

Patient Information

First name _____ Last name _____
 Gender Male Female Date of birth (mm/dd/yy) _____
 Ancestry Caucasian Eastern European Northern European
 Western European Native American Middle Eastern
 African American Asian Pacific Islander
 Caribbean Central/South American
 Ashkenazi Jewish Hispanic Other: _____

Mailing address _____
 City _____ State _____ Zip code _____
 Home phone _____ Work phone _____
 Email _____ Patient's primary language if not English _____

Sample Information

Medical record # _____ Specimen ID _____ Date sample obtained (mm/dd/yy) _____
 Blood in EDTA (5-6 mL in lavender top tube)
 DNA (>20 ug): Tissue source _____ concentration _____ (ug/ml) total Volume _____ (ul)
 Oral Rinse (At least 30 mL of Scope oral rinse in a 50 mL centrifuge tube)
 Buccal Swab
 Other _____ (Call lab)
 Patient has had a blood transfusion Yes No Date of last transfusion ____/____/____
 (2-4 weeks of wait time is required for some testing) Specimens are not accepted for patients who have had allogeneic bone marrow transplants
 Treatment-Related **RUSH:** _____ (If known, please provide date)
Clinical Diagnosis: _____ **ICD-10 Codes:** _____
Age at Initial Presentation: _____

Ordering Account Information

Acct # _____ Account Name _____
 Reporting Preference*: Care Evolve Fax Email
**If unmarked, we will use the account's default preferences or fax to new clients.*

Physician _____ NPI # _____
 Genetic Counselor _____
 Street address 1 _____
 Street address 2 _____
 City _____ State _____ Zip code _____
 Phone _____ Fax (important) _____
 Email _____ Beeper _____

Send Additional Report Copies To:

Physician or GC/Acct # _____ Fax#/Email/CE # _____
 Physician or GC/Acct # _____ Fax#/Email/CE # _____

Statement of Medical Necessity

This test is medically necessary for the diagnosis or detection of a disease, illness, impairment, symptom, syndrome or disorder. The results will determine my patient's medical management and treatment decisions. The person listed as the Ordering Provider is authorized by law to order the tests(s) requested herein. I confirm that I have provided genetic testing information to the patient and the patient has consented to genetic testing.

Signature of Physician or Other Authorized NPI Provider (required) _____ Date _____

Patient Consent (sign here)

I have read the attached Informed Consent document and I give permission to GeneDx to perform genetic testing as described. I also give permission for my specimen and clinical information to be used in de-identified studies at GeneDx to improve genetic testing and for publication, if appropriate. My name or other personal identifying information will not be used in or linked to the results of any studies and publications. I also give GeneDx permission to inform me or my health care provider in the future about research opportunities, including treatments for the condition in my family.

Check this box if you are a New York state resident, and give permission for GeneDx to retain any remaining sample longer than 60 days after the completion of testing.

Patient/Guardian Signature _____

Date _____

Payment Options

Insurance Bill PATIENT STATUS – ONE MUST BE CHECKED Hospital Inpatient Hospital Outpatient Not a Hospital Patient
 Hospital Patient Date of Discharge: _____ Referral/Prior Authorization # _____
 Please attach copy of Referral/authorization GeneDx Benefit Investigation # _____

Insurance Carrier _____ Policy Name _____ Hold sample for Benefit Investigation (only if OOP cost is >\$100)

Insurance ID # _____ Group # _____ Name of Insured _____ Date of Birth _____ Insurance Address _____ City _____ State _____ Zip _____

Secondary Insurance Carrier Name _____ Insurance ID# _____ Group # _____ Name of Insured _____ Date of Birth _____ Relationship to Insured Child Spouse Self Other _____

Please include a copy of the front and back of the patient's insurance card (include secondary when applicable)

If you would like to expedite an assessment of your possible eligibility for GeneDx's financial assistance program (FAP), please provide the number of your household members _____ and the annual income of your household \$ _____. GeneDx may require additional information from you to complete an application for GeneDx's financial assistance program.

I represent that I am covered by insurance and authorize GeneDx, Inc. to give my designated insurance carrier, health plan, or third party administrator (collectively "Plan") the information on this form and other information provided by my health care provider necessary for reimbursement. I authorize Plan benefits to be payable to GeneDx. I understand that GeneDx will attempt to contact me if my out-of-pocket responsibility will be greater than \$100 per test (for any reason, including co-insurance and deductible, or non-covered services). If GeneDx is unsuccessful in its attempts to contact me, I understand that it will be my responsibility to contact GeneDx to determine my out-of-pocket cost and to pay my out-of-pocket responsibility. I will cooperate fully with GeneDx by providing all necessary documents needed for Plan billing and appeals. I understand that I am responsible for sending GeneDx any and all of the money that I receive directly from my Plan in payment for this test. Reasonable collection and/or attorney's fees, including filing and service fees, shall be assessed if the account is sent to collection but said fees shall not exceed those permitted by state law. I permit a copy of this authorization to be used in place of the original.

Patient Signature (required) _____

Date _____

Institutional Bill

GeneDx Account # _____
 Hospital/Lab Name _____
 Contact Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

Patient Bill

Amount _____

I understand that my credit card will be charged the full amount for the testing.

Please bill my credit card (all major cards accepted)

MasterCard Visa Discover American Express

Name as it appears on card _____

Account Number _____ Expiration date _____ CVC _____

Signature _____

Date _____

For GeneDx Use Only

Account # _____ Account Name _____

First Name _____ Last Name _____ Date of Birth (mm/dd/yy) _____

Patient Clinical Information DETAILED MEDICAL RECORDS MUST BE ATTACHED

No Personal History of Cancer(s)/Tumor(s) or Pancreatitis

Clinical Diagnosis: _____ ICD-10 Codes: _____ Diagnosis Age(s): _____

Breast Cancer(s) Age(s) at Dx: _____ ER ___ PR ___ HER2 ___ triple negative
 Bilateral Two Primaries Invasive Ductal Invasive Lobular
 DCIS LCIS Other: _____

Ovarian Cancer(s) Age(s) at Dx: _____
 Serous Mucinous Endometrioid Clear Cell
 LMP/Borderline Other: _____

Endometrial Cancer(s) Age(s) at Dx: _____
 Serous Mucinous Endometrioid Clear Cell
 Sarcoma Other: _____

Pancreatic Cancer(s) Age(s) at Dx: _____
 Adenocarcinoma IPMN Neuroendocrine Other: _____

Pancreatitis Age(s) at Dx: _____
 Acute Chronic

Prostate Cancer Age at Dx: _____ Gleason Score: _____

Melanoma(s) Age(s) at Dx: _____ Invasive In-Situ

Hematologic Disease Age(s) at Dx: _____ Diagnosis: _____
 Status: Active/Residual Disease Remission

Colorectal Cancer(s) Age(s) at Dx: _____ Pathology: _____
 Location: Right Left Transverse Rectum

Polyp(s) Age of first polyp: _____ Adenomatous - total #: _____
 Other - Pathology: _____ Other - total #: _____

Gastric Cancer(s)/Tumor(s) Age(s) at Dx: _____ Pathology: _____

Endocrine Cancer(s)/Disease Age(s) at Dx: _____
 Thyroid Pathology/Diagnosis: _____
 Pheochromocytoma (PCC) Paranglioma (PGL) Location: _____
 Bilateral

Renal Cancer(s)/Tumor(s) Age(s) at Dx: _____ Bilateral
 Clear Cell Papillary Type (I or II) : _____
 Transitional Cell Other: _____

Brain Cancer(s)/Tumor(s) Age(s) at Dx: _____ Pathology: _____

Other Cancer/Tumor _____ Age at Dx: _____

Comments: _____

Genetic Testing History

Please include copies of all previous genetic test results, tumor test results and detailed medical records.

Patient's Germline

No Personal History of Genetic Testing
 Prior Testing History Gene(s) Tested: _____
 Results: Negative Positive VUS
 Gene(s): _____
 c. _____
 p. _____

Previous Familial Genetic Testing

No Known Family History of Genetic Testing
 Relationship to Proband: _____
 Results: Negative Positive VUS
 Gene(s): _____
 c. _____
 p. _____

Patient's Tumor Testing History

No Known Tumor Testing
 Lynch Screening: Tumor Type: _____
 MSI: Not Done High Stable Low
 IHC: Not Done Present
 Absent IHC of: _____
 MLH1 Methylation: Not Done Methylated - Tumor Only
 Methylated - Tumor and Normal Tissue Unmethylated
 BRAFV600E: Not Done Present Absent
 Other: _____

Other Tumor Testing: Tumor Type: _____
 Test Performed: _____
 Results: _____

Family History of Cancer(s)/Tumor(s) or Relevant History

No Known Family History
 Pedigree Attached Adopted

Please include clinical details, such as bilateral, pathology (including triple negative breast cancer), premenopausal breast cancer, and Gleason score for prostate cancer. For pancreatitis history, please indicate acute or chronic, if available.

| Relationship | Maternal | Paternal | Cancer/Tumor Site or Relevant History | Age at Dx |
|--------------|--------------------------|--------------------------|---------------------------------------|-----------|
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | _____ |
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | _____ |
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | _____ |
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | _____ |

Frequently Used ICD-10 Codes

Please select or write the applicable ICD-10 codes(s). Ordering providers should always select the ICD-10 code(s) that are most appropriate for the test ordered for the patient. Patients of Ashkenazi Jewish descent with only family history require one code from box 2.

ICD-10 codes that do not require an accompanying secondary code:

- C50.411 Malignant neoplasm of upper-outer quadrant of right female breast
- C50.412 Malignant neoplasm of upper-outer quadrant of left female breast
- C50.911 Malignant neoplasm of unspecified site of right female breast
- C50.912 Malignant neoplasm of unspecified site of left female breast
- C54.1 Malignant neoplasm of endometrium

- D05.11 Intraductal carcinoma in situ of right breast
- D05.12 Intraductal carcinoma in situ of left breast
- Z83.71 Family history of colonic polyps
- Z85.038 Personal history of other malignant neoplasm of large intestine
- Z86.010 Personal history of colonic polyps

ICD-10 codes that require a secondary ICD-10 code from Box 3 or Other:

- Z80.0 Family history of malignant neoplasm of digestive organs
- Z80.3 Family history of malignant neoplasm of breast
- Z80.41 Family history of malignant neoplasm of ovary
- Z80.42 Family history of malignant neoplasm of prostate
- Z85.07 Personal history of malignant neoplasm of pancreas
- Z85.3 Personal history of malignant neoplasm of breast
- Z85.43 Personal history of malignant neoplasm of ovary
- Z85.46 Personal history of malignant neoplasm of prostate

ICD-10 codes that require a secondary ICD-10 code from Box 2 or Other:

- C25.0 Malignant neoplasm of head of pancreas
- C25.1 Malignant neoplasm of body of pancreas
- C25.4 Malignant neoplasm of endocrine pancreas
- C25.8 Malignant neoplasm of overlapping site of pancreas
- C25.9 Malignant neoplasm of pancreas, unspecified
- C61 Malignant neoplasm of prostate

Other ICD-10 Codes (please specify): _____

Account # _____ Account Name _____

First Name _____ Last Name _____ Date of Birth (mm/dd/yy) _____

OncoGeneDx - Test Menu

- | | | |
|--|---|---|
| <p>Breast/Gynecologic Cancers</p> <p><input type="checkbox"/> B361 BRCA1/BRCA2 Ashkenazi Founder Panel¹ (Three Targeted Pathogenic Variants) <input type="checkbox"/> Reflex to test code: _____</p> <p><input type="checkbox"/> B362 BRCA1/BRCA2 Sequencing and Deletion/Duplication Analysis <input type="checkbox"/> Reflex to test code: _____</p> <p><input type="checkbox"/> J055 Breast Cancer Management Panel (9 genes)</p> <p><input type="checkbox"/> B273 Breast/Gyn Cancer Panel (23 genes)</p> | <p>Colorectal Cancer</p> <p><input type="checkbox"/> B274 Colorectal Cancer Panel (20 genes)</p> <p><input type="checkbox"/> B522 Lynch/Colorectal High Risk Panel (7 genes)</p> <p>Multiple Cancers</p> <p><input type="checkbox"/> B275 Comprehensive Common Cancer Panel (46 genes)</p> <p><input type="checkbox"/> B751 Common Cancer Management Panel (37 genes)</p> <p><input type="checkbox"/> B363 Rest of Comprehensive Common Cancer Panel (if first test is negative)¹</p> | <p>Tumor Specific Panels</p> <p><input type="checkbox"/> B399 Melanoma Panel (9 genes)</p> <p><input type="checkbox"/> B343 Pancreatic Cancer Panel (15 genes)</p> <p><input type="checkbox"/> J318 Pediatric Tumor Panel (27 genes)¹</p> <p><input type="checkbox"/> B395 PGL/PCC Panel (12 genes)</p> <p><input type="checkbox"/> J665 Hereditary Prostate Cancer Panel (12 genes)</p> <p><input type="checkbox"/> B394 Renal Cancer Panel (18 genes)</p> <p>Specialty Panel</p> <p><input type="checkbox"/> J899 Hereditary Pancreatitis Panel (5 genes)¹</p> |
|--|---|---|

¹Rest of Comprehensive Common Cancer Panel is not available after test codes B361, J318 or J899.

B749 OncoGeneDx Custom Panel

Please select one or more genes to create a custom panel (no minimum). Up to 64 genes are available.

B749 OncoGeneDx Custom Panel - Include all genes from test code(s) _____ in addition to gene(s) selected below.

- | | | | | | | | | | | |
|--------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|----------------------------------|--------------------------------------|---------------------------------|----------------------------------|-------------------------------|
| <input type="checkbox"/> ALK | <input type="checkbox"/> BMPRIA | <input type="checkbox"/> CDK4 | <input type="checkbox"/> FH | <input type="checkbox"/> MITF* | <input type="checkbox"/> NF1 | <input type="checkbox"/> POLD1 | <input type="checkbox"/> RAD51C | <input type="checkbox"/> SDHA* | <input type="checkbox"/> SMARCA4 | <input type="checkbox"/> TSC1 |
| <input type="checkbox"/> APC | <input type="checkbox"/> BRCA1 | <input type="checkbox"/> CDKN2A | <input type="checkbox"/> FLCN | <input type="checkbox"/> MLH1 | <input type="checkbox"/> NF2 | <input type="checkbox"/> POLE | <input type="checkbox"/> RAD51D | <input type="checkbox"/> SDHAF2 | <input type="checkbox"/> SMARCB1 | <input type="checkbox"/> TSC2 |
| <input type="checkbox"/> ATM | <input type="checkbox"/> BRCA2 | <input type="checkbox"/> CHEK2 | <input type="checkbox"/> HOXB13 | <input type="checkbox"/> MSH2 | <input type="checkbox"/> NTHL1 | <input type="checkbox"/> POT1 | <input type="checkbox"/> RBL1 | <input type="checkbox"/> SDHB | <input type="checkbox"/> STK11 | <input type="checkbox"/> VHL |
| <input type="checkbox"/> AXIN2 | <input type="checkbox"/> BRIP1 | <input type="checkbox"/> DICER1 | <input type="checkbox"/> MAX | <input type="checkbox"/> MSH6 | <input type="checkbox"/> PALB2 | <input type="checkbox"/> PRKARIA | <input type="checkbox"/> RECQL | <input type="checkbox"/> SDHC | <input type="checkbox"/> SUFU | <input type="checkbox"/> WT1 |
| <input type="checkbox"/> BAP1 | <input type="checkbox"/> CDC73 | <input type="checkbox"/> EPCAM* | <input type="checkbox"/> MEN1 | <input type="checkbox"/> MUTYH | <input type="checkbox"/> PHOX2B* | <input type="checkbox"/> PTCH1 | <input type="checkbox"/> RET* | <input type="checkbox"/> SDHD | <input type="checkbox"/> TMEM127 | |
| <input type="checkbox"/> BARD1 | <input type="checkbox"/> CDH1 | <input type="checkbox"/> FANCC | <input type="checkbox"/> MET | <input type="checkbox"/> NBN | <input type="checkbox"/> PMS2 | <input type="checkbox"/> PTEN | <input type="checkbox"/> SCG5/GREMI* | <input type="checkbox"/> SMAD4 | <input type="checkbox"/> TP53 | |

If OncoGeneDx Custom Panel is negative, reflex to test code: _____

Other Hereditary Cancers Test Menu

- | | |
|--|---|
| <input type="checkbox"/> 714 Birt-Hogg-Dube syndrome (FLCN) (Seq & Del/Dup) | <input type="checkbox"/> 718 Li-Fraumeni syndrome (TP53) (Seq & Del/Dup) |
| <input type="checkbox"/> 372 Bloom syndrome (BLM) (Seq) | <input type="checkbox"/> 719 Multiple endocrine neoplasia, type 1 (MEN1) (Seq & Del/Dup) |
| <input type="checkbox"/> 715 Carney complex (PRKARIA) (Seq & Del/Dup) | <input type="checkbox"/> 1771 Multiple endocrine neoplasia, types 2A and 2B (RET) (Seq) |
| <input type="checkbox"/> 205 Gorlin syndrome (PTCH1) (Seq & Del/Dup) | <input type="checkbox"/> 195 PTEN hamartoma tumor syndrome (PTEN) (Seq & Del/Dup) |
| <input type="checkbox"/> 713 Hereditary leiomyomatosis and renal cell cancer (FH) (Seq & Del/Dup) | <input type="checkbox"/> 2071 Peutz-Jeghers syndrome (STK11) (Seq & Del/Dup) |
| <input type="checkbox"/> 721 Hyperparathyroidism-jaw tumor syndrome (CDC73) (Seq & Del/Dup) | <input type="checkbox"/> 332 Von Hippel-Lindau syndrome (VHL) (Seq & Del/Dup) |
| <input type="checkbox"/> 717 Juvenile polyposis syndrome (BMPRIA, SMAD4) (Seq & Del/Dup) | <input type="checkbox"/> Other Test (include test code and name): _____ |

Targeted Variant Testing

- B370 Testing for a previously identified variant**
- Gene: _____ Variant: _____
- Proband Name: _____ Relationship to proband: _____
- Proband GeneDx Accession #: _____
- Positive control included/will be sent - **Positive control is recommended if previous test was performed at another lab.**
- Positive control not available. Please initial to acknowledge acceptance of caveat language on a negative report _____
- Family Member Test Report included - A clear copy of the test report on the positive family member is recommended if previous test was performed at another lab.

Variant Testing Program (requires lab approval)

- B753 Previously identified variant of uncertain significance**
- Gene(s): _____
- Variant(s): _____
- Proband Name: _____
- Relationship to proband: _____
- Proband GeneDx Accession #: _____

OncoGeneDx Panel Components

| | | |
|-------------|---|--|
| J055 | Breast Cancer Management Panel (9 genes) | ATM, BRCA1, BRCA2, CDH1, CHEK2, NBN, PALB2, PTEN, TP53 |
| B273 | Breast/Gyn Cancer Panel (23 genes) | ATM, BARD1, BRCA1, BRCA2, BRIP1, CDH1, CHEK2, EPCAM*, FANCC, MLH1, MSH2, MSH6, MUTYH, NBN, NF1, PALB2, PMS2, POLD1, PTEN, RAD51C, RAD51D, RECQL, TP53 |
| B522 | Lynch/Colorectal High Risk Panel (7 genes) | APC, EPCAM*, MLH1, MSH2, MSH6, MUTYH, PMS2 |
| B274 | Colorectal Cancer Panel (20 genes) | APC, ATM, AXIN2, BMPRIA, CDH1, CHEK2, EPCAM*, MLH1, MSH2, MSH6, MUTYH, NTHL1, PMS2, POLD1, POLE, PTEN, SCG5/GREMI*, SMAD4, STK11, TP53 |
| B751 | Common Cancer Management Panel (37 genes) | APC, ATM, AXIN2, BMPRIA, BRCA1, BRCA2, BRIP1, CDH1, CDKN2A, CHEK2, EPCAM*, FH, FLCN, MLH1, MSH2, MSH6, MUTYH, NBN, NF1, NTHL1, PALB2, PMS2, POLD1, POLE, PTEN, RAD51C, RAD51D, SCG5/GREMI*, SDHB, SDHC, SDHD, SMAD4, STK11, TP53, TSC1, TSC2, VHL |
| B275 | Comprehensive Common Cancer Panel (46 genes) | APC, ATM, AXIN2, BAP1, BARD1, BMPRIA, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN2A, CHEK2, EPCAM*, FANCC, FH, FLCN, HOXB13, MET, MITF*, MLH1, MSH2, MSH6, MUTYH, NBN, NF1, NTHL1, PALB2, PMS2, POLD1, POLE, POT1, PTEN, RAD51C, RAD51D, RECQL, SCG5/GREMI*, SDHB, SDHC, SDHD, SMAD4, STK11, TP53, TSC1, TSC2, VHL |
| B399 | Melanoma Panel (9 genes) | BAP1, BRCA2, CDK4, CDKN2A, MITF*, POT1, PTEN, RBL1, TP53 |
| B343 | Pancreatic Cancer Panel (15 genes) | APC, ATM, BRCA1, BRCA2, CDK4, CDKN2A, EPCAM*, MLH1, MSH2, MSH6, PALB2, PMS2, STK11, TP53, VHL |
| J318 | Pediatric Tumor Panel (27 genes) | ALK, APC, CDC73, DICER1, EPCAM*, MEN1, MLH1, MSH2, MSH6, NF1, NF2, PHOX2B*, PMS2, PRKARIA, PTCH1, PTEN, RBL1, RET*, SMARCA4, SMARCB1, STK11, SUFU, TP53, TSC1, TSC2, VHL, WT1 |
| B395 | PGL/PCC Panel (12 genes) | FH, MAX, MEN1, NF1, RET*, SDHA*, SDHAF2, SDHB, SDHC, SDHD, TMEM127, VHL |
| J665 | Hereditary Prostate Cancer Panel (12 genes) | ATM, BRCA1, BRCA2, CHEK2, EPCAM*, HOXB13, MLH1, MSH2, MSH6, NBN, PMS2, TP53 |
| B394 | Renal Cancer Panel (18 genes) | BAP1, EPCAM*, FH, FLCN, MET, MITF*, MLH1, MSH2, MSH6, PMS2, PTEN, SDHB, SDHC, SDHD, TP53, TSC1, TSC2, VHL |
| J899 | Hereditary Pancreatitis Panel (5 genes) | CASR, CFTR, CTRC, PRSS1*, SPINK1 |

*Testing includes sequencing and deletion/duplication for all genes except EPCAM (del/dup only), MITF (evaluation of c.952G>A only), PHOX2B (seq only), PRSS1 (seq only), RET (seq only), SCG5/GREMI (del/dup only), SDHA (seq only).

Account # _____ Account Name _____

First Name _____

Last Name _____

Date of Birth (mm/dd/yy) _____

I understand that my health care provider has ordered the following genetic testing for {me/my child}: _____.

General Information About Genetic Testing

What is genetic testing?

DNA provides instructions for our body's growth and development. Genes are distinct sequences of DNA, and are arranged on chromosomes. The DNA in a gene contains instructions for making proteins, which determine things like growth and metabolism as well as traits like eye color and blood type. Genetic disorders are caused by harmful changes in DNA or from changes in the structure or number of chromosomes. Genetic testing is a laboratory test that tries to identify these harmful changes in chromosomes or the DNA. Genetic testing can be a diagnostic test, which is used to identify or rule out a specific genetic condition. Genetic screening tests are used to assess the chance for a person to develop or have a child with a genetic condition. Genetic screening tests are not typically diagnostic and results may require additional diagnostic testing.

The purpose of this test is to see if I, or my child, may have a genetic variant or chromosome rearrangement causing a genetic disorder or to determine the chance that I, or my child, will develop or pass on a genetic disorder in the future. 'My child' can also mean my unborn child, for the purposes of this consent.

Additional information about the specific test being ordered is available from my health care provider or I can go to the GeneDx website, www.genedx.com. This information includes the specific types of genetic disorders that can be identified by the genetic test, the likelihood of a positive result, and the limitations of genetic testing.

If {I/my child} already know the specific gene variant(s) or chromosome rearrangement that causes the genetic disorder in my family, I will inform the laboratory of this information.

What could I learn from this genetic test?

The following describes the possible results from the test:

1) Positive: A positive result indicates that a genetic variant has been identified that explains the cause of {my/my child's} genetic disorder or indicates that {I/my child} am at increased risk to develop the disorder in the future. It is possible to test positive for more than one genetic variant.

2) Negative: A negative result indicates that no disease-causing genetic variant was identified for the test performed. It does not guarantee that {I/my child} will be healthy or free from genetic disorders or medical conditions. If {I/my child} test negative for a variant known to cause the genetic disorder in other members of {my/my child's} family, this result rules out a diagnosis of the same genetic disorder in {me/my child} due to this specific change.

3) Inconclusive/Variant of Uncertain Significance (VUS): A finding of a variant of uncertain significance indicates that a genetic change was detected, but it is currently unknown whether that change is associated with a genetic disorder either now or in the future. A variant of uncertain significance is not the same as a positive result and does not clarify whether {I/my child} is at increased risk to develop a genetic disorder. The change could be a normal genetic variant or it could be disease-causing. Further analysis may be recommended, including testing both parents and other family members. Detailed medical records or information from other family members also may be needed to help clarify results.

4) Unexpected results: In rare instances, this test may reveal an important genetic change that is not directly related to the reason for ordering this test. For example, this test may tell me about the risk for another genetic condition {I/my child} is not aware of or it may indicate differences in the number or rearrangement of sex chromosomes. This information may be disclosed to the ordering health care provider if it likely impacts medical care.

Result interpretation is based on currently available information in the medical literature, research and scientific databases. Because the literature, medical and scientific knowledge are constantly changing, new information that becomes available in the future may replace or add to the information GeneDx used to interpret {my/my child's} results. Providers can contact GeneDx at any time to discuss the classification of an identified variant.

For tests that evaluate data from multiple family members, my spouse, or partner concurrently, results may be included in a single comprehensive report.

What are the risks and limitations of this genetic test?

- Genetic testing is an important part of the diagnostic process. However, genetic tests may not always give a definitive answer. In some cases, testing may not identify a genetic variant even though one exists. This may be due to limitations in current medical knowledge or testing technology.
- Accurate interpretation of test results may require knowing the true biological relationships in a family. Failing to accurately state the biological relationships in {my/my child's} family may result in incorrect interpretation of results, incorrect diagnoses, and/or inconclusive test results. In some cases, genetic testing can reveal that the true biological relationships in a family are not as they were reported. This includes non-paternity (the stated father of an individual is not the biological father) and consanguinity (the parents of an individual are related by blood). It may be necessary to report these findings to the health care provider who ordered the test.
- Genetic testing is highly accurate. Rarely, inaccurate results may occur for various reasons. These reasons include, but are not limited to: mislabeled samples, inaccurate reporting of clinical/medical information, rare technical errors, or unusual circumstances such as bone marrow transplantation, or the presence of change(s) in such a small percentage of cells that the change(s) may not be detectable by the test (mosaicism).
- This test does not have the ability to detect all of the long-term medical risks that {I/my child} might experience. The result of this test does not guarantee my health or the health of my child/fetus. Other diagnostic tests may still need to be done, especially when only a genetic screening test has been performed previously.
- Occasionally, an additional sample may be needed if the initial specimen is not adequate.

Patient Confidentiality and Genetic Counseling

It is recommended that I receive genetic counseling before and after having this genetic test. I can find a genetic counselor in my area here: www.nsgc.org. Further testing or additional consultations with a health care provider may be necessary.

To maintain confidentiality, the test results will only be released to the referring health care provider, to the ordering laboratory, to me, to other health care providers involved in {my/my child's} diagnosis and treatment, or to others as entitled by law. The United States Federal Government has enacted several laws that prohibit discrimination based on genetic test results by health insurance companies and employers. In addition, these laws prohibit unauthorized disclosure of this information. For more information, I understand that I can visit www.genome.gov/10002077.

International Specimens

If {I/my child} reside outside the United States, I attest that by providing a sample for testing, I am not knowingly violating any export ban or other legal restriction in the country of {my/my child's} residence.

A. Notifier:

B. Patient Name:

C. Identification Number:

Advance Beneficiary Notice of Noncoverage (ABN)

NOTE: If Medicare doesn't pay for **D.** _____ below, you may have to pay.

Medicare does not pay for everything, even some care that you or your health care provider have good reason to think you need. We expect Medicare may not pay for the **D.** _____ below.

| D. | E. Reason Medicare May Not Pay: | F. Estimated Cost |
|-----------|--|--------------------------|
| | | |

WHAT YOU NEED TO DO NOW:

- Read this notice, so you can make an informed decision about your care.
- Ask us any questions that you may have after you finish reading.
- Choose an option below about whether to receive the **D.** _____ listed above.

Note: If you choose Option 1 or 2, we may help you to use any other insurance that you might have, but Medicare cannot require us to do this.

G. OPTIONS: Check only one box. We cannot choose a box for you.

- OPTION 1.** I want the **D.** _____ listed above. You may ask to be paid now, but I also want Medicare billed for an official decision on payment, which is sent to me on a Medicare Summary Notice (MSN). I understand that if Medicare doesn't pay, I am responsible for payment, but **I can appeal to Medicare** by following the directions on the MSN. If Medicare does pay, you will refund any payments I made to you, less co-pays or deductibles.
- OPTION 2.** I want the **D.** _____ listed above, but do not bill Medicare. You may ask to be paid now as I am responsible for payment. **I cannot appeal if Medicare is not billed.**
- OPTION 3.** I don't want the **D.** _____ listed above. I understand with this choice I am **not** responsible for payment, and **I cannot appeal to see if Medicare would pay.**

H. Additional Information:

This notice gives our opinion, not an official Medicare decision. If you have other questions on this notice or Medicare billing, call **1-800-MEDICARE** (1-800-633-4227/TTY: 1-877-486-2048). Signing below means that you have received and understand this notice. You also receive a copy.

| | |
|----------------------|-----------------|
| I. Signature: | J. Date: |
|----------------------|-----------------|

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