

# PCORnet<sup>®</sup> Resources are Powering Impactful Metabolic Research

*PCORnet<sup>®</sup> is intended to improve the nation's capacity to efficiently conduct patient-centered health research, particularly comparative clinical effectiveness research (CER), by providing a large, highly representative network of health data, research expertise, and patient insights. PCORnet has been developed with funding from the Patient-Centered Outcomes Research Institute<sup>®</sup> (PCORI<sup>®</sup>).*

Researchers are using PCORnet to improve patient outcomes by fueling the kind of large-scale research needed to better understand how different metabolic pathways interact.



Metabolic disruption is the basis of major global health burdens, including **diabetes, obesity, heart failure, and cancer.**

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## METABOLIC HEALTH PCORNET-POWERED STUDIES IN PROGRESS

### Which drug is most safe and effective in patients with type 2 diabetes (and particularly those with diabetic kidney disease, or DKD)?

- **The Study:** Empagliflozin Diabetic Kidney Disease (Empa DKD)
- **Population:** Large sample of adults across 20 sites participating in PCORnet with type 2 diabetes who initiate empagliflozin (Empa) vs. dipeptidyl peptidase 4 inhibitors
- **Using PCORnet, researchers could:**
  - Reach even the smallest subgroup: DKD Empa initiators
  - Capture lab data
  - Track long-term outcomes

### What is the link between COVID-19 and diabetes?

- **The Study:** COVID-19 and Diabetes Assessment Study (CODA)
- **Population:** 1,600 participants with either recent COVID-19 and diabetes diagnoses or a recent diabetes diagnosis and no known COVID-19 infection in the past year
- **Using PCORnet, researchers could:**
  - Capture insights on the healthcare visits of 30 million patients annually
  - View longitudinal health record data
  - Track record of successful recruitment
  - Connect to existing resources for meaningful patient partnership

*“PCORnet resources offer the only networked datasets out there that could support this research.”*

#### Neha Pagidipati

Principal Investigator  
of the Empa DKD study

PCORnet is open to collaboration requests from researchers, patient groups, industry, agencies and others.

**Are you ready to find out how PCORnet can support your next research effort? Contact the **PCORnet<sup>®</sup> Front Door** to start the conversation.**



# METABOLIC HEALTH INSIGHTS FROM STUDIES USING PCORNET RESOURCES

## How do type 2 diabetes outcomes compare across popular bariatric procedures?

- **The Study:** The Bariatric Study
- **Population:** Cohort of 9,710 with type 2 diabetes from 36,871 patients who underwent a primary bypass or sleeve gastrectomy
- **Using PCORnet, researchers could:**
  - Conduct the cohort study across 34 sites participating in PCORnet
  - Extract relevant de-identified data from participating sites

Results published in the March 2020 issue of [JAMA Surgery](#)

*“PCORnet has established partnerships across the nation’s leading health systems that allowed us to conduct bariatric research at the largest scale to date with patient data that is secure and fully de-identified.”*

**Kathleen McTigue**

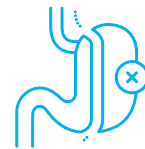
Co-principal Investigator, PCORnet® Bariatric Study

## Which bariatric procedure is most effective for weight loss?

- **The Study:** The Bariatric Study
- **Population:** Retrospective observational cohort study of 65,073 participants:
  - Evaluated weight loss and safety across three interventions:
    - Roux-en-Y gastric bypass
    - Sleeve gastrectomy
    - Adjustable gastric band
- **Using PCORnet, researchers could:**
  - Identify bariatric procedures from >100 million patient records in 41 health systems

Weight loss results published in the [Annals of Internal Medicine](#)

Safety results published in [JAMA Surgery](#)



## WHY OTHER STUDY TEAMS AND PATIENT PARTNERS CHOOSE TO WORK WITH PCORNET

*“I see PCORnet as key to supporting discoveries from the bench to bedside. We’re excited about the future, and we think that PCORnet is a very important tool.”*

**Mariell Jessup**

Chief Science and Medical Officer  
at the American Heart Association

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*“I am thrilled to be a part of this important research, which will bring more clarity to the relationship between bariatric surgery and cancer—a question that is certainly of great interest to bariatric surgery recipients like me.”*

**Neely Williams**

Bariatric surgery patient and member  
of the PCORnet® Steering Committee

[Read more](#)

PCORnet® is a national resource, funded by PCORI, where high quality health data, patient partnership, and research expertise deliver fast, trustworthy answers that advance health outcomes. The Network supports both observational and interventional research.



**pcornet**®

The National Patient-Centered  
Clinical Research Network

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