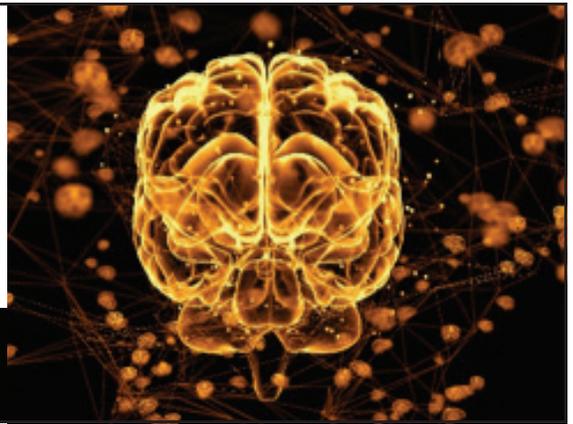


M E D P A C E

NEURODEGENERATIVE DISEASES

Experts. Experience. Execution.

Discover the **POWER OF X™**



## Medpace Strategy for Neurodegenerative Disease Studies

Medpace has the expertise and experience to design and conduct successful studies in this active, complex and evolving area.

Neurodegenerative Diseases span a wide range of illnesses including Alzheimer's disease, Parkinson's disease, and Huntington's disease. These diseases affect many individuals by causing nerve cells in the brain or peripheral nervous system to lose function over time and ultimately die. Risk of developing a neurodegenerative disease increases substantially with age and there is currently no cure or way to slow disease progression. Recently, trials have begun to focus on small genetically defined populations within the larger patient population.

## Why choose Medpace for a neurodegenerative disease study?

### Experts

Medpace neurology physicians have deep backgrounds in conducting complex symptomatic and disease modification studies, including psychiatry, for those neurodegenerative diseases (Alzheimer's, Huntington's, Parkinson's) which have both neurological and behavioral elements. Our teams have embedded physician leadership throughout the duration of the study. Other key specialties of our physicians include pain, stroke, neuromuscular, seizure disorders, neuroimaging, depression, and addiction.

### Experience

Medpace has experience in rare disease indications that are very relevant for these and many other neurologic indications. Rare Disease studies have similar elements to neurodegenerative studies based on the ability to conduct studies with hard to find patients and similar endpoints. Medpace not only has experience with these studies, but our experts bring in their collective experience from their entire careers.

### Execution

Medpace's full-service model allows for efficiencies to be built into each study. Our size allows us to utilize the resources of a global CRO, while remaining flexible and customizable to the needs of each individual study. Our integrated services allow easy communication and seamless project management.

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## Integrated Services

Medpace has many services in our full-service model. Integrating core clinical trial services delivers efficient and streamlined execution and higher quality results.

### ePRO Capabilities

Patient reported outcomes are important in neurodegenerative studies. Patients, family or caregivers can measure symptoms and progress electronically in real time, yielding more accurate data. The Medpace ePRO system is flexible and customizable to fit any study needs. This system combats compliance issues with automated reminders and alerts for patients – experiencing over 95% compliance on some studies. Medpace also has experience with passive monitors installed in patients' homes.

Medpace is experienced with using our ePRO system, utilizing it in 50% of our studies. The ePRO system is seamlessly integrated into our CTMS, ClinTrak® EDC. This integration allows for a clean flow of data from the ePRO directly to EDC. Sites can access the data if necessary, reducing issues in data variability.

### Imaging Expertise

Imaging is a critical tool in evaluating the underlying biology of degenerative diseases. Consistency is necessary in imaging of neurodegenerative disease over the course of months and years. Our dedicated team of experts ensures that each read is of consistent high quality. The integrated Core Labs allow seamless communication and ease of data transfer.

### Central Lab Capabilities

Medpace Central Laboratories has deep experience with biomarkers. These include amyloid, tau, and a variety of inflammatory markers. Medpace's central laboratory biomarker team is led by PhD level scientists who oversee the robust pipeline of new biomarker validations. The central lab validates all assays based on guidelines from the Clinical and Laboratory Standards Institute (CLSI) and in accordance with CAP and CLIA regulations. Medpace also has established micro particle brain assays.

Medpace's logistics senior management has years of experience in the central laboratory industry, providing the study team unparalleled support, including knowledge of global import/export regulations. Medpace manages logistics in the central lab for esoteric samples and can redistribute to other locations. Biorepository services allow preservation and long term storage of samples if required. Medpace experts receive superior training for complicated, complex studies. Our central lab team has the ability to do:

- Cerebral Spinal Fluid (CSF) sampling
- Brain sampling
- Lumbar puncture
- Kinetics and distributions of the drug
- Imaging, brain chemistry and volume of the brain
- Genotyping with a partner

## About Medpace

Medpace is a scientifically-driven, global, full-service clinical contract research organization (CRO) providing Phase I-IV clinical development services to the biotechnology, pharmaceutical and medical device industries. Medpace's mission is to accelerate the global development of safe and effective medical therapeutics through its high-science and disciplined operating approach that leverages local regulatory and deep therapeutic expertise across all major areas including oncology, cardiology, metabolic disease, endocrinology, central nervous system and anti-viral and anti-infective. Headquartered in Cincinnati, Ohio, Medpace employs approximately 2,500 people across 35 countries.

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