger funding allocations, including international projects.

Other operating revenue increased by approximately CZK 5.2 million year on year, with contract research revenue making a significant contribution. By contrast, revenue from services fell by approximately CZK 5.7 million, or 4%, in 2025, mainly due to lower clinic revenue. Although the organisation's revenue grew year on year in 2025, this was insufficient to cover the substantial rise in operating costs.

SUPPLEMENTARY COMMERCIAL ACTIVITIES

Supplementary commercial activities comprise the operation of the NUDZ café and food preparation facility. Following growth in previous years, revenue from these activities fell slightly in 2025. It totalled CZK 3,983 thousand, compared with approximately CZK 4,065 thousand in 2024, a decrease of about 2%. This was probably due to a change in the supplier of staff meals. Costs also rose slightly, and together with lower revenue this reduced the financial result compared with the previous year. Supplementary commercial activities remain profitable and do not place a burden on the organisation's budget.

CASH FLOW AND OPERATING FINANCE

Cash flow developed in line with the plan. At the end of 2025, the organisation received two non-capital operating contributions from its founder, totalling CZK 25.2 million, to supplement funding for its regular activities. These primarily covered salaries, statutory contributions and contributions to the Cultural and Social Needs Fund (FKSP) for administrative and technical staff whose costs were not funded by external grants or health insurer revenue. The founder's operating contributions remain crucial to the organisation.

CONCLUSIONS AND OUTLOOK

The past financial year was challenging for the organisation. Although revenue increased, its growth did not cover rising operating costs, and the organisation ended the year with a loss.

A financial management audit carried out at the end of the year identified several areas requiring greater attention and more efficient financial processes. Its findings confirmed the need for measures to strengthen the organisation's financial stability.

Following the audit, steps were initiated to improve operational efficiency, refine financial management and establish clearer rules for managing the organisation's funds. These measures aim to ensure sustainable operations over the long term and create stable conditions for further development.

Assets and liabilities: balances and movements

Tangible and intangible fixed assets

Accounts 028 and 029 recorded asset disposals of CZK 2,333,737.54 in 2025. Acquisitions mainly comprised IT equipment, PCs and laptops, purchased using grant funds in line with budgets and grant conditions. Accounts 018 and 019 recorded disposals of CZK 63,290.26; licences were acquired. Account 013 (software) recorded disposals of CZK 505,741.28. A financial management information system was acquired.

Inventories

In 2025, routine movements in account 112 changed the linen/footwear balance from CZK 457,115.50 in January to CZK 189,821.77 at year end; cleaning, household and hygiene supplies from CZK 45,491.14 to CZK 41,767.64; maintenance supplies from CZK 413.09 to CZK 555.39; and office supplies from CZK 51,466.67 to CZK 57,477.71. Medical supplies had a balance of CZK 348.12.

Account 132, relating to supplementary activities, had an actual inventory balance of CZK 32,532.73 under method B. This comprises café and food preparation supplies.

Receivables

Account 311 had a balance of CZK 249,384.93 at 31 December 2025. Account 315 (other receivables from principal activities) had a zero balance both in January and at year end. Estimated receivables totalled CZK 17,410,529.62, mainly estimated health insurer revenue at 31 December 2025. The organisation has no overdue receivables, conducts no enforcement or insolvency proceedings, and has neither pursued nor assigned any receivables for collection.

Liabilities

Liabilities to health insurers, social security institutions and employees were settled on **time**. **Estimated** payables totalled CZK 3,213,893.87, relating to goods received but not yet invoiced, such as medicines, and services including water, sewerage, gas, security, MRI maintenance and catering.

Accruals and deferrals

Accrued expenses (account 383): CZK 493,657.53 at 31 December 2025.
Deferred income (account 384): CZK 351,580.39 at 31 December 2025.
Prepaid expenses (account 381): CZK 1,988,753.56 at 31 December 2025.
Accrued income (account 385): CZK 699,419.79 at 31 December 2025.

Taxes and provisions

The organisation recorded a loss in 2025. No tax arrears were recorded at the 2025 balance sheet date. No provisions for litigation were created, as NUDZ has no litigation that could give rise to liabilities.

Funds

The reserve fund balance at 31 December 2025 was CZK 8,516,633.84.

The asset replacement/investment fund balance at 31 December 2025 was CZK 10,070,141.42.

The Cultural and Social Needs Fund (FKSP) balance at 31 December 2025 was CZK 5,699,727.18.

Balance sheet 2025 (CZK thousand)

No.	Item	Acct.	2025 GROSS	2025 ADJUSTMENTS	2025 NET	2024 PRIOR YEAR
	TOTAL ASSETS		935 310	297 424	637 886	668 809
A.	Fixed assets		839 194	297 424	541 770	533 077
I.	Intangible fixed assets		82 066	46 515	35 551	12 848
1.	Intangible R&D results	012	3 350	2 428	923	1 317
2.	Software	013	72 101	37 472	34 628	11 531
3.	Intangible rights	014	0	0	0	0
4.	Emission allowances and preferential quotas	015	0	0	0	0
5.	Low-value intangible fixed assets	018	6 615	6 615	0	0
6.	Other intangible fixed assets	019	0	0	0	0
7.	Intangible assets under development	041	0	0	0	0
8.	Advances for intangible fixed assets	051	0	0	0	0
9.	Intangible fixed assets held for sale	035	0	0	0	0

No.	Item	Acct.	2025 GROSS	2025 ADJUSTMENTS	2025 NET	2024 PRIOR YEAR
II.	Tangible fixed assets		757 128	250 909	506 219	520 229
1.	Land	031	40 776	0	40 776	40 776
2.	Cultural artefacts	032	265	0	265	265
3.	Buildings	021	427 946	54 878	373 069	378 209
4.	Movable assets and sets of movable assets	022	227 989	140 965	87 025	96 200
5.	Permanent crops	025	0	0	0	0
6.	Low-value tangible fixed assets	028	55 067	55 067	0	0
7.	Other tangible fixed assets	029	0	0	0	0
8.	Tangible assets under construction	042	5 085	0	5 085	4 779
9.	Advances for tangible fixed assets	052	0	0	0	0
10.	Tangible fixed assets held for sale	036	0	0	0	0
III.	Long-term financial assets		0	0	0	0
1.	Equity interests in controlled entities	061	0	0	0	0
2.	Equity interests in associates	062	0	0	0	0
3.	Debt securities held to maturity	063	0	0	0	0
5.	Long-term term deposits	068	0	0	0	0
6.	Other long-term financial assets	069	0	0	0	0
IV.	Long-term receivables		0	0	0	0
1.	Long-term repayable financial assistance	462	0	0	0	0
2.	Long-term receivables from assigned loans	464	0	0	0	0
3.	Long-term advances paid	465	0	0	0	0
5.	Other long-term receivables	469	0	0	0	0
6.	Long-term transfer advances paid	471	0	0	0	0

No.	Item	Acct.	2025 GROSS	2025 ADJUSTMENTS	2025 NET	2024 PRIOR YEAR
B.	Current assets		96 116	0	96 116	135 732
I.	Inventories		950	0	950	650
1.	Materials acquisition	111	0	0	0	0
2.	Materials in stock	112	917	0	917	555
3.	Materials in transit	119	0	0	0	0
4.	Work in progress	121	0	0	0	0
5.	Own-manufactured semi-finished products	122	0	0	0	0
6.	Finished products	123	0	0	0	0
7.	Goods acquisition	131	0	0	0	0
8.	Goods in stock	132	33	0	33	95
9.	Goods in transit	138	0	0	0	0
10.	Other inventories	139	0	0	0	0
II.	Short-term receivables		38 937	0	38 937	45 286
1.	Trade receivables	311	249	0	249	323
4.	Short-term advances paid	314	1 253	0	1 253	1 295
5.	Other receivables from principal activities	315	0	0	0	0
6.	Short-term repayable financial assistance	316	0	0	0	0
9.	Employee receivables	335	0	0	0	0
10.	Social security	336	0	0	0	0
11.	Health insurance	337	0	0	0	0
12.	Pension savings	338	0	0	0	0
13.	Income tax	341	0	0	0	0
14.	Other taxes, fees and similar charges	342	0	0	0	0
15.	Value added tax	343	0	0	0	0
16.	Receivables from entities outside selected government institutions	344	0	0	0	0
17.	Receivables from selected central government institutions	346	17 336	0	17 336	9 858

No.	Item	Acct.	2025 GROSS	2025 ADJUSTMENTS	2025 NET	2024 PRIOR YEAR
18.	Receivables from selected local government institutions	348	0	0	0	0
28.	Short-term transfer advances paid	373	0	0	0	0
30.	Prepaid expenses	381	1 989	0	1 989	1 109
31.	Accrued income	385	699	0	699	654
32.	Estimated receivables	388	17 411	0	17 411	32 047
33.	Other short-term receivables	377	0	0	0	0
III.	Short-term financial assets		56 229	0	56 229	89 796
1.	Equity securities held for trading	251	0	0	0	0
2.	Debt securities held for trading	253	0	0	0	0
3.	Other securities	256	0	0	0	0
4.	Short-term term deposits	244	0	0	0	0
5.	Other current accounts	245	10 061	0	10 061	9 522
9.	Current account	241	40 237	0	40 237	72 817
10.	FKSP current account	243	5 819	0	5 819	7 343
15.	Cash equivalents	263	0	0	0	0
16.	Cash in transit	262	0	0	0	0
17.	Cash on hand	261	112	0	112	114

No.	Item	Acct.	CURRENT 2025	PRIOR YEAR 2024
	TOTAL EQUITY AND LIABILITIES		637 886	668 809
C.	Equity		506 051	556 964
I.	Entity capital and adjustments		568 059	567 907
1.	Entity capital	401	4 072	4 620
3.	Transfers for the acquisition of fixed assets	403	536 626	527 821
4.	Exchange differences	405	0	0
5.	Valuation differences on initial adoption of a method	406	0	0
6.	Other valuation differences	407	0	0
7.	Prior-period corrections	408	27 361	35 466
II.	Entity funds		24 287	28 419
1.	Bonus fund	411	0	0
2.	Cultural and Social Needs Fund	412	5 700	7 380
3.	Reserve fund from improved financial results	413	0	0
4.	Reserve fund from other sources	414	8 517	11 517
5.	Asset replacement/investment fund	416	10 070	9 522
III.	Financial result		-86 294	-39 361
1.	Current-period financial result		-49 933	-39 361
2.	Financial result pending approval	431	0	0
3.	Prior-period financial results	432	-36 361	0
D.	Liabilities		131 835	111 845
I.	Provisions		6 356	0
1.	Provisions	441	6 356	0
II.	Long-term liabilities		219	202
1.	Long-term loans	451	0	0
2.	Long-term repayable financial assistance received	452	0	0
4.	Long-term advances received	455	219	202

No.	Item	Acct.	CURRENT 2025	PRIOR YEAR 2024
7.	Other long-term liabilities	459	0	0
8.	Long-term transfer advances received	472	0	0
III.	Short-term liabilities		125 260	111 643
1.	Short-term loans	281	0	0
4.	Other short-term borrowings	289	0	0
5.	Trade payables	321	0	0
7.	Short-term advances received	324	0	30
9.	Short-term repayable financial assistance received	326	0	0
10.	Employees	331	18 447	17 598
11.	Other employee liabilities	333	68	95
12.	Social security	336	7 061	6 894
13.	Health insurance	337	3 056	2 977
14.	Pension savings	338	0	0
15.	Income tax	341	0	0
16.	Other taxes, fees and similar charges	342	2 388	2 302
17.	Value added tax	343	0	0
18.	Liabilities to entities outside selected government institutions	345	0	0
19.	Liabilities to selected central government institutions	347	0	0
20.	Liabilities to selected local government institutions	349	0	0
32.	Short-term transfer advances received	374	89 804	78 290
35.	Accrued expenses	383	494	115
36.	Deferred income	384	352	16
37.	Estimated payables	389	3 214	2 966
38.	Other short-term liabilities	378	377	360

Income statement 2025 (CZK thousand)

No.	Item	Acct.	2025 Principal activities	2025 Commercial activities	2024 Principal activities	2024 Commercial activities
A.	TOTAL COSTS		446 640	3 856	402 522	3 822
I.	Operating costs		446 446	3 856	402 499	3 822
1.	Materials consumed	501	12 224	2 449	11 523	2 389
2.	Energy consumed	502	7 967	199	10 057	281
3.	Other non-stock supplies consumed	503	0	0	0	0
4.	Cost of goods sold	504	0	0	0	0
5.	Capitalisation of fixed assets	506	0	0	0	0
6.	Capitalisation of current assets	507	0	0	0	0
7.	Change in own-produced inventories	508	0	0	0	0
8.	Repairs and maintenance	511	1 509	0	1 026	0
9.	Travel expenses	512	5 817	0	4 299	0
10.	Representation expenses	513	657	0	385	0
11.	Capitalisation of internal services	516	0	0	0	0
12.	Other services	518	29 798	78	28 318	77
13.	Wages and salaries	521	265 637	852	239 016	807
14.	Statutory social insurance	524	85 239	268	77 930	256
15.	Other social insurance	525	1 059	3	969	3
16.	Statutory employee benefit costs	527	2 538	8	2 347	8
17.	Other employee benefit costs	528	0	0	0	0
18.	Road tax	531	0	0	0	0
19.	Property tax	532	29	0	79	0
20.	Other taxes and fees	538	178	0	46	0
22.	Contractual penalties and late-payment interest	541	0	0	0	0

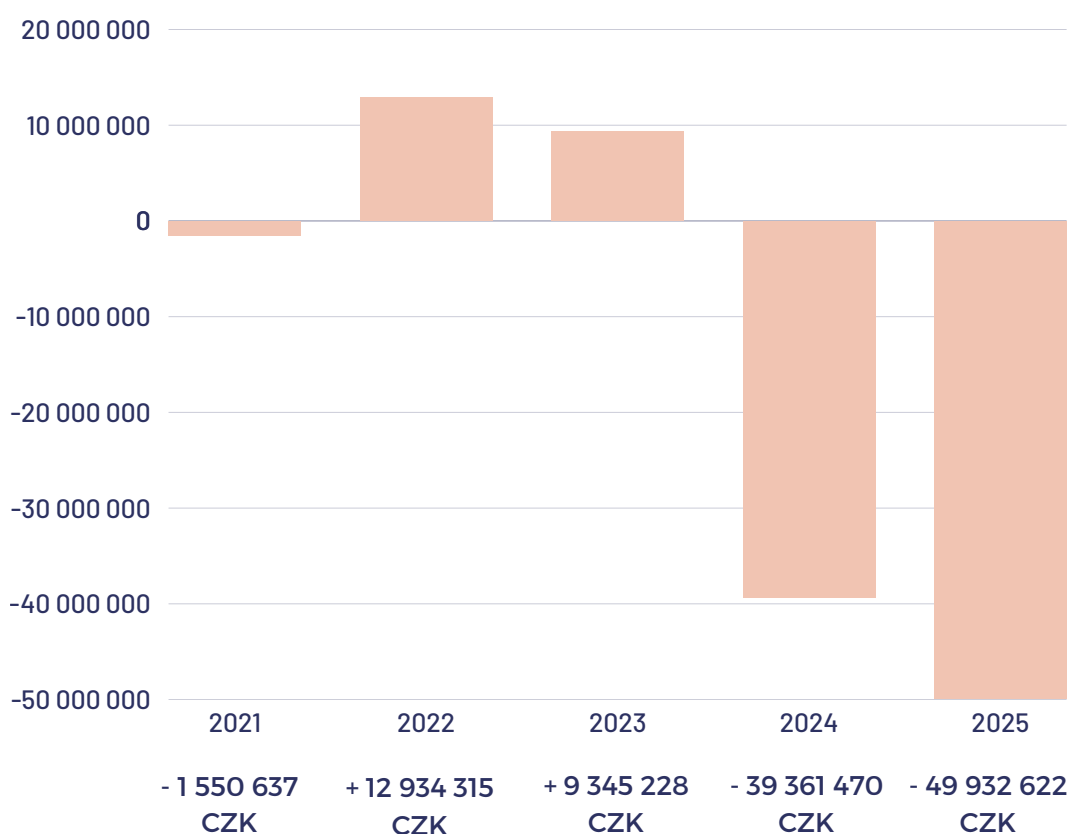
No.	Item	Acct.	2025 Principal activities	2025 Commercial activities	2024 Principal activities	2024 Commercial activities
23.	Other fines and penalties	542	1	0	50	0
24.	Gifts and other gratuitous transfers	543	0	0	0	0
25.	Cost of materials sold	544	0	0	0	0
26.	Inventory shortages and damage	547	11	0	4	1
27.	Allocations to funds	548	0	0	0	0
28.	Depreciation and amortisation of fixed assets	551	22 466	0	22 274	0
29.	Net book value of intangible assets sold	552	0	0	0	0
30.	Net book value of tangible assets sold	553	0	0	0	0
31.	Cost of land sold	554	0	0	0	0
32.	Creation and release of provisions	555	6 356	0	0	0
33.	Creation and release of impairment allowances	556	0	0	0	0
34.	Written-off receivables	557	0	0	0	0
35.	Low-value fixed asset costs	558	2 732	0	2 538	0
36.	Other operating costs	549	2 230	0	1 638	0
II.	Finance costs		194	0	23	0
1.	Cost of securities and equity interests sold	561	0	0	0	0
2.	Interest	562	0	0	0	0
3.	Exchange losses	563	194	0	23	0
4.	Losses on fair value remeasurement	564	0	0	0	0
5.	Other finance costs	569	0	0	0	0
III.	Transfer costs		0	0	0	0
1.	Transfer costs of selected central government institutions	571	0	0	0	0
2.	Transfer costs of selected local government institutions	572	0	0	0	0
V.	Income tax		0	0	0	0
1.	Income tax	591	0	0	0	0
2.	Additional income tax assessments	595	0	0	0	0

No.	Item	Acct.	2025 Principal activities	2025 Commercial activities	2024 Principal activities	2024 Commercial activities
B.	TOTAL REVENUE		396 580	3 983	362 917	4 065
I.	Operating revenue		128 640	3 983	129 095	4 065
1.	Revenue from own products	601	0	0	0	0
2.	Revenue from services	602	121 173	3 983	126 868	4 065
3.	Rental revenue	603	0	0	0	0
4.	Revenue from goods sold	604	0	0	0	0
8.	Other revenue from own activities	609	0	0	0	0
9.	Contractual penalties and late-payment interest	641	0	0	0	0
10.	Other fines and penalties	642	0	0	0	0
11.	Revenue from written-off receivables	643	0	0	0	0
12.	Revenue from materials sold	644	0	0	0	0
13.	Revenue from intangible fixed assets sold	645	0	0	0	0
14.	Revenue from tangible fixed assets sold, excluding land	646	0	0	0	0
15.	Revenue from land sold	647	0	0	0	0
16.	Drawdown of funds	648	0	0	0	0
17.	Other operating revenue	649	7 468	0	2 226	0
II.	Finance income		61	0	44	0
1.	Revenue from securities and equity interests sold	661	0	0	0	0
2.	Interest	662	0	0	0	0
3.	Exchange gains	663	61	0	44	0
4.	Gains on fair value remeasurement	664	0	0	0	0
6.	Other finance income	669	0	0	0	0
IV.	Transfer revenue		267 879	0	233 779	0
1.	Transfer revenue of selected central government institutions	671	267 879	0	233 779	0
2.	Transfer revenue of selected local government institutions	672	0	0	0	0
C.	FINANCIAL RESULT					
1.	Pre-tax financial result	-	-50 059	127	-39 605	243
2.	Current-period financial result	-	-50 059	127	-39 605	243

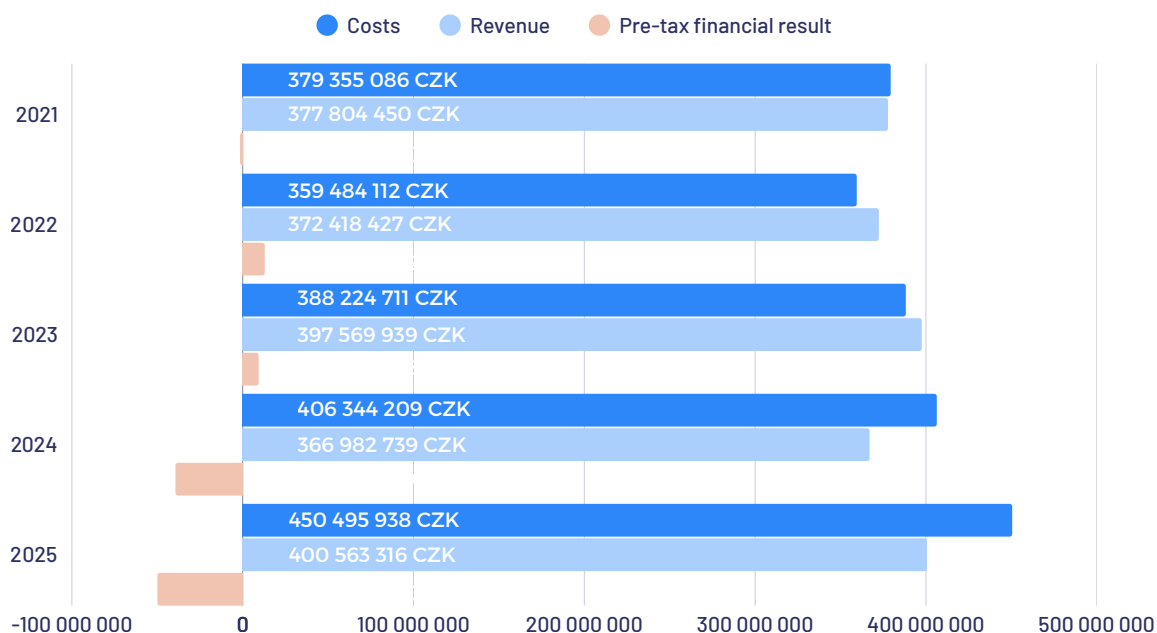
Institutional and grant funding over the last five years (CZK thousand)

Year	Institutional support (IPO-RVO)	Operating contribution	Other institutional support	Total IF	Grant funding (recognised grants)	Total recognised transfers	Grant share	IF share
2025	50 553	25 191	0	75 744	192 135	267 879	71,72%	28,28%
2024	50 041	10 000	0	60 041	173 738	233 779	74,32%	25,68%
2023	50 041	15 000	0	65 041	191 856	256 897	74,68%	25,32%
2022	48 280	25 000	0	73 280	178 634	251 914	70,91%	29,09%
2021	49 406	50 000	11 132	110 538	183 012	293 550	62,34%	37,66%

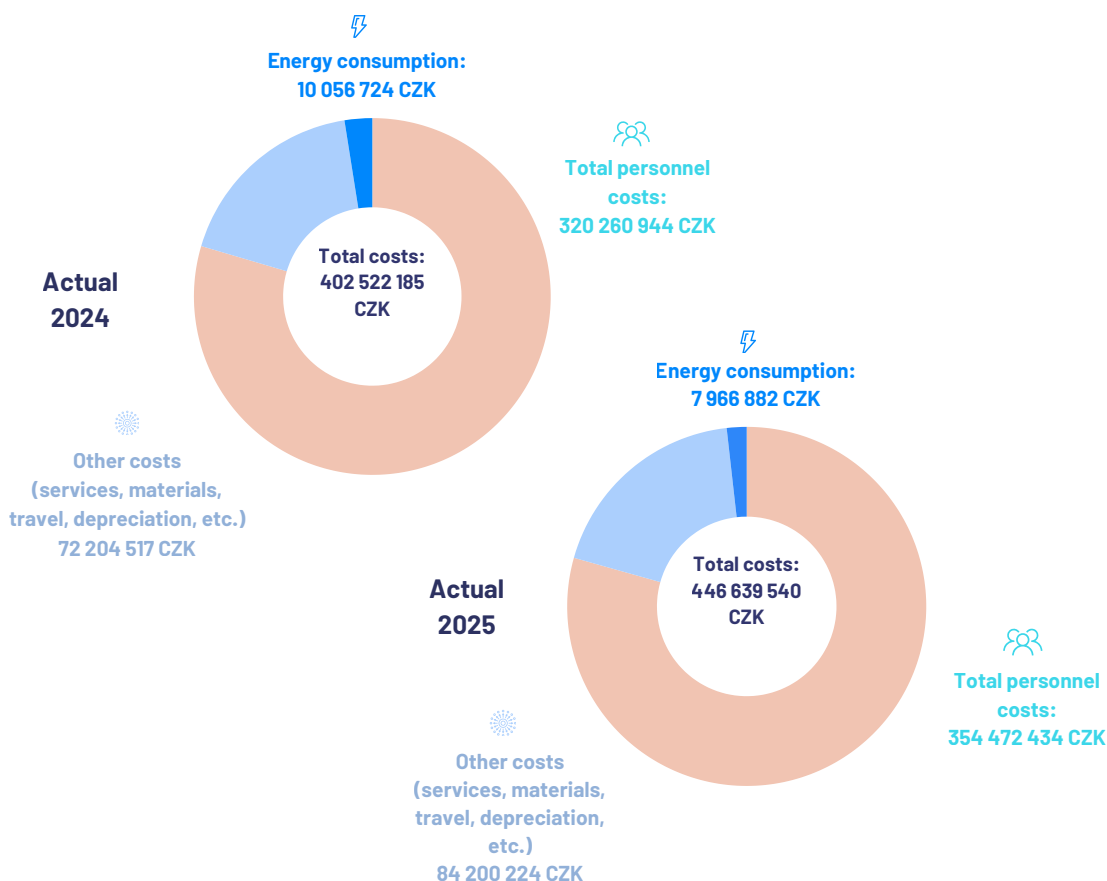
NUDZ pre-tax financial results



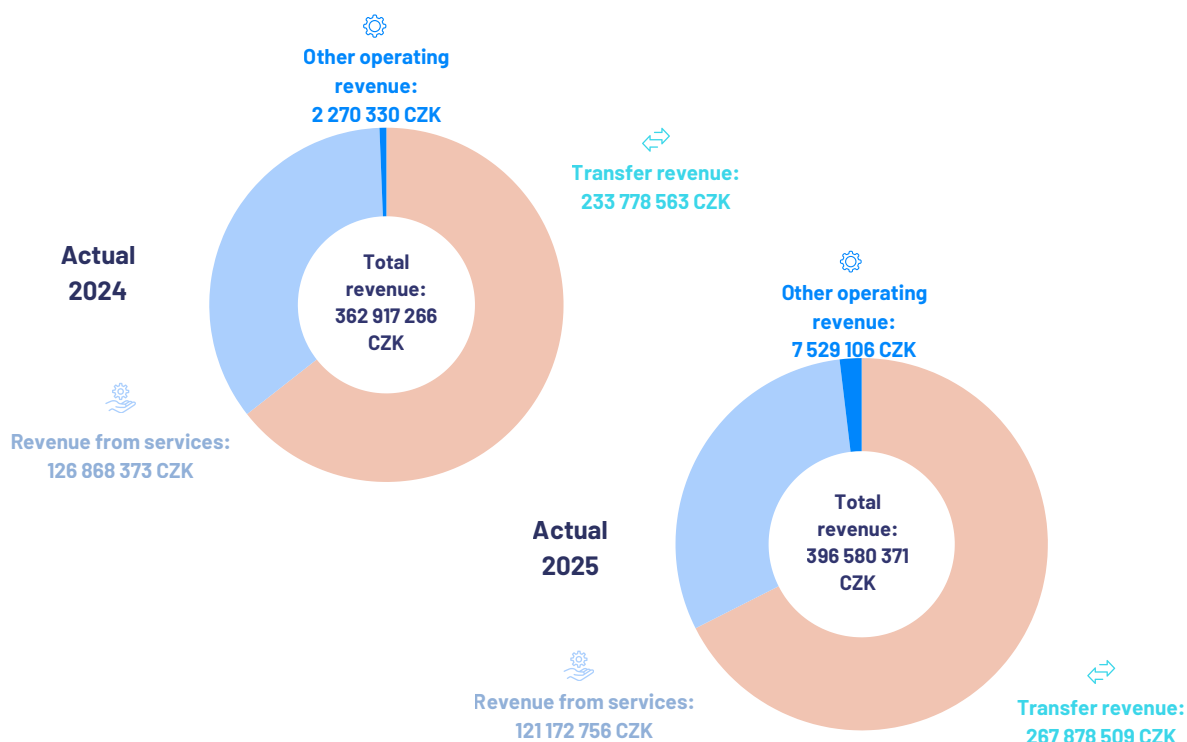
NUDZ financial performance in detail, before tax



Cost comparison for 2024 and 2025 – principal activities



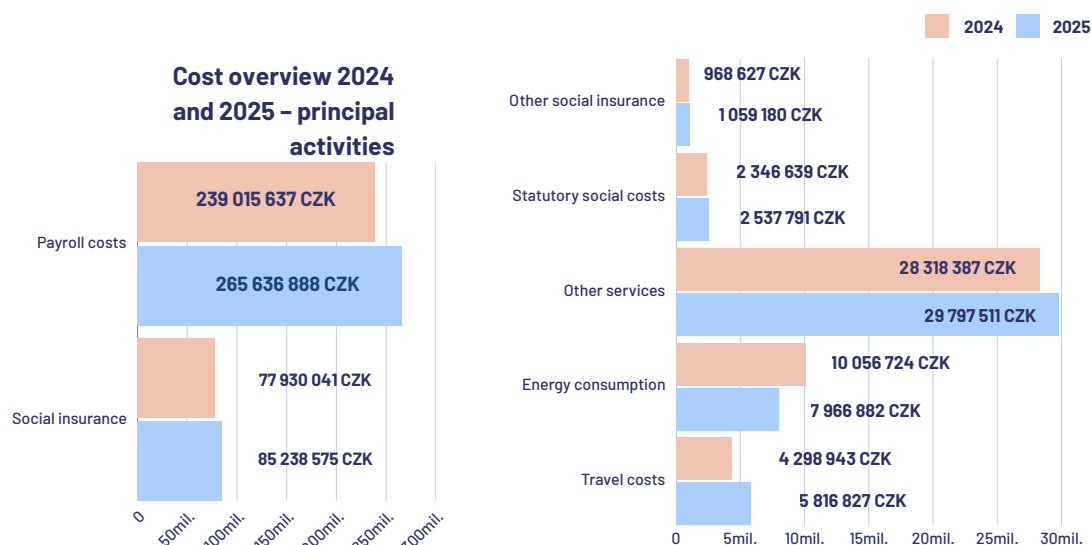
Revenue comparison for 2024 and 2025 – principal activities



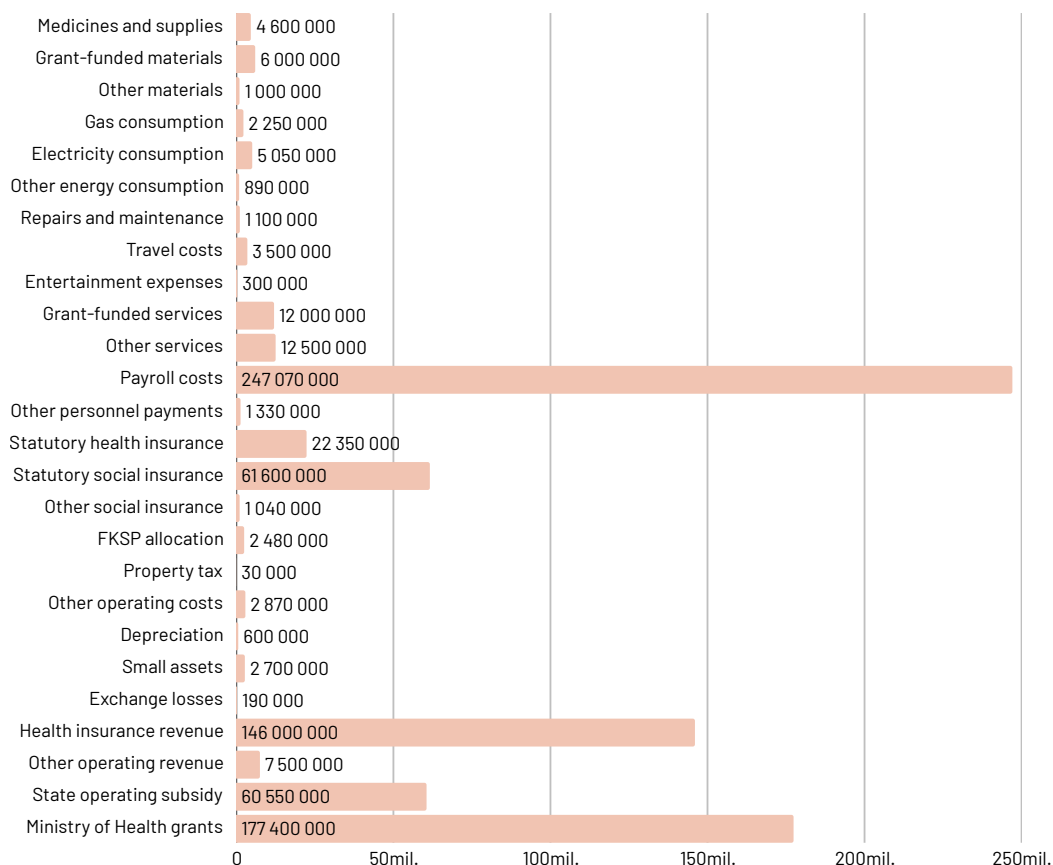
NUDZ financial results 2020–2025 (CZK)

	2020	2021	2022	2023	2024	2025
Material consumption	20 292 486	19 319 986	18 583 873	15 345 018	13 912 391	14 672 262
Of which: medicines	3 993 781	3 272 878	3 995 916	3 981 380	3 175 849	2 863 065
Energy consumption	6 021 458	5 669 159	9 804 332	8 371 997	10 337 764	8 165 710
Services	21 423 848	20 863 263	21 273 493	35 548 104	28 395 353	29 875 978
Personnel costs (excl. contributions)	218 619 508	220 512 303	205 718 729	221 956 932	239 823 016	266 488 443
Depreciation	16 140 842	31 333 034	20 814 938	21 820 388	22 274 231	22 465 545
Other costs	83 256 486	81 657 341	83 288 747	85 182 272	91 601 454	105 964 935
Total costs	365 754 628	379 355 086	359 484 112	388 224 711	406 344 209	450 495 938
Operating revenue	69 659 931	84 251 946	120 493 020	140 664 418	133 159 996	132 623 340
Financial revenue	11 262	1 033	10 358	6 989	44 180	61 467
Transfer revenue	289 610 127	293 551 470	251 915 049	256 898 532	233 778 563	267 878 509
Total revenue	359 281 320	377 804 450	372 418 427	397 569 939	366 982 739	400 563 316
Pre-tax financial result	-6 473 308	-1550 637	12 934 315	9 345 228	-39 361 470	-49 932 622

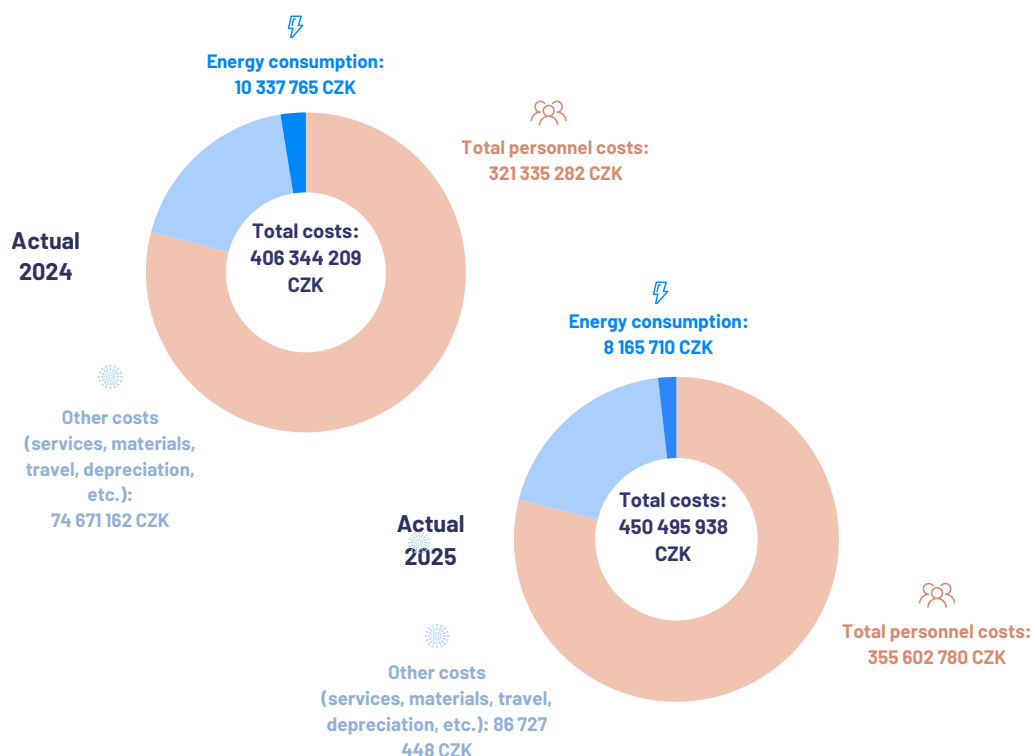
Selected total costs in 2024 and 2025



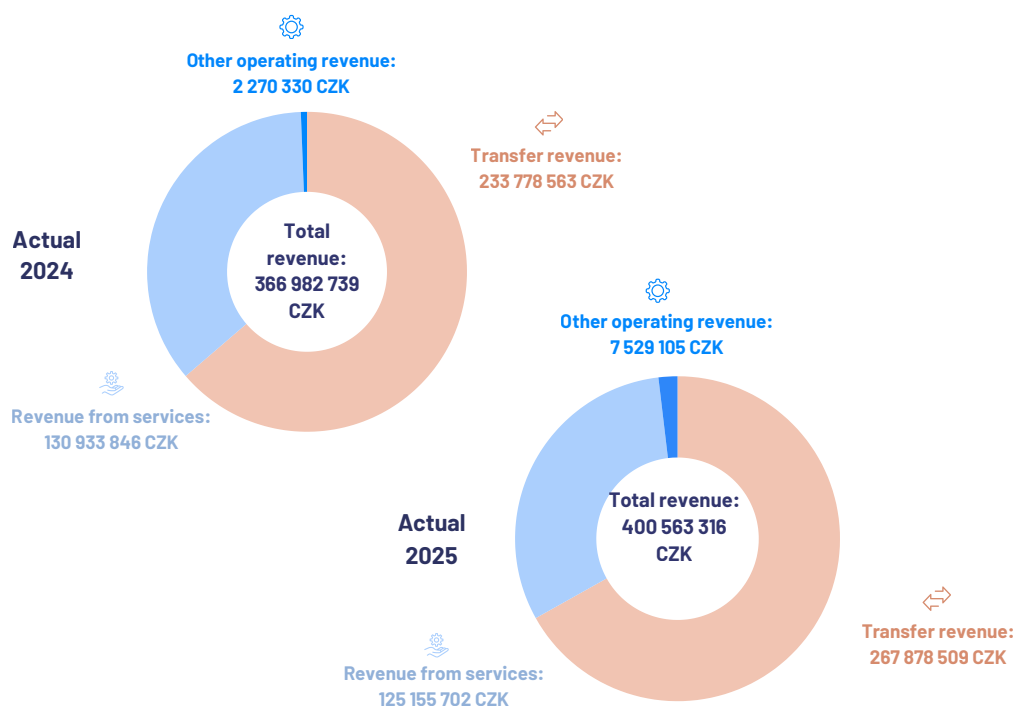
Approved budget for 2026 (CZK)



Financial comparison 2024 and 2025 – total costs



Financial comparison 2024 and 2025 – total revenue



Employees and collaborators (as at 31 December 2025)

483

employees
(incl. parental and
maternity leave)

338

full-time
equivalent
employees

307

interns

396

DPČ/DPP

199

research
staff

3

staff with
disabilities
(4 FTE)

70,6 %

women



266 488 443

Salaries incl. other personnel payments
(CZK) – total

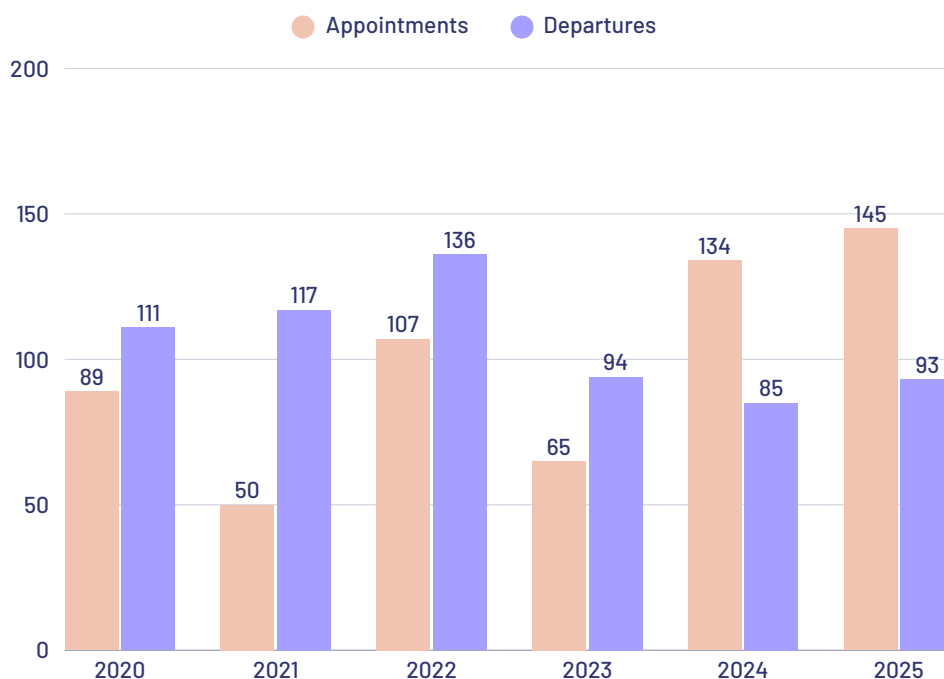
86 568 630

Employer contributions (CZK)
– total

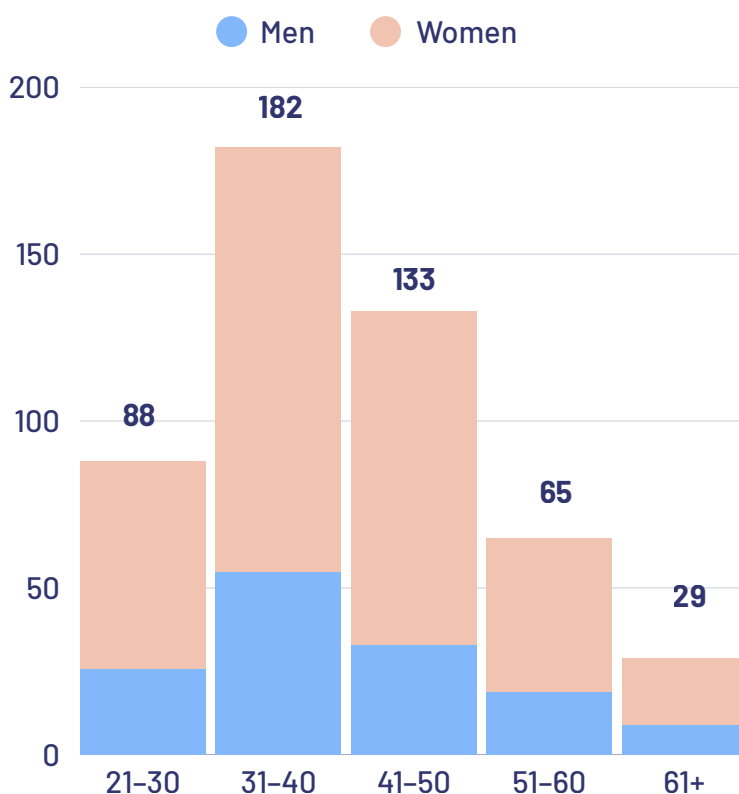
2 464 249

FKSP contributions (CZK)
– total

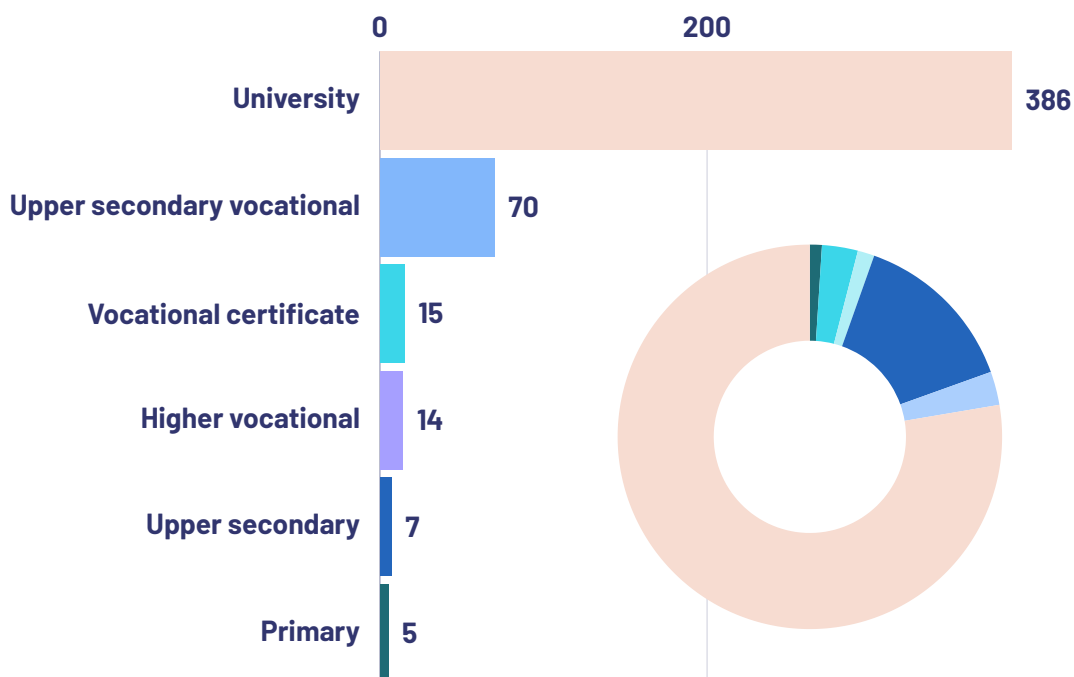
Employee appointments and departures



Employees by age and gender (as at 31 December 2025)



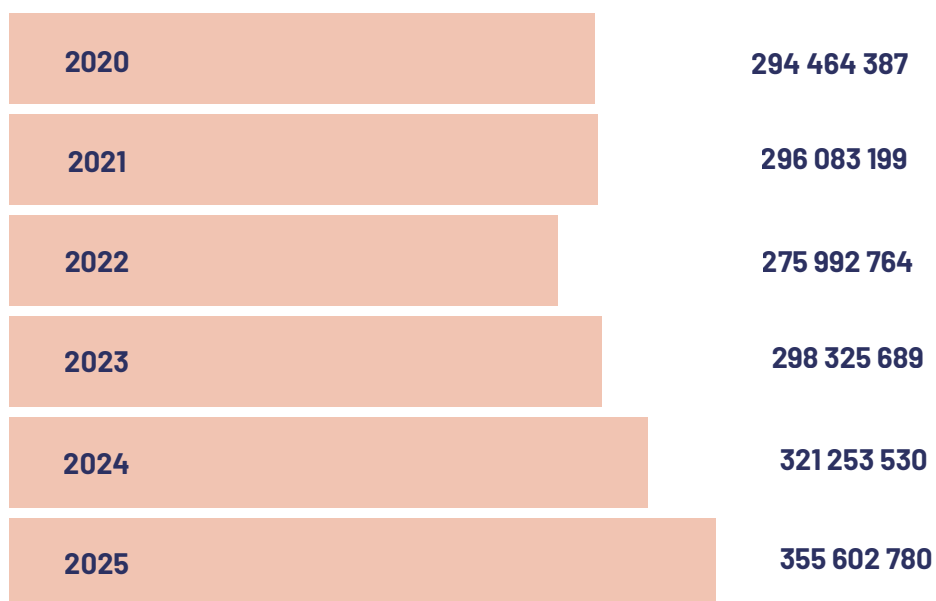
Employees by education (as at 31 December 2025)



Payroll costs over the last five years



Personnel costs (incl. contributions, CZK)



Average salary (CZK) (excl. other personnel payments)

