



## **ADHERENCE DATA ANALYSIS WORKSHOP 2021**

In our 2020 Data Analysis Workshop, we adopted an **interactive case-study format** which received positive feedback. We therefore propose a similar format in 2021. Our Data Analysis Workshop of this year will consist of **two 2-hour webinars on challenges and solutions of analyzing adherence data**. These webinars will be held 1st Tuesdays of October and November. The Data Analysis Workshop is intended for researchers and students interested in estimating adherence from electronic monitoring and/or healthcare databases. At the same time, the course could also be suitable for newcomers in the field. Attendance to prior ESPACOMP courses is therefore not required. The case study presenters will also receive individual recommendations to help them address the challenges they present.

### **Topics**

The following topics will be addressed:

- Solutions to overcome challenges in analyzing adherence data
- How to use available tools to collect/extract adherence data
- Methods for preparing and analyzing adherence data using R and the AdhereR package
- How to report adherence studies appropriately and to ensure reproducibility

### **Case study discussions**

We have received five case studies from a diverse range of countries, clinical areas, types of adherence data, and methodological challenges. Each case study discussion will be facilitated by several members of the Workshop team who will prepare the case study with the presenter before the workshop. During the webinars, the proposers will describe their case study and the challenges they are currently confronted with. Subsequently, the discussants will provide methodological advice and resources in relation to the challenges presented and will involve the other participants in the discussion.

### **Reserve the dates**

Webinar 1: 5 October 16:00-18:00 CET

Webinar 2: 2 November 16:00-18:00 CET

### **Learning objectives**

Each webinar will focus on specific learning objectives adapted to the case studies proposed, aiming at gaining further knowledge and skills on:

- Use of the ABC, EMERGE, and TEOS guidelines to design studies (see also our website).
- Collect and extract adherence data from electronic monitoring and/or electronic healthcare databases

- Prepare and analyze adherence data from these two data sources using amongst other the R package AdhereR
- Design and report their own study/analysis according to recommended guidelines and best practices.

### **Learning methods**

Video presentations and online materials; interactive discussions on proposed case studies.

Conferencing tool to be confirmed closer to the date.

### **Workshop team**

Dr. Samuel Allemann PhD, RPh, Clinical Pharmacist (University of Basel, Switzerland) and Medication adherence expert (Swiss Pharmacists' Association, Switzerland)

Prof. Dr. Rebecca Bartlett Ellis, PhD, RN, Associate Professor, Assistant Dean for Graduate Programs, School of Nursing (Indiana University, USA)

Dr. Alexandra Dima, PhD, CPsychol, Senior Research Fellow (Université Claude Bernard Lyon 1, France)

Prof. Dr. Marie Schneider, PhD, RPh, Chair of Adherence and Interprofessionality (University of Geneva, Switzerland)

Dr. Isabella Locatelli PhD, Statistician (University of Lausanne, Switzerland)

Prof. Dr. Bernard Vrijens PhD, Invited professor of Biostatistics (Liège University, Belgium) & CEO, Scientific Lead (AARDEX Group, Belgium)

Prof. Dr. Ira Wilson PhD, MD, MSc, FACP, Professor and Chair of Health Services, Policy and Practice, Professor of Medicine (Brown University, USA)

Dr. Hans Wouters PhD, Psychologist, Senior Researcher (General Practitioners Research Institute, The Netherlands)