



[Shimmer Research](#) is a world leading wearable technologies services and sensor manufacturing company supplying customized sensor development services, manufacturing, and complete wearable sensor solutions to medical, neuroscientific and clinical research markets.

The V3 framework has become the standard framework for discussing validation of digital endpoints in our company and the industry as a whole.

— **Geoffrey Gill**, President,
Shimmer Americas



The Problem

- » Shimmer wearables provide the raw sensor data that can be used to calculate any endpoint, as well as widely used open-source algorithms to supply standard endpoints. With such flexibility and a wide range of resources available, understanding what validation is required for a specific clinical trial can be challenging.



The Impact

- ✓ Shimmer now has an accepted comprehensive approach for better collaboration with industry partners and customers
- ✓ Many measures have been validated using this framework



The Resources

- » The [V3 framework](#) has become the "go-to" tool to communicate and explain what validation has been done and what may be needed to establish a digital endpoint. Shimmer was able to document the independent verification and extensive analytic and clinical validation work that has been done, using an accepted framework.
- » Our technical team has used it with the Letterkenney Institute of Technology (now Atlantic Technological University) to do independent verification of our Verisense product.
- » Our marketing and sales team use it as a framework for discussing validation with customers.