

Improving Care and Decreasing Costs

Advancing precision
medicine through collaborative
laboratory stewardship.



Versiti's multidisciplinary team **reviews 100%** of genetic testing requisitions, resulting in modifications for optimized testing or cost savings in **8.7%** of all cases.

An integral component of Versiti's hematology genetics service is an active laboratory stewardship and utilization guidance program to improve the value of costly genetic testing. Our genetic counselors are always available for clinical consultation, and as part of testing protocol, our multidisciplinary team actively reviews patient clinical history, contacts the provider with clarifying questions as necessary, and works with clinicians to optimize orders as appropriate.

- **110 Genes** selected for hematology diagnosis, available as single-gene sequence analysis or combined into a custom panel.
- **14 Targeted Panels** specifically designed with gene-by-gene selection for clinical validity and utility.
- **\$681.85 Average Savings*** per modified test order as a result of Versiti's laboratory stewardship efforts.
- Approximately **1 in 3** phone calls to the genetic counseling team are requests for guidance in optimal testing strategy.

Case Study: Looking at the Big Picture

A sample from a female patient was received requesting VWD 2N Sequence Analysis. Review of the order and clinical history revealed that other functional studies had previously been performed at Versiti. 2N Binding had been negative, and VWD studies and factor VIII activity had indicated that the patient had low factor VIII levels.

Based on this review, a recommendation was made for the cancellation of 2N sequencing, and a change to an *F8* reflex analysis (inversion analysis and reflex to *F8* sequence analysis), to which the provider agreed. The results showed that the patient had an *F8* inversion, definitively diagnosing the patient as a carrier of severe hemophilia A, and resulting in significant medical and reproductive implications for the patient and her family. In addition, this order modification represented a direct order savings of \$390.00.

*Savings calculated based upon genetic testing executed between 6/20/2017-6/1/2018.

Recommendations for Optimizing your Genetic Testing Results

- 1. Provide clinical and family history with the test requisition.** Providing a complete picture of the patient's history is vital for optimized selection and interpretation of diagnostic testing. With this information, we can ensure that we are executing the most relevant diagnostic test for the patient, and provide patient-specific recommendations based on the genetic findings.
- 2. Provide accurate physician contact information.** Physician contact information is used solely for communication in regards to your patients and test orders. Timely communication in highly specialized genetic testing is invaluable; the more quickly we can resolve questions, the more frequently we can confirm the appropriateness of every test order.
- 3. Contact us with your questions.** True laboratory stewardship occurs when an active partnership exists between ordering clinicians and our laboratory team. Addressing questions and concerns to guide test selection up front efficiently streamlines the process to assist with choosing the most optimal testing for your unique patient.



Stefanie Dugan, MS, CGC has a dual role in genetic counseling and clinical hematology genetics. In addition to promoting clinical utility and stewardship in the laboratory, Stefanie provides clinical genetic counseling to pediatric and adult patients with severe bleeding disorders at the Comprehensive Center for Bleeding Disorders (CCBD) Hemophilia Treatment Center. Stefanie also serves as a member of the ClinGen Platelet Disorders Expert Panel.



Jamie McCreery, MS, CGC is a certified genetic counselor in the hematology genetics laboratory. She serves as a member of the ClinGen Coagulation Factor Deficiency Variant Curation Expert Panel. Prior to her laboratory genetic counseling role at Versiti, Jamie provided clinical genetic counseling services for over 35 years in a wide variety of clinical settings.

Contact us today at (800) 245-3117 ext. 6250.

Visit: www.Versiti.org/HG to learn more.

Versiti's dedicated approach to test review and laboratory stewardship adds value to patient care through numerous services, including:

- Convenient consultation with our genetic counseling team whenever questions arise,
- Review of all test orders to ensure the highest diagnostic yield and cost-effectiveness,
- Fully customizable panel options (up to 10 genes included) for cost-effective evaluation across multiple genes, and more.

In a recent survey, 9 out of 10 clinicians would recommend Versiti Hematology Genetics Panels to a colleague.

[versiti.org](https://www.versiti.org)

