Thermo Fisher SCIENTIFIC

Cardiovascular

An experienced cardiovascular partner

Bringing cardiovascular drugs to the marketplace comes with a unique set of challenges. We have extensive global experience in planning, implementing, accelerating and delivering Phase I-IV cardiovascular clinical trials across a broad range of drug classes to help you overcome these challenges.

Our database contains 4,000 sites that have conducted cardiovascular studies with a global footprint in the last 5 years

109 cardiovascular studies

20,600+ patients

4,000+ global sites activated across 72 countries

6 cardiovascular outcomes and MACE studies

Partner with us and benefit from our:

- **Depth of experience** across all stages of cardiovascular drug development
- Around the globe, we have access to over **2,600 clinical monitors** with >1 year of cardiovascular clinical trial experience
- Identification of potential patients through our global network of **141 dedicated research sites**
- Decentralized and digital trial solutions that **accelerate recruitment and shorten timelines**
- Recruiting patients with cardiovascular disease, risk factors and comorbidities through our **100-million-household database** of opted-in and fully identified patients
- **Customized digital solutions** built to collect robust data and ease site and patient burden
- Comprehensive, **global central lab** services
- PPD supports clients with seamless, cross-collaborative operational, medical and scientific expertise, including the **acute critical care setting**
- **Established adjudication team** to support endpoint validation
- **Integrated 'end to end' solutions** that allow you to accelerate getting cutting edge therapies to patients faster

Cardiovascular clinical research experience

Our global experience:

- Spans early-phase studies through post-approval studies and includes a broad range of indications including **hypertension, cardiomyopathy, pulmonary hypertension, rare disease and comorbid metabolic and renal conditions such as chronic kidney disease, T2 diabetes, obesity and hyperlipemia/dyslipidaemia, arrhythmias and heart failure**
- Comprehensive end-point adjudication experience across 25 protocols with cardiovascular endpoints including CV outcome studies in both chronic kidney disease, diabetes and obesity
- Includes single-site dose explorations to multi-national outcomes studies and from traditional to novel endpoints

Comprehensive cardiovascular imaging capabilities

Cardiac catheterization • Computed tomography (CT) scan • Echocardiography • Exercise stress testing • Magnetic resonance angiography (MRA) • Magnetic resonance imaging (MRI) • Multigated acquisition scan (MUGA) imaging • Positron emission tomography (PET) pharmacologic and stress / rest perfusion, as well as metabolic imaging • Pharmacologic stress testing • Stress echocardiography • Technetium 99m stress/rest imaging • Thallium 201 stress/rest imaging • Transesophageal echocardiography (TEE) • Cardiac MRIs • CPET (exercise stress testing)

ppd

Easing enrollment and increasing retention with patient-centric services

We recognize how challenging managing clinical trial burdens can be for patients and their caregivers. We provide concierge services to make it easier for patients to participate in trials by offering:

- Telemedicine, Mobile Units and Home Healthcare Services
- Digital and Decentralized Protocols
- ServicesTransportation Coordination and Verification
- eCOA/ePRO
- Flexible Reimbursement Options
- Mobile Holter/ECG wearables and sensors

These services help to **increase patient access to clinical trials** in addition to producing **timely and high-quality data** for our clients while **saving patients time and cost**.

Our patient-centric approach has led to over 90% patient retention over five years for a recent long-term follow-up trial. To simplify recruitment, PPD offers accelerated enrollment solutions (AES) that give access to a **robust and ever-expanding patient database** including patients with rare conditions

Leveraging technological insights for proactive study design

Our clinical trial simulator can help you identify potential gaps in your program ahead of time. We help you use its insights to guide the selection of design parameters for clinical trials

Regulatory strategies to support successful filings

Our global regulatory experts have expertise in early and frequent collaboration with regulators to ensure successful submissions for cardiovascular indications. We can support you with protocols for:

- Early planning Real World Evidence (RWE) generation
- Natural history, registry and endpoint development and analysis

Scan to Learn More

Learn more at **ppd.com/therapeutic-expertise/cardiovascular/**