CARELUMINA

CGX PGX HANDBOOK

Cancer and Pharmacogenomics Screening

A nationwide telemedicine clinical practice

WHAT IS CGX?

CANCER GENOMICS

A persons unique genes tell a very important story about the risk of Cancer and other illnesses. Almost everyone has been affected by someone who has been diagnosed or passed away from cancer. Many screening systems do not provided proper clinical information or only test for a small number of gene-markers, which do not provide patients with enough relevant clinical data. Knowing the hereditary risk of an illness is now available thought GCX – Cancer Screening. Ocenture's turn-key clinical genetic EHR program helps determine a persons risk for developing hereditary cancer.

AN ESTIMATED 1,735,350 NEW CANCER CASES DIAGNOSED AND 609,640 CANCER DEATHS IN THE UNITED STATES ALONE. (cancer.org)

If a person has a personal history of cancer or if a persons has no personal history of cancer but has at least one (1st) first degree relative or at least two (2nd) second or (3rd) third degree relative with a history of cancer than they may also qualify for our Cancer Screening.

1st degree relatives with a history of cancer:

- **Parents**
- **Sisters**
- **Brothers**
- **Children**

2nd & 3rd degree relatives with a history of cancer:

- **Grandparents**
- **Uncles**
- **Aunts**
- **Nephews**
- **Nieces**
- **Grandchildren**
- **Great-grandparents**
- **Great-uncles**
- **Great-aunts**
- **Great grandchildren**
- **First cousins**

Carelumina has integrated solutions with top national laboratories providing the latest Next-Generation Sequencing (NGS) technology to analyze patient samples. Patient lab data is seamlessly uploaded into the EHR system and a licensed Board Certified physician provides a completed review of the lab results and provides a Telehealth consultation with each patient to review and discuss the lab results and advise on care if needed.

WHAT IS PGX?

PHARMACOGENOMIC

Pharmacogenomics is the relationship between a patient's unique genetic makeup and their response to certain medications. Researchers estimate that commonly prescribed medications may not work in up to 60 percent of patients and that most healthcare providers simply don't have enough genetic patient data to accurately determine their rate of metabolism for a given medication or what the most effective medication and dosage should be for a patient. In 2016, there were approximately 4.45 billion prescriptions issued throughout the United States. Health care providers continually prescribe medications which leave a significant margin for error. Patients take medications often on a trial-and-error basis resulting in use and doses having to be adjusted based on the patient's response over a period of time.

As people age their medicines change and a persons health can be adversely affected by taking the wrong medication. The more a person knows about medicines and the more health care professionals know about each persons genes, the easier it is to avoid problems with prescribing medicines. PGX testing illustrates how a patient's body may likely metabolize common medications allowing healthcare providers to act on the results with less risk of side effects, including overdosing or ineffectiveness.

Types of PGX Testing:

- **Cardiac Testing**
- **General Testing**
- **Pain Testing**
- **Psychiatric Testing**

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BETTER HEALTH BEGINS WITH YOUR DNA

HOW IT WORKS

CGX and PGX lab's are easy and simple to complete and submit. Ocenture dispatches collection specialist to the home or office to collect all the needed paperwork and lab kits. Lab results are then uploaded to the Ocenture medical records platform for patient and system review. Our platform includes both licensed board certified physicians and trained genetic counselors to assist in understanding your lab results.

What can genetic testing do for me?

Understanding your genetic makeup can help doctors treat and deliver the most effective treatment for future issues that might become a problem. Testing also helps reveal the cause of certain symptoms that might otherwise go undetected and can help confirm current treatment plans and can help identify more effective treatment options. Testing provides peace-of-mind and puts you in control allowing you to treat any problems as easy as possible. Genetic testing provides important insight and answers into unexplained symptoms you might be having. Unexplained systems might have a genetic cause so talking with a genetic counselor is essential to understanding your genetic results.

What does testing cost?

Depending on the type of insurance a patient has the testing cost may be free or reduced to the patient.

- Medicare Part B
- UHC Medicare
- AARP Medicare Complete
- UHC Medicare Solutions
- Care Improvement Plus
- Wellmed
- Cigna Health Springs
- Humana Medicare
- Aetna Medicare
- **Medicaid - Colorado Only**

We currently only accept Medicare Part B and some advantage plans no other insurance or self-pay plans are accepted at this time. Please confirm with our corporate office for acceptance prior to submitting any other insurance program. Currently we can not accept samples from NY or NJ.

Convenient turnkey genetic testing solutions.

COMPLETE FORM
Complete the family history form and a representatives will help decide what test kit is right for you.

EHR / LAB APPROVED
Board Certified physicians review patient's medical history, using our Electronic Health Records platform, to determine medical necessity and testing needs.

PLAN OF CARE
Patient is notified of results and a board certified physician or genetic counselor is provided to discuss plan of care.

COMPLETE KIT
Our representative will collect your kit and mail the kit to the lab fulfillment center for analysis and approval.

RESULTS
Lab results are upload into the Electronic Health Record platform and a review of the DNA results are performed.

UNITED STATES

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