

Help us take the first step to discovering the next medical breakthrough.

Together, your organization and **Medco Research Institute**® could change the course of medicine.



Your participation today could influence how medicine is practiced tomorrow.

Since its inception, **Medco Research Institute**[®] has been at the forefront of pursuing new solutions for patients suffering from a variety of specific chronic illnesses. While each finding is unique, they all share one critical attribute—they couldn't have happened without help from organizations like yours.

When your organization enrolls in a research program with Medco Research Institute, you take the first step in providing us with our most essential resource: access to study-eligible members. Their participation in clinical research may result in breakthrough findings that can improve health outcomes for patients and lower healthcare costs for you.

To learn more about working together to make new discoveries:

Contact your Medco account representative

E-mail us at mrc@medco.com

Call Medco Research Institute client relations at **1 301 771-2629**

With your help, the breakthroughs they're hoping for may happen sooner.



Needs to know which antiplatelet treatment is right for him.

Seeks a more effective way to manage her Crohn's disease.

Our research often has an immediate impact on how patients are treated.

It can take up to 17 years for evidence-based findings to enter mainstream practice. But discoveries from Medco Research Institute can have a significantly faster effect in the real world. Here are just three examples of how recent research conducted with Medco clients and members by Medco Research Institute is already helping medical professionals provide better and more cost-efficient care.

Key findings:

1

Genotype testing reduces hospitalization rates for the most popular blood thinner.

Warfarin, the most commonly prescribed blood thinner, has been used for more than 50 years to prevent and treat blood clots. For new patients, determining a safe and effective dose can be difficult—the dose needed to prevent clotting is very close to that which can cause serious bleeding. Complicating the issue further is that, in addition to other factors, a patient's genetic profile plays an important role in determining sensitivity to warfarin.

In this study by Medco Research Institute and Mayo Clinic, results showed that genetic testing incorporated into warfarin management reduced hospitalizations by 31%.

2

Certain antidepressants can block the effectiveness of a breast cancer drug.

Tamoxifen is one of the oldest and most widely used treatments for reducing the risk of breast cancer recurrence in women with estrogen-dependent tumors. Antidepressants are often prescribed with tamoxifen to treat depression. At issue was the concern that some antidepressants block the activation of tamoxifen chemically, reducing its effectiveness.

The Medco Research Institute and Indiana University School of Medicine study determined that several antidepressants more than double the risk of cancer recurrence in tamoxifen patients. It also revealed that several other antidepressants have a weaker inhibiting effect on tamoxifen and therefore did not pose any increased risk of recurrence.

3

Avoiding heartburn medicine can lower the risk of cardiovascular events in certain patients.

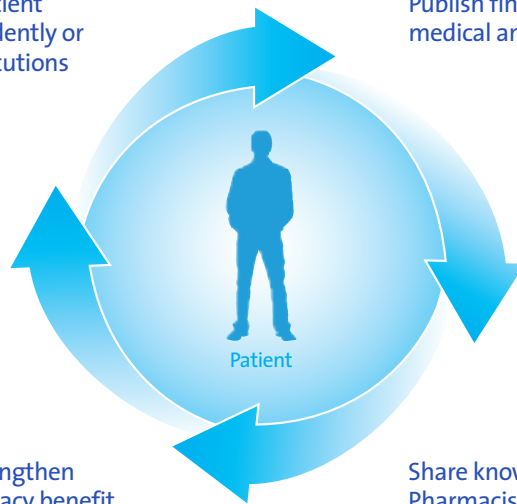
Clopidogrel—a widely prescribed antiplatelet drug used to prevent heart attack and stroke in patients after stenting—is often prescribed with heartburn drugs (known as PPIs) to reduce the risk of gastrointestinal bleeding (a possible side effect of clopidogrel). PPIs inhibit the enzyme that converts the antiplatelet drug into its active form, thereby decreasing its effectiveness. While it is known that PPIs as a group are associated with this interaction, little was known about whether individual PPIs increased cardiovascular (CV) event risks.

This study by Medco Research Institute and Indiana University School of Medicine showed that taking a PPI and clopidogrel increases the overall risk of major CV event by 51%. Additionally, this drug interaction increases annual hospital costs by almost 40%.

Medco Research Institute is a real-world laboratory created for and informed by Medco clients and members.

Conduct novel patient research independently or with leading institutions

Publish findings in peer-reviewed medical and pharmaceutical journals



Use results to strengthen day-to-day pharmacy benefit management for Medco members and lower overall healthcare costs

Share knowledge with Medco Specialist Pharmacists at **Medco Therapeutic Resource Centers**® who can put protocols into immediate practice to help improve patient care

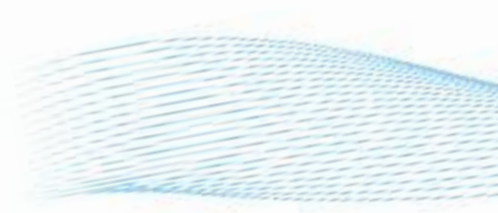
Managing pharmacy needs is just part of what we do. We also regularly collaborate with some of the world's most prestigious research institutions and industry leaders to further the cause of evidence-based, protocol-driven medicine through the study of Medco clients and members.



Advancing Smarter Medicine™

What makes Medco Research Institute unique.

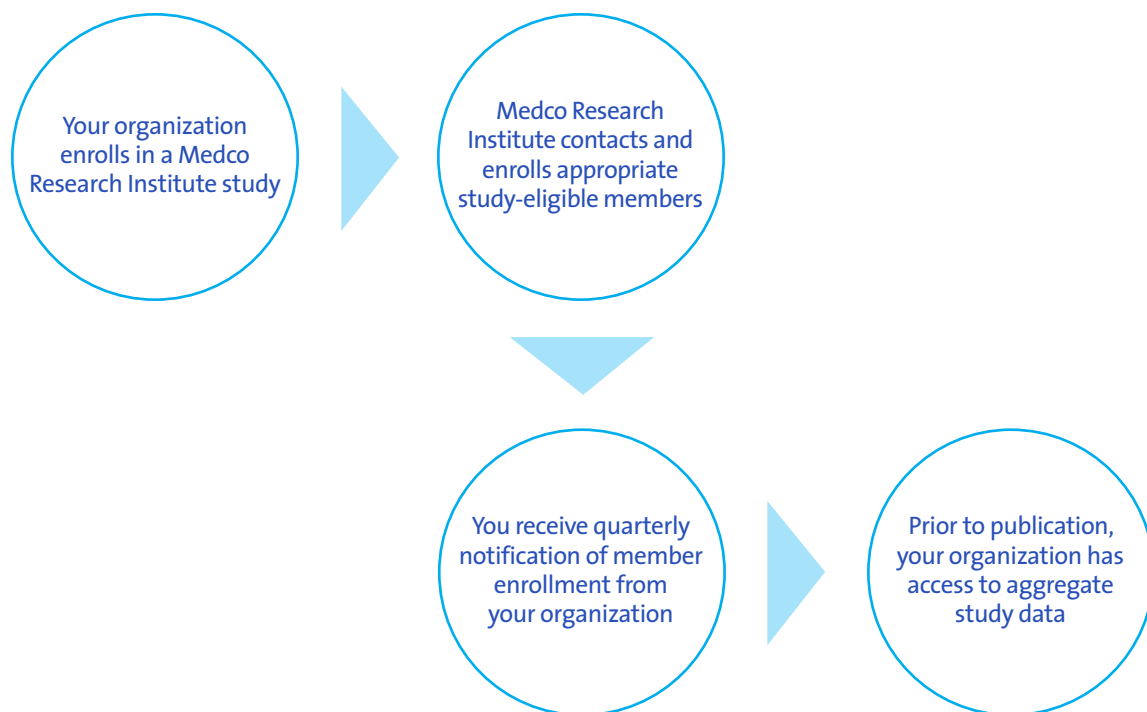
- ▷ Expertise of National Practice Leaders and scientists who are adept at conducting disease-specific research in a pharmacy benefit management environment
- ▷ Novel research findings that challenge and change the standard of care, often immediately
- ▷ Clinical pharmacy expertise that accelerates translation into practice
- ▷ Powered by a real-world data warehouse of more than 65 million members
- ▷ Collaboration with leading academic, government, and industry organizations
- ▷ Innovative research pipeline in key specialty areas
- ▷ CLIA-certified laboratory operations to ensure accuracy and reliability of testing
- ▷ Dedicated clinical call center



Saying “yes” can help drive successful research efforts.

A key element to success in Medco Research Institute initiatives is the ability to give members the opportunity to participate in our research programs. By enrolling in our upcoming initiatives, you allow us to contact members who suffer from specific chronic complex diseases to determine their interest in taking part in important research that could ultimately support better patient health.

Here’s how it works:

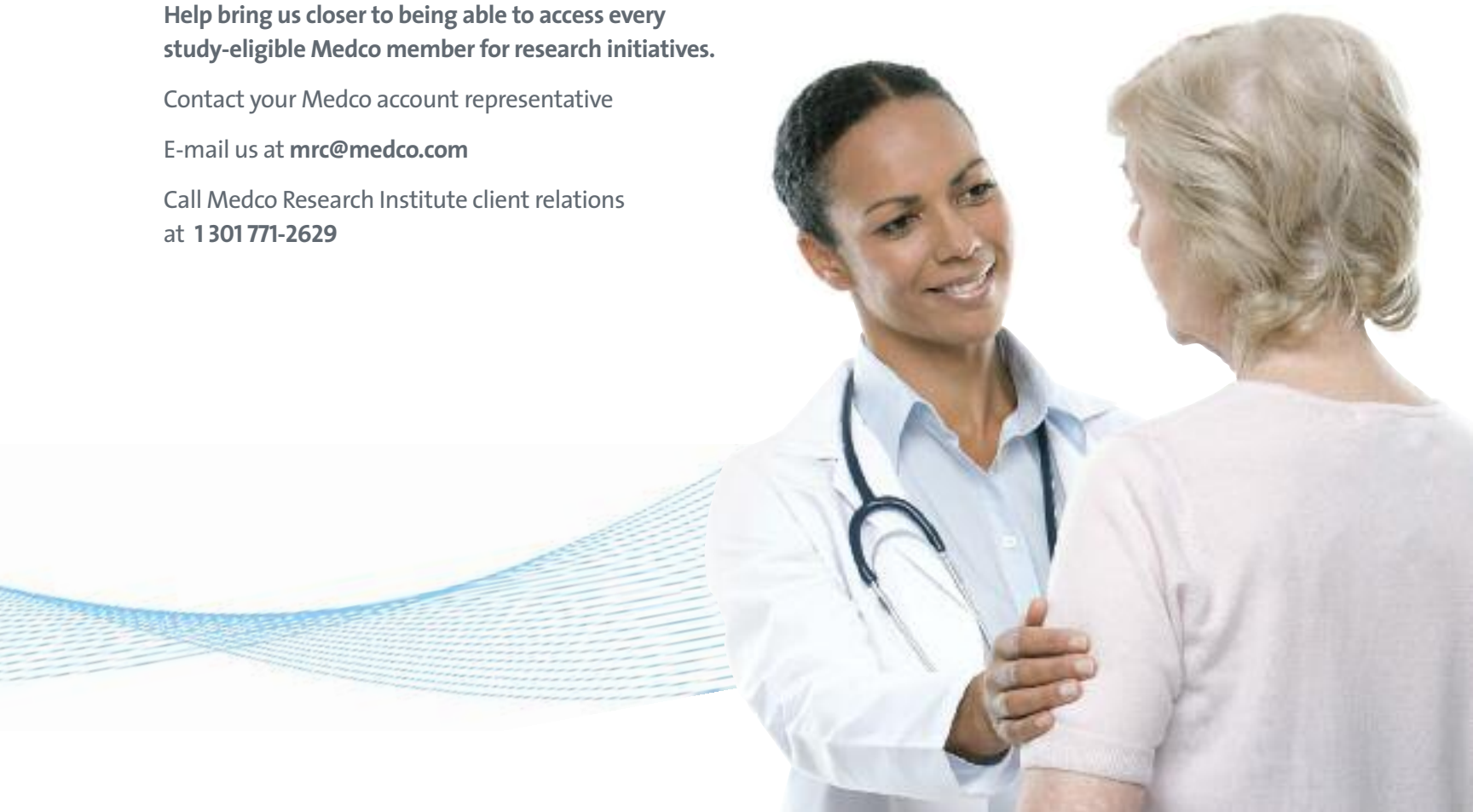


Help bring us closer to being able to access every study-eligible Medco member for research initiatives.

Contact your Medco account representative

E-mail us at mrc@medco.com

Call Medco Research Institute client relations at **1 301 771-2629**



Frequently asked questions about participating in Medco Research Institute projects.

Why should I approve of my members being contacted for a project?

In addition to aiding efforts to making healthcare more precise in real-world settings, your approval gives eligible members a choice to access tests and/or additional information that may assist them or their provider with managing their condition. Members will then have the ability to decide whether or not to participate.

Are projects conducted on drugs that are not yet approved and investigational?

Medco Research Institute projects specifically target drugs that have already been approved by the FDA, are on the market, and are being taken by members.

Are research studies regulated by an outside agency?

Yes, research studies conducted by Medco Research Institute are governed by an Institutional Review Board and are also posted on www.clinicaltrials.gov. Additionally, Medco Research Institute staff receive Good Clinical Practice (GCP) training regularly. GCP is an international ethical and scientific quality standard for designing, conducting, and reporting trials that involve the participation of human subjects. Compliance with this standard ensures that the rights, safety, and well-being of trial subjects are protected and that the clinical trial data are credible.

Is there a cost associated with client or member participation?

There is no cost to clients or members to participate in Medco Research Institute projects.

What is the process for allowing my members to have the option of participating in these efforts?

Medco clients who are interested in granting approval for their members to be contacted will be asked to send their approval in writing to the Medco Research Institute Client Relations team or their Medco Account Executive.

What do members say who have participated in projects?

Members have been very positive about their participation in Medco Research Institute projects and have made statements such as “I’m thankful that someone is thinking of the patient.”

How can I learn more about Medco Research Institute initiatives?

To learn more about how Medco Research Institute projects might positively impact your members and your organization, contact your Medco account representative, e-mail Medco Research Institute client relations at mrc@medco.com, or call 1 301 771-2629.



Join the Medco Research Consortium to gain valuable knowledge for your organization.

You are also invited to participate in the Medco Research Consortium. Membership in this group provides your organization with educational information that can help improve health management decisions and increase cost efficiency in the plans you administer.

These educational benefits for your organization include:

- ▷ Notifications of upcoming clinical opportunities, including post-marketing studies designed to ensure the safety of widely used medications
- ▷ Invitations to participate in the Medco Research Consortium distinguished lecture series and to attend educational seminars
- ▷ Opportunities to view webinars on educational topics hosted by key researchers and scientists from Medco Research Institute

To enroll in Medco Research Institute initiatives and receive Medco Research Consortium benefits:

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For more information, please visit medcoresearchinstitute.com



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