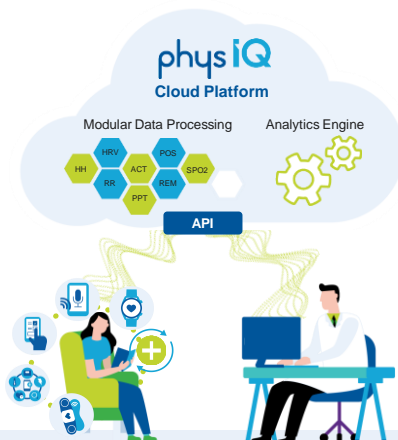**physIQ accelerateIQ**

physIQ is on a mission to accelerate therapy development and significantly increase its commercial value

- **Faster advanced clinical insight delivered** for your clinical teams and commercial organization

- **Accelerated in-house data repositories** driven by Digital Biomarkers metrics and KPI's for data scientist teams

- **Efficient and timely deployments** through data efficacy, safety endpoint, and technical improvements for your clinical development and technical operations teams
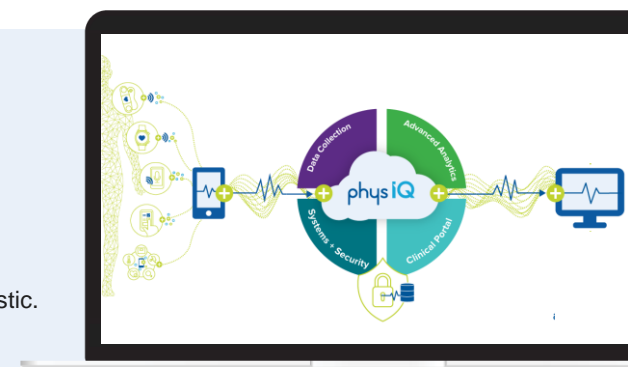
Real-Time Data Collection — Creating Headwinds for Transformation in Pharma

- Wearable technologies now offer an unprecedented ability to collect continuous and in near real-time data streams per patient — every breath, heartbeat, and movement.

- physIQ's accelerateIQ™ enterprise-based platform has the ability to ingest the continuous, complex real-world data streams and to derive advanced clinical outcomes by using the industry's deepest portfolio of FDA-cleared digital biomarkers.

- Pharma can now discover and support novel go-to-market strategies, develop and identify treatment responders, and commercialize Rx titrations by being fast-to-market with new therapies and drugs.

accelerateIQ™ Pharma Solution

- Supports FDA-regulated clinical development and commercial use cases involving wearable technologies and continuous remote patient monitoring data collection devices.

- FDA-audited quality and regulatory management system that is 100% device agnostic.

- Engineered to address the challenges of continuous vital time-series and raw sensor data collection along with patient-reported outcomes, all shown on a personalized patient timeline.

- Collects, processes data, and generates FDA-cleared clinical output in near real-time which enables use cases that benefit from in-the-moment patient insight.

- Includes the industry's largest portfolio of FDA-cleared algorithms and digital biomarkers.

- Built with a modular data pipeline architecture, enabling faster and simpler integration of new algorithms and development digital biomarkers — including your algorithms you may want to deploy on your tenancies.

- Processes all your data from all your tenancies through one common framework to all but eliminate data engineering burden.
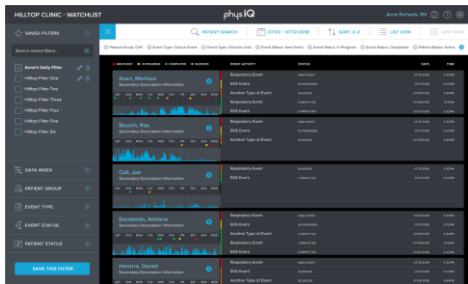
accelerateIQ™ Modularized Components and Data Collection Assets

Industry-leading portfolio of FDA-cleared digital biomarkers:

- Device-agnostic, cloud-based ECG-based and PPG-based vital signs and features
- Advanced actigraphy module
- High-performing sleep algorithm
- Advanced real-world continuous Afib detection and quantification
- Emergent behaviors biomarkers including walking and sleep detection
- Personalized multivariate cardiopulmonary

Digital Bio-Marker Development Stages

	Target Research	Feasibility	Algorithm Development	Clinical Validation	Release in Product	US FDA Clearance
Multivariate Change Index	Change from personalized multivariate physiological baseline					K142512 6/11/2015
Atrial Fibrillation	Continuous A-Fib burden with ambulatory single-lead ECG					K180234 8/10/2018
Heart Rhythm / QRS	Basis for all heart rate analyses					K180234 8/10/2018
Respiration Rate	Ambulatory respiration rate					K183322 7/10/2019
HRRM (3.0)	Improved AI-enabled Heart Rhythm / QRS, A-Fib and Respiration					K193415 6/11/2020

Enterprise-based scalable platform optimized for collecting real-world data:

- Any device, any data stream, and any sampling frequency
- Near real-time processing and improved clinical output
- Modular data pipeline architecture for algorithm deployment
- Advanced clinical rules engine to generate clinical and operational events and notifications
- Database architecture and API that all but eliminates data engineering burden

physIQ's data trove with 2 million+ hours of continuous multivariate data assets:

- Curated data set to support analytical validation of new algorithms
- Accelerates biomarker development
- Reflects a multitude of patient populations, devices, and global data sources

physIQ's Validated Success in Pharma

- accelerateIQ is Johnson and Johnson's exclusive enterprise solution tool for all mobile and remote data collection across all their studies, therapeutic areas, and commercial applications (learn more)
- Supporting multiple Phase 3 global clinical trials, ensuring data quality and integrity (learn more)
- Industry leaders in FDA 510ks, with deep experience in navigating FDA therapeutic and drug approvals (learn more)

- 10-year partnership with U.S. Veteran's Health Administration to advance digital medicine to improve remote patient care (learn more)
- Selected by U.S. National Institutes of Health to lead massive effort to develop a novel COVID-19 digital biomarker (learn more)
- Selected by U.S. Department of Defense to support pandemic readiness across U.S. armed forces (learn more)

Visit physIQ.com or contact info@physIQ.com to learn more.