HEALTH CARE TAILORED TO YOU

CENTER FOR INDIVIDUALIZED MEDICINE
> Medicine often looks at everyone the same way. Treatments are aimed at the masses, not tailored to the individual. At Mayo Clinic, we’re using the human genome to determine your unique genetic profile, revealing the many layers of individual health to understand you at a molecular level. With this detail, we can pinpoint problems, personalize treatments, and even prevent diseases before they happen. This science is called Individualized Medicine, and we embed this practice into Mayo’s Model of Care.

Mayo Clinic has practiced this model since its founding, but we advance it every day through the Center for Individualized Medicine. The goal is to provide exactly what you need, when you need it.

Your body holds the key to your health and well-being. Mayo Clinic is taking this key and discovering a personalized method that keeps you well, predicts whether you will avoid or develop a disease, and chooses the best therapy for you.
We are making valiant efforts to achieve our goal, but we need more support so our team in Individualized Medicine can:

- **DEVELOP** tools to diagnose you accurately and treat you more effectively (Clinomics).

- **PROVIDE** you with the right drug at the right time based on your genetic makeup (Pharmacogenomics).

- **UNDERSTAND** how the environment impacts the genes you inherit from your parents and how we can manipulate this impact (Epigenomics).

- **STUDY** how bacteria and other microbes hurt or help you and how we can use them to treat you (Microbiome).

- **ENABLE** faster, earlier, and more precise diagnoses with better outcomes (Biomarker Discovery).

These five programs need a robust infrastructure to house all the individual data that creates a deep and detailed characterization of the human body. Trained physicians and scientists use benefactor support to unlock the mysteries of your genes in ways never thought possible. The result is developing therapies tailored to individual patients.
The physicians and scientists at the Center for Individualized Medicine apply the principles of its 11 programs collectively to shape the future of health care. For example, the team launched a breast cancer clinical trial that will optimize chemotherapy based on the patient’s and the tumor’s individual genome. The trial uses whole genome sequencing techniques to compare healthy cells to malignant cells both before and after treatment. Researchers will then identify genomic indicators for drug response and develop new diagnostic tools for the patient.

Ultimately, your generosity allows Mayo Clinic to expand and extend the advancements made in the Center for Individualized Medicine to patients at Mayo and around the world. Support for this new frontier in medicine gives patients the tailored diagnosis, treatment, and care they need to lead healthy lives.

ABOUT THE CENTER FOR INDIVIDUALIZED MEDICINE

> At the Center for Individualized Medicine, we find answers to diseases based on new ways to use your genome to provide you with an accurate diagnosis and best treatment available.

Unlocking the mysteries of your genome leads to improved health. We achieve this result through a team of experts working to stop diseases before they start, find you the right drug at the right time, and enable faster and better outcomes.

We believe we can best help patients through advancing Individualized Medicine, but we need your support. Your generosity for this new frontier in medicine gives patients the personalized diagnoses, treatment, and care they need.