

Reducing Variability With Independent Experts

Leveraging independent experts for enhanced endpoint reliability

Clinical trials requiring complex ClinRO measures such as CNS studies face the unique challenges of rater variability, inconsistent scale administration and even functional unblinding that can compromise endpoint reliability and jeopardize study outcomes. Signant's Central Rating & Central Review services leverage our global network of 800+ rigorously trained and calibrated expert raters to deliver consistent, independent assessments and real-time quality oversight, reducing variability at its source to optimize your ability to detect meaningful treatment signals.

With flexible deployment of independent expert resources tailored to unique individual study requirements, Signant provides fit-for-purpose solutions that span across the entire range of central expert services:



SIGNANT'S GLOBAL NETWORK OF 800+ CNS EXPERTS

Rigorously vetted, trained, and recalibrated



CENTRAL RATING

Independent
remotely conducted
rating interviews
and assessments



ELIGIBILITY REVIEW

Comprehensive
site-independent
assessment of
diagnosis and
severity to ensure
eligibility of
enrolled patients



CENTRAL REVIEW

Expert quality
review of clinician
rating interviews,
with direct rater
remediation

Augmented with
AI-targeting of rating
assessments for
expert rater review



CENTRAL SCORING

Independent
scoring for site-
administered
assessments



TANDEM RATING

Computerized
assessment
interview and
scoring using a
simulated rater

Signant's Central Expert Services Portfolio



Central Rating

Independent remote assessment minimizing inter-rater variability

Independent experts remotely administer assessments directly to patients through secure audio/video interviews. Leveraging a small, calibrated group of expert raters reduces inter-rater variability through standardized administration and consistent scoring, making it ideal for studies where tightly controlling assessment consistency, and/or eliminating the impact of functional unblinding, is critical for endpoint reliability.



Central Scoring

Combining in-person clinical examination with standardized expert scoring

Central Scoring enables site-based raters to conduct and record assessments requiring hands-on patient interaction, while our expert central raters review these recordings to provide standardized scoring. This approach maintains the benefits of in-person administration while ensuring consistent scoring across a calibrated group of expert raters, reducing bias and variability for optimal signal detection.



Eligibility Review

Ensuring correct study population from day one

Expert reviewers verify diagnosis and disease severity to validate patient eligibility and prevent baseline score inflation, ensuring study populations accurately reflect protocol inclusion criteria. This service is particularly valuable for studies requiring reduced variability in the study population through high diagnostic confidence for optimal signal detection.



Tandem Rating

Cost-efficient quality control with targeted intervention

Tandem Rating pairs site-rater assessments with computer-administered interviews for eligibility verification. Discrepancies between site and computer simulated raters above defined thresholds trigger expert review, providing a cost-efficient approach to enhance signal detection potential through identification of inconsistent rating patterns.



Central Review

Real-time quality monitoring and proactive remediation for highest-quality, consistent scale administration

Expert clinicians evaluate audio/video recordings of site-based assessment interviews, identifying administration errors and scoring inconsistencies. When issues are detected, our experts work directly with sites, providing targeted guidance and remediation to improve endpoint reliability throughout the study lifecycle.

Enhanced with AI-targeted review:

Our AI-powered tool enhances random sampling approaches by providing 100% coverage, and targets problematic ratings for human review so that expert reviewers never miss what counts, delivering comprehensive coverage with targeted central review.

Proven results that drive success

- ① **Reduce inter-rater variability**
Standardized administration and consistent scoring through our calibrated expert network
- ② **Prevent inappropriate patient enrollment**
Expert eligibility verification ensures correct study populations from day one
- ③ **Enable proactive and timely remediation**
Real-time quality oversight with direct intervention to sites and raters
- ④ **Ensure protocol compliance from day one**
Rigorous adherence of protocol requirements and regulatory standards
- ⑤ **Eliminate functional unblinding risk**
Independent remote assessments to maintain blinding
- ⑥ **Enhance endpoint data quality**
Optimized signal detection through reduced variability and improved endpoint reliability

Our solutions are better together

Our Central Expert Services integrate seamlessly with supporting Signant solutions



**Rater Training
and Qualification**



**Electronic
Clinician Ratings
(Rater Station®)**



**PureSignal
Analytics**

WHO IS SIGNANT HEALTH?



Signant Health is the evidence generation company. We are focused on leveraging software, deep therapeutic and scientific knowledge, and operational expertise to consistently capture, aggregate, and reveal quality evidence for clinical studies across traditional, virtual, and hybrid trial models. For more than 25 years, over 600 sponsors and CROs of all sizes – including all Top 20 pharma – have trusted Signant solutions for remote and site-based eCOA, EDC, eConsent, RTSM, supply chain management, and data quality analytics. Learn more at www.signanthealth.com.