

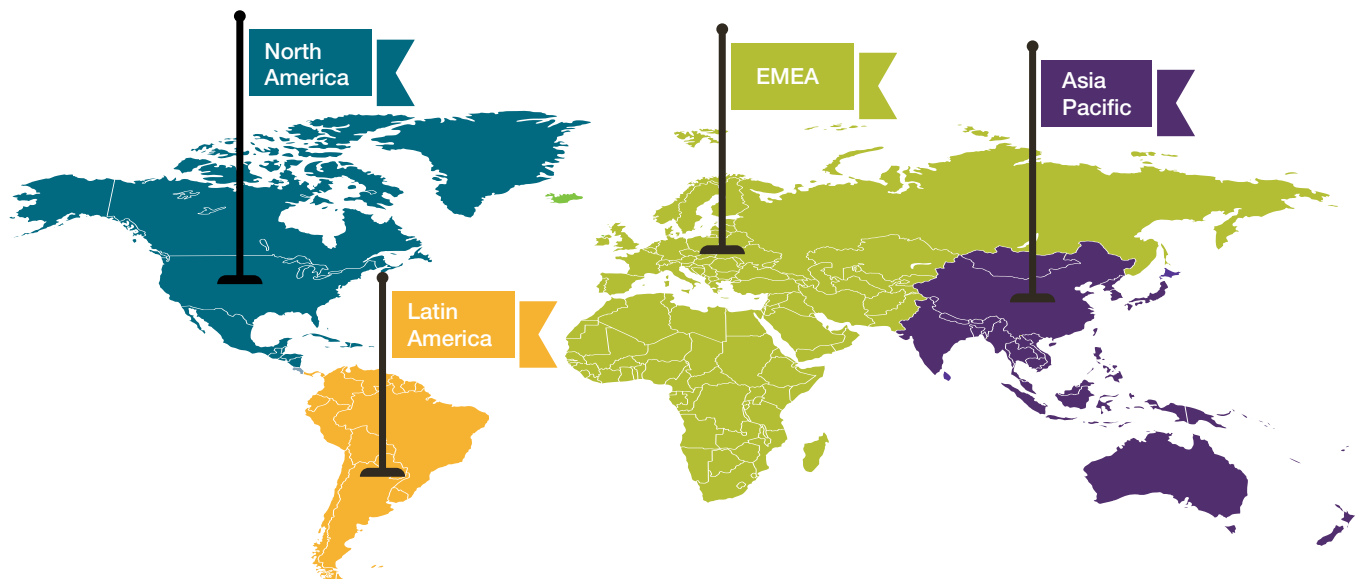
## Nephrology and renal disease

## Nephrology and renal disease study experience and expertise

The PPD™ clinical research business of Thermo Fisher Scientific has deep experience in the design, planning and execution of Phase I-IV full-service global trials across a broad range of nephrology indications.

### Experience nephrology and renal disease team

**Our renal disease team is rich in clinical talent.** Our **in-house nephrologists and medical experts are globally positioned** and have substantial experience in the clinical development landscape to create a meaningful strategy to guide and execute successful trials with the client's goal in mind. Our team of therapeutically aligned **project leaders** will serve as your point of contact and are accountable for overall project delivery and quality. Medical monitoring is provided by board-certified nephrologists and critical care physicians. PPD has dedicated data management and biostatistics professionals with nephrology and renal disease study experience.



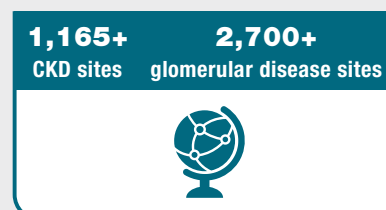
### Sponsors conducting clinical research in renal disease benefit from:

- Our **global investigator network includes internists, nephrologists, key opinion leaders**, dedicated clinical research sites, academic institutions and dialysis centers. These diverse resources enable us to provide robust feasibility and consulting services across a myriad of renal disease indications.
- **Integrated central laboratory** that offers a complete menu of global testing options that delivers real-time integrated data to help clients make better and faster decisions.

## Our comprehensive renal and nephrology experience spans a broad range of indications including:

- Chronic Kidney Disease (CKD) and End-Stage Renal Disease, including dialysis
- Diabetic nephropathy
- Hyperphosphatemia
- Vasculitis (i.e., AAV, SLE)
- Acute kidney injury
- Anemia
- Glomerular Diseases (Glomerulonephritis, IgAN, MN, LN, FSGS, including APOL-1 Mediated Kidney Disease)
- Kidney transplantation
- Polycystic kidney disease
- Alport syndrome
- Rare & Genetic Diseases (e.g. Amyloidosis, Alport and Fabry, Idiopathic Nephrotic Syndrome-pediatric, Hyperoxaluria, Lupus Nephritis)
- Cell & Gene Therapy (overactive bladder, diabetic kidney disease, CAR-T basket study in B-cell mediated autoimmune disease)

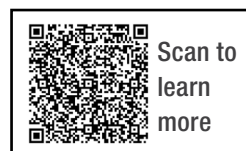
**Our nephrology clinical trial experience in the past five years**



Our team has experience working with rare renal conditions, having conducted 45 studies in rare nephrology indications, including advanced therapies and C&GT over the past five years.

Rarer Renal Indications	Studies
Amaloidosis	9
Fabry disease	5
Primary and secondary hyperoxaluria	9
IgA nephropathy	7
Idiopathic nephrotic syndrome (pediatric)	1
Membranous nephropathy	2
APOL-1 mediated kidney disease (FSGS)	3
Lupus nephritis	8
AAV (ANCA-associated vasculitis)	1

Cell and Gene Therapy (C&GT) Renal Indications	Studies
Overactive bladder (plasmid human cDNA)	1
Diabetic kidney disease (autologous selected renal cells)	3
CD19+ CAR-T in B cell-mediated autoimmune disease (basket protocol)	1



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