Digital Solutions to Measure and Manage Medication Adherence in Clinical Trials

800+ Publications
1 million users
70 countries
30 years

Bernard Vrijens, PhD - Bernard.Vrijens@aardexgroup.com +32 474 545 673
Measure & Manage

GMP
GOOD MANUFACTURING PRACTICE

CMOs

GCP
GOOD CLINICAL PRACTICE

CROs

Pharma

AARDEX Ecosystem (open)

MEMS® Adherence Software

© 2020 AARDEX Group • MEDICATION ADHERENCE MONITORING & MANAGEMENT
Digital Medication Adherence Monitoring

Measure & Manage

Accuracy of the measurement methods:

- Smart package monitoring: 97%
- Drug levels and markers: 70%
- Pill count: 60%
- Rating by health care professionals: 50%
- Self report, ePRO, electronic patient diary: 27%

✓ Accurate & continuous measure
✓ No burden for the patients
✓ Available for all patients included

Up to 20%
Up to 50%

Data-driven adherence feedback is the most effective means to empower patients and improve adherence

Drugs. 2013;73(6):545-62
Medication Non-Adherence Puts Clinical Trials at Risk!

Potential Benefits of Using Decentralized Clinical Trials

Faster trial participant recruitment

Improved trial participant retention

Greater control, convenience, and comfort for participants

Increased participant diversity

50% of patients involved in traditional clinical trials do not adhere to the dosing regimen specified in the protocol

Medication Adherence Monitoring & Management

✓ Proven scientific leadership
  ▪ 819+ peer-reviewed publications
  ▪ 1000+ research studies
  ▪ 70+ validated algorithms
  ▪ Strong network at EMA, FDA, NIH, academic societies and industry

✓ Mature solution for clinical trials
  ▪ 200+ phase II, III, IV trials
  ▪ Active in 70+ countries
  ▪ Compliant with medical regulations, CE labeling, GDPR, ISO 9001
  ▪ Registered Trademarks & Patented Technology
  ▪ The world market leader for 35 years

Bernard Vrijens, PhD
Bernard.Vrijens@aardexgroup.com
+32 474 545 673