Analytical Validation Library Snapshot

208 studies reported high-quality analytical validation*

Analytical validation evaluates the performance of algorithms to convert sensor data into digital clinical measures in a way that is fit-for-purpose for clinical decision-making and reliable across the entire population of interest.

Top 5 Health Outcomes
- **35** Gait
- **26** Heart rate/rhythm
- **24** Blood pressure/arterial stiffness
- **24** Sleep staging
- **18** Mobility

Top 5 Therapeutic Areas
- **46%** Healthy/non-specific (96)
- **9%** General/other (19)
- **8%** Cardiovascular (17)
- **8%** Neurology (16)
- **6%** Gastrointestinal (12)

Technology Types
- **78%** Wearable
- **22%** Environmental
- **<1%** Ingestible
- **<1%** Implantable

Top 5 Wear Locations
- **48** Wrist/s
- **39** Chest, torso, trunk
- **24** Finger/s
- **18** Arm/s
- **15** Foot/feet

*Last updated April 15, 2023

Source: [https://datacc.dimesociety.org/analytical-validation-library/](https://datacc.dimesociety.org/analytical-validation-library/)