



Introductory Course on Epidemiology

Programme

May 24-25, 2023

Third Medical Faculty, Charles University,
Prague, Czech Republic

In collaboration with



Coordinators and Faculty

Course Coordinators

Marjolein Bonthuis and Vianda Stel

Local Coordinators

Ivan Rychlík and Vít Borčány

Course Faculty

Vianda Stel - ERA Registry managing director/senior epidemiologist

Kitty Jager - ERA Registry senior epidemiologist

Alberto Ortiz - ERA Registry Chairman

Reinhard Kramar - Former ERA Registry Committee member

Anneke Kramer - ERA Registry senior medical informatician

Rianne Boenink - ERA Registry epidemiologist

Venue

Third Medical Faculty, Charles University,
Ruská 87, 100 00 Prague, Czech Republic

Wednesday, May 24, 2023

8:00 - Registration

- 8:30 Welcome (**I. Rychlik**)
- 8:35 Welcome - Course presentation - Lecture (**K. Jager**)
- 8:45 (L1) Measuring disease occurrence - Lecture (**R. Kramar**)
- 9:15 (H1) Measuring disease occurrence I - Hands-on (**K. Jager**)
- 9:30 (H2) Measuring disease occurrence II - Hands-on (**A. Kramer, R. Boenink**)
- 10:00 (L2) Randomized controlled trials - Lecture (**A. Ortiz**)

10:30 - Coffee break

- 11:00 (L3) Observational study designs - Lecture (**A. Kramer**)
- 11:30 (H3) Study designs - Hands-on (**V. Stel**)

12:00 - Lunch

- 13:30 (L4) Simple analysis of risk and prevalence data - Lecture (**R. Kramar**)
- 14:00 (L5) Bias and confounding in epidemiological studies - Lecture (**K. Jager**)
- 14:30 (H4) Confounding - Hands-on (**K. Jager**)

15:00 - Coffee break

- 15:30 (L6) Ways to address confounding: stratification and regression - Lecture (**K. Jager**)
- 16:15 (H5) Stratification - Hands-on (**A. Kramer, R. Boenink**)
- 16:45 (L7) Prediction and correction for confounding - Lecture (**V. Stel**)
- 17:15 Session end

Thursday, May 25, 2023

8:30 - Start

- 8:30 (H6) Introduction to SPSS and linear regression - Hands-on (**A. Kramer**)
- 9:30 (L8) Survival analysis I – Kaplan Meier - Lecture (**A. Kramer**)
- 10:00 (H7) Survival analysis I – Kaplan Meier - Hands-on (**A. Kramer, R. Boenink**)

10:45 - Coffee break

- 11:15 (L9) Survival analysis II – Cox regression - Lecture (**V. Stel**)
- 11:45 (H8) Survival analysis II – Part 1, survival curves - Hands-on (**A. Kramer, R. Boenink**)

12:30 - Lunch

- 13:45 (H9) Survival analysis II – Part 2, Cox regression - Hands-on (**A. Kramer, R. Boenink**)
- 14:30 Closing remarks (**K. Jager**)
- 14:45 Session end