# Validate study variables to reduce misclassification bias: recent tools and research needs

## HYBRID WORKSHOP

### 27 March 2025  -  14.30-18.30
ARS Toscana - Sala Rita Dioguardi, Villa La Quiete
via Pietro Dazzi 1  - Florence, Italy

## AGENDA

*Timings are indicative, as active discussion is encouraged throughout the workshop for both in-person and online participants.*

**14.30** — **Introduction: towards an agenda to reduce misclassification bias using validation.**
**Rosa Gini**

### Current status

**14.45** — Recommendations and practice in validation studies and their use in studies.  **Vincent Lo Re**

### How do we validate?

**15.00** — An ISPE guideline. **Vera Ehrenstein**

**15.15** — The VAC4EU validation pipeline. **Amirreza Dehghan Tarazjani**

### Advances in validation methodology

**15.30** — Interrelation between validity indices and validation in French administrative data.
**Nicolas Thurin**

**15.45** — Screening algortihms to reduce underestimation and test for differential misclassification.
**Giorgio Limocella**

**16.00** — The SeValid project. **Giulia Hyeraci**

**16.15** — Contribution of Artificial Intelligence to validation. **Marco Lippi**

**16.30** — Ablation of prompts to estimate sensitivity of algorithms in a data source. **Giuseppe Roberto**

**Coffee break**

### Use of validation results in studies

**17.00** — Quantitative bias analysis in practice.  **Anna Schultze**

**17.15** — Validation in BIFAP and application in studies: experience and challenges.  **Elisa Martin Merino**

**17.30** — **Discussion**. *Discussant:*  **Xabier Garcia de Albeniz Martinez**

**18.15** — **Conclusion**.  **Robert Platt, Ersilia Lucenteforte**

ARS TOSCANA
agenzia regionale di sanità

Regione Toscana

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UNIVERSITÀ DEGLI STUDI FIRENZE | Dipartimento di Statistica, Informatica, Applicazioni "Giuseppe Parenti"
Eccellenza 2023-2027

## SCIENTIFIC SECRETARIAT

- **Rosa Gini** - ARS Toscana, Florence, Italy; Vice President, VAC4EU
- **Anna Girardi** -ARS Toscana, Florence, Italy
- **Ersilia Lucenteforte** - University of Florence, Florence, Italy

## SPEAKERS

- **Vera Ehrenstein** - Aarhus University Hospital, Aarhus, Denmark
- **Xabier Garcia de Albeniz Martinez** - RTI Health Solutions, Barcelona, Spain
- **Rosa Gini** - ARS Toscana, Florence, Italy; Vice President, VAC4EU
- **Giulia Hyeraci** - ARS Toscana, Florence, Italy
- **Giorgio Limocella** - University of Florence, Florence, Italy
- **Marco Lippi** - University of Florence, Florence, Italy
- **Vincent Lo Re** - Penn Medicine, University of Pennsylvania Health System, Philadelphia, USA
- **Ersilia Lucenteforte** - University of Florence, Florence, Italy
- **Elisa Martin Merino** - Spanish Agency of Medicines and Medical Devices, Madrid, Spain
- **Robert Platt** - McGill University, Montréal, Canada
- **Giuseppe Roberto** - ARS Toscana, Florence, Italy
- **Anna Schultze** - London School of Hygiene and Tropical Medicine, London, UK
- **Amirreza Dehghan Tarazjani** - University Medical Center, Utrecht, the Netherlands; VAC4EU
- **Nicolas Thurin** - Université de Bordeaux, Bordeaux, France

## Workshop registration:

Workshop attendance is free but registration is required both for in-person and online attendance

**To register, both for in-person and online attendance:**

**ACCESS THE EVENT PAGE** on ARS Toscana website

**YOU CAN ALSO ACCESS THE EVENT PAGE VIA QR-CODE**

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