



Join our webinar  
“Doubly Labeled Water”



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on the use of doubly labeled water in  
the study of metabolic fluxes.

## Clinical Trials in Obesity and Prediabetes at Profil

Launching an obesity clinical trial with Profil means working with scientists with unrivalled research experience in diabetes, obesity and adiposity. Our metabolic ward facilitates the conduct of comprehensive clinical trials focusing on body adiposity, either

as a primary focus or as a means to improve glycemic control or other significant comorbidities, such as impaired glucose metabolism, dyslipidemia, and arterial hypertension.

### We offer the full range of sophisticated methods for clinical trials in obesity and prediabetes.

- Anthropometric parameters
- Body composition (radiation-free, BOD POD®)
- Body fat distribution (MRI\*)
- Liver fat content (MRI / MRS\*)
- Resting metabolic rate (Indirect calorimetry)
- Nutrient-induced thermogenesis (indirect calorimetry)
- Exercise-induced thermogenesis (spiroergometry)
- Physical fitness (spiroergometry)
- Total energy expenditure (doubly labeled water)
- Energy intake (buffet-style approach)
- Hunger, appetite, fullness and satiety (VAS questionnaires)
- Functional Neuroimaging (fMRI\*)
- Adipose tissue lipolysis (microdialysis technique)
- In vivo skeletal muscle fuel utilization (MRS\*)
- Biomarker profiles in biological samples (blood samples; tissue biopsies)

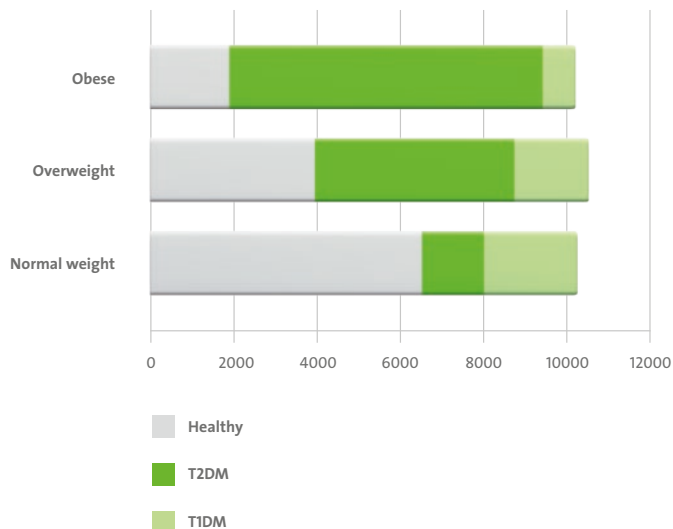
# Recruitment Capabilities

We can recruit for trials quickly and for a whole range of inclusion/exclusion criteria thanks to our extensive subject database and medical practice network contacts.

Profil maintains a large and current database of volunteer study subjects (see numbers of volunteers on the right). Regular updates include parameters such as medical history, complications, or treatment regimes. Furthermore, our subject database includes a large number of obese individuals with and without complications.

For difficult-to-fill subject groups, we run dedicated campaigns to find new volunteers and work together with a number of medical practice networks.

**Contact us to find out how we can recruit for your trial.**



## Publications

A good CRO should focus on building exceptional knowledge to be able to offer its clients a high level of consulting and scientific expertise. Profil takes this very much to heart, and has

numerous peer-reviewed publications on metabolic disorders such as obesity.

### Here is a selection:

- Kapitza C, et al. **Pharmacodynamic characteristics of lixisenatide once daily versus liraglutide once daily in patients with type 2 diabetes insufficiently controlled on metformin.** Diabetes Obes Metab. 2013 Jul;15(7):642-9. doi: 10.1111/dom.12076.
- Muscelli E, et al. **Metabolic consequences of acute and chronic empagliflozin administration in treatment-naive and metformin pretreated patients with type 2 diabetes.** DIABETOLOGIA 59:700-708, 2016
- Flint A, et al. **The once-daily human GLP-1 analogue liraglutide impacts appetite and energy intake in patients with type 2 diabetes after short-term treatment.** DIABETES OBES METAB 15: 958-962, 2013
- Horowitz M, et al. **Effect of the once-daily human GLP-1 analogue liraglutide on appetite, energy intake, energy expenditure and gastric emptying in type 2 diabetes.** DIABETES RES CLIN PRACT. 97(2): 258-266, 2012

Join our webinar  
"NASH"



Scan to learn more about our webinar on nonalcoholic steatohepatitis (NASH).

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